YAMAHA

DIGITAL KEYBOARD

PSR-A700

Owner's Manual

Thank you for purchasing this Yamaha PSR-A700!
This instrument provides powerful performance features including versatile effects and sounds. We recommend that you read this manual carefully so that you can fully take advantage of the advanced and convenient functions of the instrument. We also recommend that you keep this manual in a safe and handy place for future reference.
Before using the instrument, be sure to read "PRECAUTIONS" on pages 4 – 5.

GENERAL midi2 XG XF STYLE FILE GE

EN

The model number, serial number, power requirements, etc., may be found on or near the name plate, which is at the bottom of the unit. You should note this serial number in the space provided below and retain this manual as a permanent record of your purchase to aid identification in the event of theft.

Model No.

Serial No.

(1003-M06 plate bottom en 01)

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Especially in the case of children, a guardian should provide guidance on how to properly use and handle the product before actual use. Please keep this manual in a safe and handy place for future reference.

⚠ *WARNING*

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire or other hazards. These precautions include, but are not limited to, the following:

Power supply

- Do not place the power cord near heat sources such as heaters or radiators. Also, do not excessively bend or otherwise damage the cord, or place heavy objects on it.
- Do not touch the product or the power plug during an electrical storm.
- Use only the correct voltage specified for the product. The required voltage is printed on the name plate of the product
- Use only the supplied or the specified AC adaptor (page 125)/ power cord.
- Do not use the supplied AC adaptor/power cord for other devices.
- Check the power plug periodically and remove any dirt or dust which may have accumulated on it.
- Insert the power plug firmly all the way into the AC outlet. Using the product when it is not plugged in sufficiently can cause dust to accumulate on the plug, possibly resulting in fire or skin burns.
- When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn off the power switch and disconnect the plug from the outlet. Even when the power switch is turned off, as long as the power cord is not unplugged from the wall AC outlet, the product will not be disconnected from the power source.
- Do not connect the product to an electrical outlet using a multi-plug outlet extender. Doing so can result in lower sound quality, or possibly cause fire at or around the outlet.
- When disconnecting the power plug, always hold the plug itself and not the cord. Pulling by the cord can damage it and cause electric shock or fire.
- If not using the product for long periods of time, be sure to pull the power plug from the AC outlet.

Do not disassemble

- This product contains no user-serviceable parts. Do not attempt to disassemble the internal parts or modify them in any way.

Water warning

- Do not expose the product to rain, use it near water or in damp or wet conditions, or place on it any containers (such as vases, bottles or glasses) containing liquids which might spill into any openings or places where water may drop. A liquid such as water getting into the product may cause fire, electric shock, or malfunctions.
- Use the AC adaptor indoors only. Do not use it in any wet environments.
- Never insert or remove a power plug with wet hands.

Fire warning

- Do not place any burning items or open flames near the product, since they may cause fire.

Wireless unit

- Radio waves from this product may affect electro-medical devices, such as a heart pacemaker implant or defibrillator implant.
  - Do not use the product near medical devices or inside medical facilities. Radio waves from this product may affect electro-medical devices.
  - Do not use the product within 15 cm (6 in.) of persons with a heart pacemaker implant or a defibrillator implant.

Connections

- Be sure to read the manual of the device to be connected, and follow the instructions. Failure to observe this may cause fire, overheating, rupture, or malfunction.

If you notice any abnormality

- If any of the following problems occur, immediately turn off the power switch and disconnect the power plug from the outlet. Finally have the device inspected by Yamaha service personnel.
  - The power cord or plug becomes frayed or damaged.
  - Unusual smells or smoke are emitted.
  - Some object, or water has been dropped into the product.
  - There is a sudden loss of sound during use of the product.
  - Cracks or other visible damage appear on the product.

⚠ CAUTION

Always follow the basic precautions listed below to avoid the possibility of physical injury to you or others, or damage to the product or other property. These precautions include, but are not limited to, the following:

Location

- Do not place the product in an unstable position or a location with excessive vibration, where it might accidentally fall over, resulting in malfunction and even injury.
- Before moving the product, remove all connected cables, to prevent damage to the cables or injury to anyone who might trip over them.

Connections

- Before connecting the product to other devices, turn off the power for all devices. Before turning the power on or off for all devices, set all volume levels to minimum.
- Be sure to set the volumes of all devices at their minimum levels and gradually raise the volume controls while playing the product to set the desired listening level.

Handling

- Do not insert your finger or hand in any gaps on the product.
- Do not insert foreign materials such as metal or paper into any openings or gaps of the product. Failure to observe this may cause fire, electric shock, or malfunctions.
- Do not rest your weight on, or place heavy objects on the product, and do not use excessive force on the buttons, switches or connectors.
- Do not use the product or headphones for a long period of time at a high or uncomfortable volume level, since this can cause permanent hearing loss. If you experience any hearing loss or ringing in the ears, consult a physician.
- Remove the power plug from the AC outlet before cleaning the unit. Failure to observe this may cause electric shock.

Yamaha cannot be held responsible for damage caused by improper use or modifications to the product, or data that is lost or destroyed.

Always turn the power off when the instrument is not in use.

Even when the [⏻] (Standby/On) switch is in standby status (display is off), electricity is still flowing to the instrument at the minimum level.

When you are not using the instrument for a long time, make sure you unplug the power cord from the wall AC outlet.

DMI-12 2/2

NOTICE

To avoid the possibility of malfunction/ damage to the product, damage to data, or damage to other property, follow the notices below.

■ Handling

- Do not connect this product to a public Wi-Fi and/or Internet service directly. Only connect this product to the Internet through a router with strong password protections. Consult your router manufacturer for information on optimum security practices.
- Do not use this product in the vicinity of a TV, radio, stereo equipment, mobile phone, or other electric devices. Otherwise, this product or the other device may generate noise.
- When you use the product along with an app on your smart device, such as a smartphone or tablet, we recommend that you enable "Airplane Mode" on the device to avoid noise caused by communication. When turning on airplane mode, Wi-Fi or Bluetooth® settings may be turned off. Make sure that the setting is turned on before use.
- Do not expose the product to excessive dust or vibrations, or extreme cold or heat (such as in direct sunlight, near a heater, or in a car during the day) to prevent the possibility of disfiguration, damage to the internal components or unstable operation. (Verified operating temperature range: 5° – 40°C, or 41° – 104°F.)
- Do not place vinyl, plastic or rubber objects on the product, since this might discolor the product.

■ Maintenance

- When cleaning the product, use a soft and dry (or slightly damp) cloth. Do not use paint thinners, solvents, alcohol, cleaning fluids, or chemical-impregnated wiping cloths.

■ Saving data

- Edited Song /Style/Voice/MIDI setup data, etc. are lost when you turn off the power to the product. This also occurs when the power is turned off by the Auto Power Off function (page 17). Save the data to the product, or to a USB flash drive/an external device such as a computer (page 28). However, the data saved to the product may be lost due to some failure, an operational mistake, etc. Save your important data onto USB flash drive/an external device such as a computer (page 28). Before using a USB flash drive, make sure to refer to page 107.
- To protect against data loss through USB flash drive damage, we recommend that you save your important data onto spare USB flash drive or an external device such as a computer as backup data.

Information

■ About copyrights

- The copyright of the "content"*1 installed in this product belongs to Yamaha Corporation or its copyright holder. Except as permitted by copyright laws and other relevant laws, such as copying for personal use, it is prohibited to "reproduce or divert"*2 without the permission of the copyright holder. When using the content, consult with a copyright expert.
- If you create music or perform with the contents through the original use of the product, and then record and distribute them, the permission of Yamaha Corporation is not required regardless of whether the distribution method is paid or free of charge.

  *1: The word "content" includes a computer program, audio data, Accompaniment Style data, MIDI data, waveform data, voice recording data, music score, and score data, etc.

  *2: The phrase "reproduce or divert" includes taking out the content itself in this product, or recording and distributing it without changes in a similar manner.

■ About functions/data bundled with the product

- Some of the preset Songs have been edited for length or arrangement, and may not be exactly the same as the original.
- This device is capable of using various types/formats of music data by optimizing them to the proper format music data for use with the device in advance. As a result, this device may not play them back precisely as their producers or composers originally intended.
- The bitmap fonts used in this product have been provided by and are the property of Ricoh Co., Ltd.

■ About this manual

- The illustrations and LCD screens as shown in this manual are for instructional purposes only.
- Windows is a registered trademark of Microsoft(R) Corporation in the United States and other countries.
- Wi-Fi is a registered trademark of Wi-Fi Alliance®.
- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Yamaha Corporation is under license.



- USB Type-C ™ and USB-C ™ are registered trademarks of USB Implementers Forum.
- The company names and product names in this manual are the trademarks or registered trademarks of their respective companies.

■ About disposal

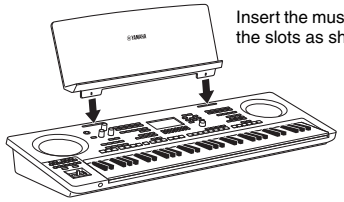
- When disposing of this product, please contact the appropriate local authorities.

Included Accessories

- Owner's Manual (this book)
- Online Member Product Registration
- Music rest
- AC adaptor*, Power cord*

  * May not be included depending on your area. Check with your Yamaha dealer.

Attaching the Music Rest



Insert the music rest into the slots as shown.

About the Manuals

This instrument has the following documents and instructional materials.

Included Document

- **Owner's Manual (this book)**
  Provides overall explanations of the PSR-A700 basic functions.

Online Materials

- **Reference Manual (only in English, French, German,Turkish, Chinese, Arabic and Persian)**
  Explains advanced features of the instrument, not explained in the Owner's Manual. For example, you can learn how to create original Styles, Songs or Multi Pads, or find detailed explanations of specific parameters.
- **Data List**
  Contains various important preset content lists such as Voices, Styles, Effects, as well as MIDI-related information.
- **Computer-related Operations**
  Includes instructions on connecting this instrument to a computer, and operations related to transmitting/receiving MIDI data.
- **Smart Device Connection Manual (only in English, French, German,Turkish, Chinese, Arabic and Persian)**
  Explains how to connect the instrument to smart devices, such as smartphone or tablet, etc.
- **MIDI Basics (only in English, French, German and Spanish)**
  If you want to know more about MIDI and how to use it, refer to this introductory book.

To obtain these materials, access the Yamaha Downloads website.

PSR-A700 related downloads https://manual.yamaha.com/mi/rt/psra700/downloads/

Formats



"GM (General MIDI)" is one of the most common Voice allocation formats. "GM System Level 2" is a standard specification that enhances the original "GM" and improves Song data compatibility. It provides for increased polyphony, greater Voice selection, expanded Voice parameters, and integrated effect processing.



XG is a major enhancement of the GM System Level 1 format, and was developed by Yamaha specifically to provide more Voices and variations, as well as greater expressive control over Voices and effects, and to ensure compatibility of data well into the future.



The Yamaha XF format enhances the SMF (Standard MIDI File) standard with greater functionality and open-ended expandability for the future. This instrument is capable of displaying lyrics when an XF file containing lyric data is played.



"SFF (Style File Format)" is an original Style file format by Yamaha which uses a unique conversion system to provide high-quality automatic accompaniment based on a wide range of chord types. "SFF GE (Guitar Edition)" is an enhanced format of SFF, which features improved note transposition for guitar tracks.

Table of Contents

Included Accessories 7
About the Manuals 7
Formats 8

Welcome to PSR-A700 10

Using the PSR-A700—A Broad Overview 12

Panel Controls and Terminals 14

Setting Up 16

Power Requirements 16
Turning the Power On/Off 16
Adjusting the Master Volume 17
Using the Headphones 18
Changing the Display Language 18
Playing the Demo 19

Basic Operations 20

Main Display Configuration 20
Display-based Controls 22
Calling Up the Desired Display Instantly — Direct Access 25
Messages Shown in the Display 25
File Selection Display Configuration 26
File Management 27
Entering Characters 33
Resetting to the Factory-programmed Settings 34
Data Backup 35

Workflow Guide—For Performing on the PSR-A700 36

1 Voices– Playing the keyboard – 38

Playing Voices 38
Playing Super Articulation Voices 40
Selecting Voices for the Keyboard Parts 41
Using the Metronome 42
Changing the Pitch of the Keyboard 43
Using the joystick 44
Using the LIVE CONTROL Knobs 45
Applying Voice Effects 47
Setting the Touch Response of the Keyboard 50
Adding New Contents — Expansion Packs 51

2 Styles– Playing Rhythm and Accompaniment – 52

Playing a Style with the Auto Accompaniment 52
Operating Style Playback 54
Recording and Playing Back a Chord Sequence — Chord Looper 57
Changing the Chord Fingering Type 59
Turning Each Part of the Style On/Off 60
Calling up Appropriate Panel Settings for the Current Style (One Touch Setting) 61
Adjusting the Volume Balance Among the Parts 62
Setting the Split Point 63
Specifying Chords with Your Right Hand while Playing Bass with Your Left Hand 64
Creating/Editing Styles (Style Creator) 65

3 Songs– Playing, Practicing and Recording Songs – 67

Playback of Songs 67
Displaying Music Notation (Score) 69
Displaying Lyrics/Text 70
Turning Each Channel of the Song On/Off 71
One-handed Practice with the Guide Function 71
Repeat Playback 72
Recording Your Performance 74

4 Selecting and/or Creating a Temperament (Scale Tune) 78

Basic Structure of Scale Tune 78
Selecting or Creating a Temperament from the Preset Types (Main Scale) 79
Creating and Using a Temperament (Sub Scale) 80
Memorizing the Sub Scale Setting 81
Saving the Scale Tune Memory as a Bank File 82
Recalling a Memorized Sub Scale Setting 83

5 USB Audio Player/Recorder – Recording and Playing Audio Files – 84

Playing Back Audio Files 84
Recording Your Performance as Audio 87

6 Microphone– Sing Along with Song Playback or Your Own Performance – 89

Connecting a Microphone 89
Applying DSP Effects to Your Vocals 90
Using the Talk Function 91

7 Multi Pads– Adding Musical Phrases to Your Performance – 92

Playing the Multi Pads 92
Using Chord Match 93
Using the Multi Pad Synchro Start Function 93
Creating a Multi Pad with Audio Files (WAV) (Audio Link Multi Pad) 94

8 Registration Memory/Playlist – Saving and Recalling Custom Panel Setups – 96

Registering Your Panel Setups 97
Saving the Registration Memory as a Bank file 98
Recalling a Registered Panel Setup 99
Using Playlists to Manage a Large Repertoire of Panel Setups 100

9 Mixer– Editing the Volume and Tonal Balance – 104

Basic Procedure 104

10 Connections – Using Your Instrument with Other Devices – 106

Rear Panel 106
Connecting USB Devices (USB [TO DEVICE] terminal) 107
Connecting to a Computer (USB [TO HOST] terminal) 109
Connecting to a Smart Device ([AUX IN] jack, USB [TO HOST] terminal, Wireless LAN) 111
Listening to Audio Playback by an External Device through the Instrument's Speaker ([AUX IN] jack) 112
Connecting an External Stereo System (OUTPUT [L/L+R]/[R] jacks) 115
Connecting a Foot Pedal (FOOT PEDAL jacks) 116

11 Function– Making Global Settings and Using Advanced Features – 117

Basic Procedure 117
Function List 118

Direct Access Chart 119

Troubleshooting 121

Specifications 124

Index 126

Welcome to PSR-A700

Extraordinarily expressive and realistic Voices

page 38

The PSR-A700 has a comprehensive and sonically stunning set of authentic Voices, and gives you the tools to play these Voices more naturally and with greater expressiveness.
Also, you can add new Voices by installing the Expansion Packs to fit your music.



Play along with a backing band

page 52
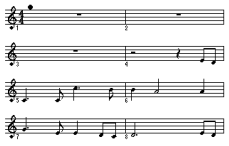
The Styles of the PSR-A700 make it possible to perform in a wide variety of music genres with full instrumental accompaniment. Simply playing chords automatically triggers and controls the auto accompaniment backing, and puts an entire backing band behind you!
You can change arrangements on the fly, instantly selecting different rhythm variations and breaks in real time — including Intro, Ending, and Fill-in — during your performance.
Moreover, with the convenient Chord Looper function, you can record a sequence of the chords, and play it back in a loop to free your left hand.



Sing along with song playback or your own performance

page 89

By connecting a microphone to the [MIC INPUT] jack, the instrument outputs your vocals through the built-in speakers, and you can record your own performance with high sound quality. Moreover, since song lyrics or music scores can be shown on the display, you can also enjoy singing along with your keyboard performance or along with Song playback.





Powerful DSP effects for enhancing the sound

page 47

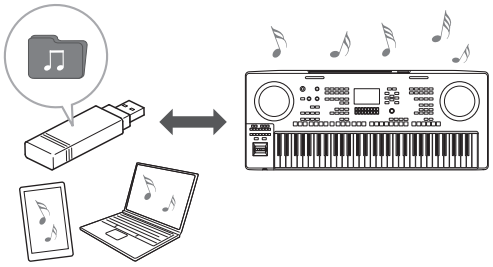
DSP (Digital Signal Processor) features built into the PSR-A700 provide high-quality effect types, including Real Distortion and Real Reverb. You can also apply the DSP effects independently to specified parts, such as guitar, allowing you to play the keyboard dynamically with a distorted guitar sound, or sound like you are playing in a concert hall.



Audio playing and recording

page 84

Audio files (WAV format) saved to a USB flash drive (or a computer or smart device) can be played back on the instrument. You can also record your performance as audio files (WAV format) with high sound quality to these devices — making it easy to edit your recordings on computer as desired, and share them over the Internet, or burn your own original CDs.



Make your performance more dynamic using Multi Pads

page 92

The Multi Pads can be used to play a number of short pre-recorded rhythmic and melodic sequences. Playing the Multi Pads during playback of Styles, etc. can add impact and variety to your performance, and make it more dynamic.

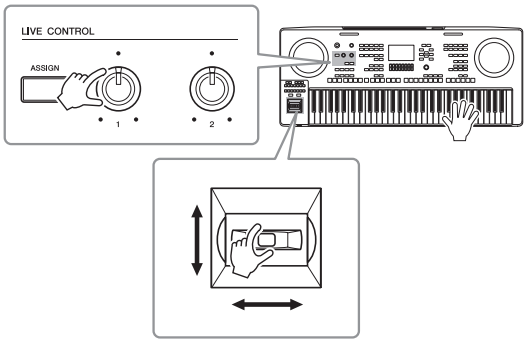


Versatile real-time controllers

page 45

The two LIVE CONTROL knobs can be assigned to various different functions, letting you intuitively control your performance in real-time. For example, you can use the knobs to control the brightness (cutoff frequency) of the sound being played or to correct the tone or timbre of the sound with EQ — letting you easily add variations to the sound without interrupting your performance.

You can also control your performance easily by using the joystick. Moving horizontal direction (Pitch Bend) can bend the notes up or down like bending a guitar string, and moving vertical direction (Modulation) can apply a vibrato effect to notes played on the keyboard.



Bluetooth Connectivity

page 113

With Bluetooth connection, you can listen to the playback sound of a Bluetooth-equipped device, such as a smartphone or portable audio player, through the built-in speaker of this instrument. Also, you can play the keyboard with that sounds.

Explore the Demos to learn more about the PSR-A700's functions and features! page 19

The Demos showcase the high-quality sounds, variety of advanced functions, and provide helpful information for learning about your new keyboard.

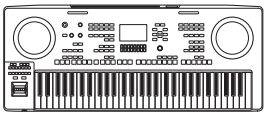
Using the PSR-A700—A Broad Overview

This section provides a helpful overview of the wide range of functions available in this instrument, and places you can find necessary information on those topics. If you need help in understanding a feature, function or operation—or need to have a general understanding of what the instrument can do and how to effectively use it—look through this section.

OM : PSR-A700 Owner's Manual (this book). The relevant chapter names are shown after this symbol. For detailed information on each chapter, see "Table of Contents" (page 9).

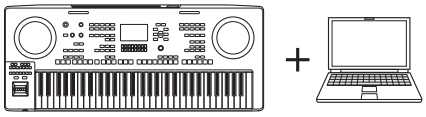
* : This material can be obtained from the Yamaha website (see "PSR-A700 related downloads," page 7).

Using the PSR-A700 by itself



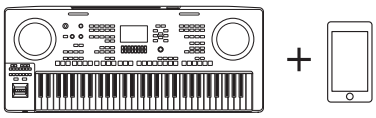
Understanding the basic features and workflow of this instrument	**OM** Welcome to PSR-A700 Panel Controls and Terminals Basic Operations Workflow Guide
Making basic connections and setting	**OM** Setting Up
Setting and playing for a single song • Playing the keyboard with Styles • Singing with Song playback	**OM** Workflow Guide
Storing and calling up your original setups	
Easily managing a large repertoire of Songs	
Recording a performance	**OM** Songs USB Audio Player/Recorder
Using functions in the Menu display (summary)	**OM** Function List
Connecting devices (a microphone or guitar, USB flash drive, etc.)	**OM** Connections
Using applications in the Menu display (detailed)	Reference Manual (*)
Creating your own original contents (Styles, Voices by editing presets, Multi Pads)	

Using the PSR-A700 with a computer



Connecting a computer to the instrument	OM Connections
Playing back MIDI Song files on a computer using the Voices of the instrument	Computer-related Operations (*)
Recording your keyboard performance to a computer	
Obtaining the Expansion Packs made by Yamaha (also called "Premium Packs")	https://manual.yamaha.com/mi/rt/psra700/product/
Managing Expansion Pack data	EXPANSION EXPLORER (*) Owner's Manual
Installing Expansion Pack data to the instrument	Yamaha Expansion Manager (*) Owner's Manual
Creating your own original Expansion Packs	Yamaha Expansion Manager (*) Owner's Manual
Creating your own original contents: Creating new Voices from scratch (using your own recorded waveform files)	
Installing Expansion Pack data to the instrument (additional instructions)	Reference Manual (*)
Transferring files (Songs, Styles, Backup files, etc)	

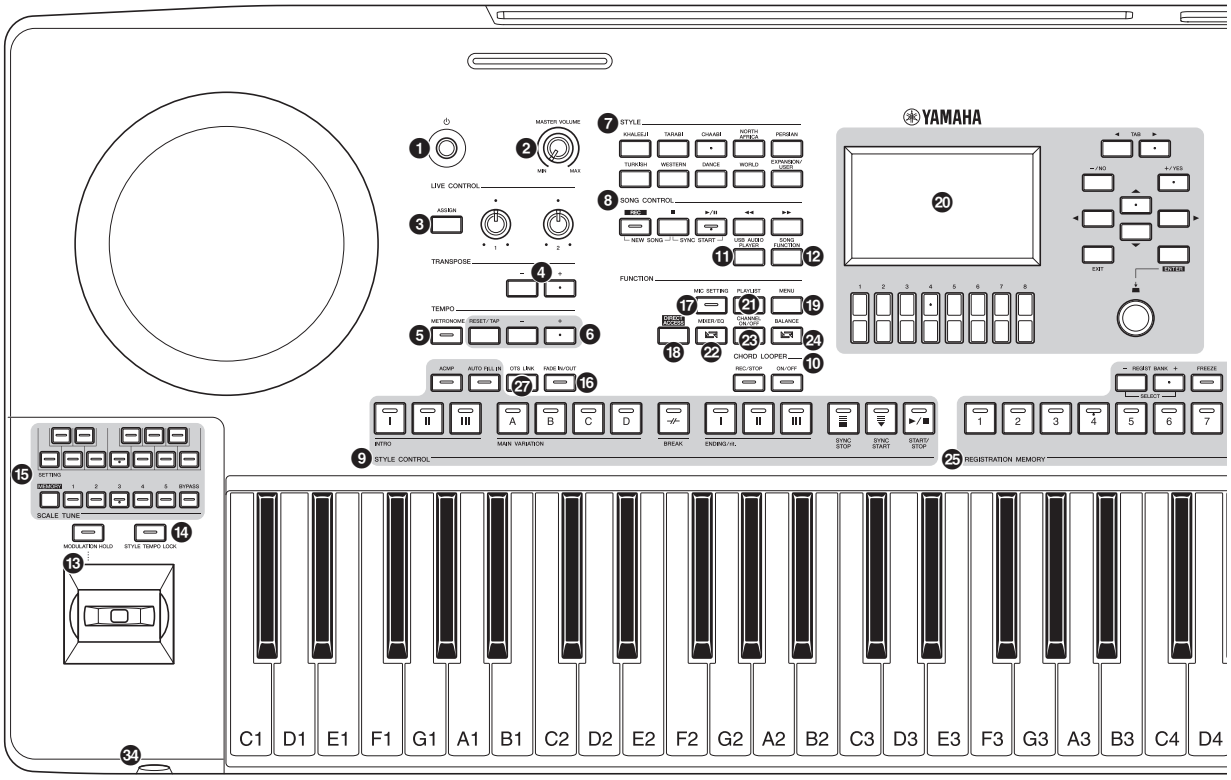
Using the PSR-A700 with other devices



Connecting a smartphone/tablet to the instrument	OM Connections
	Smart Device Connection Manual (*)
Obtaining smart device apps and using them together with the instrument	Refer to explanations of each application page on the website below. https://manual.yamaha.com/mi/rt/psra700/overview/
Connecting an audio device to the instrument with Bluetooth connection	OM Connections

Panel Controls and Terminals

■ Top Panel



❶ **[⏻] (Standby/On) switch** ..... **Page 16**
Turns on the instrument's power or sets to standby.

❷ **[MASTER VOLUME] dial** ..... **Page 17**
Adjusts the overall volume.

❸ **[ASSIGN] button, LIVE CONTROL knobs** ..... **Page 45**
Assigns functions and controls sounds in real time.

❹ **TRANSPOSE [-]/[+] buttons** ..... **Page 43**
Transposes the entire pitch of the instrument in semitone steps.

❺ **[METRONOME] button** ..... **Page 42**
Turns the metronome on or off.

❻ **[RESET/TAP]/TEMPO [-]/[+] buttons** ..... **Page 56**
Controls the tempo for Style, Song and Metronome playback.

❼ **STYLE category selection buttons** ..... **Page 52**
For selecting a Style category.

❽ **SONG CONTROL buttons** ..... **Page 68**
For controlling Song playback.

❾ **STYLE CONTROL buttons** ..... **Page 54**
For controlling Style playback.

❿ **[CHORD LOOPER buttons** ..... **Pages 57**
Controls recording and loop playback of the Chord Looper function.

⓫ **[USB AUDIO PLAYER] button** ..... **Page 84**
Calls up the display for playing back audio files and recording your performance in audio format.

⓬ **[SONG FUNCTION] button** ..... **Pages 26, 67**
Calls up the Song Function Menu display for selecting Songs etc.

⓭ **Joystick, [MODULATION HOLD] button** ..... **Pages 44**
For using pitch bend or modulation functions.

⓮ **[STYLE TEMPO LOCK] button**
Controls lock/reset to lock the Style tempo.

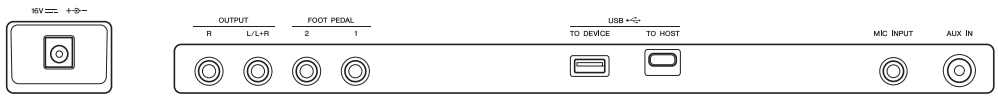
⓯ **SCALE TUNE SETTING, MEMORY, BYPASS buttons** ..... **Page 78**
For controlling and setting up Scale Tune.

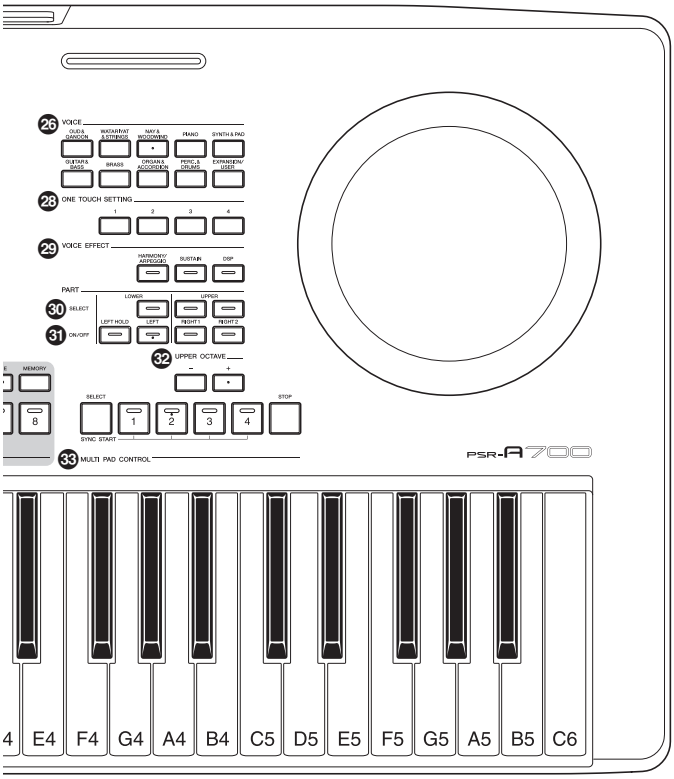
⓰ **[FADE IN/OUT] button** ..... **Page 56**
Controls fade in/out of Style/Song playback.

⓱ **[MIC SETTING] button** ..... **Page 89**
Calls up the display from which you can make settings for the microphone.

■ Rear Panel

For details on the Rear Panel, refer to page 106.





⓲ **[DIRECT ACCESS] button**.....**Page 25**

⓳ **[MENU] button** ..... **Page 117**
Lets you make advanced settings and create your original Styles, Songs and Multi Pads.

⓴ **LCD and related controls**.....**Page 22**

㉑ **[PLAYLIST] button**.....**Page 100**
Lets you create custom performance lists.

㉒ **[MIXER/EQ] button** .....**Page 104**
Calls up various settings for the keyboard, Style and Song parts.

㉓ **[CHANNEL ON/OFF] button**.....**Pages 60, 71**
Calls up settings for turning Style/Song channels on or off.

㉔ **[BALANCE] button** .....**Page 62**
Calls up settings for the volume balance among the parts.

㉕ **REGISTRATION MEMORY buttons**.....**Page 96**
For registering and recalling panel setups.

㉖ **VOICE category selection buttons**.....**Page 38**
For selecting a Voice category.

㉗ **[OTS LINK] button** .....**Page 61**
Turns on/off the OTS Link function.

㉘ **ONE TOUCH SETTING buttons**..... **Page 61**
Calls up the appropriate panel settings for the Style.

㉙ **VOICE EFFECT buttons**..... **Page 47**
For applying various effects to the keyboard performance.

㉚ **PART SELECT buttons** ..... **Page 41**
For selecting a keyboard part.

㉛ **PART ON/OFF buttons**..... **Page 41**
For turning the keyboard part on or off.

㉜ **UPPER OCTAVE [-]/[+] buttons**..... **Page 43**
For applying the pitch of the keyboard in octave steps.

㉝ **MULTI PAD CONTROL buttons** ..... **Page 92**
For selecting and playing rhythmic or melodic Multi Pad phrases.

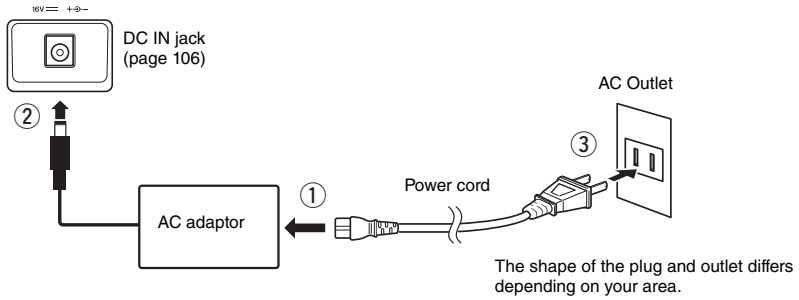
㉞ **[PHONES] jack** ..... **Page 18**
For connecting headphones.

Panel Setup (Panel Settings)
By using the controls on the panel, you can make various settings as described here. These settings of the instrument are together referred to as "panel setup" or "panel settings" in this manual.

Setting Up

Power Requirements

Connect the AC adaptor in the order shown in the illustration.



⚠ WARNING

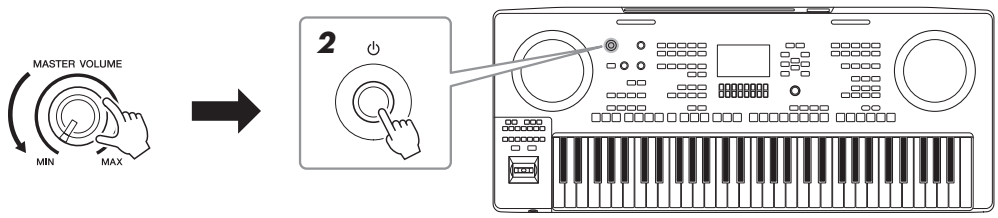
- **Use the specified AC adaptor (page 125) only. Using the wrong AC adaptor can result in damage to the instrument or overheating.**
- **When setting up the product, make sure that the AC outlet you are using is easily accessible. If some trouble or malfunction occurs, immediately turn the power off and disconnect the plug from the outlet.**

NOTE

Follow this procedure in reverse order when disconnecting the AC adaptor.

Turning the Power On/Off

1 Turn down the [MASTER VOLUME] dial to "MIN."



2 Press the [⏻] (Standby/On) switch to turn on the power.

After the Main display appears, adjust the volume as desired while playing the keyboard.

3 After you finish using the instrument, turn off the power by pressing the [⏻] (Standby/On) switch for about a second.

⚠ WARNING

Even when the power switch is turned off, electricity is still flowing to the product at the minimum level. When you are not using the product for a long time, make sure to unplug the power cord from the wall AC outlet.

NOTICE

Do not press the foot pedal or move the joystick, etc. when turning the power on. Doing so may cause the instrument to malfunction.

NOTE

Until the Main display appears, no operations can be carried out, including power-off and keyboard performance.

NOTICE

While recording or editing, or while a message is displayed, the power cannot be turned off even if you press the [⏻] (Standby/On) switch. If you want to turn off the power, press the [⏻] (Standby/On) switch after recording, editing, or after the message has disappeared. If you need to force-quit the instrument, hold down the [⏻] (Standby/On) switch for longer than three seconds. Note that the force-quit operation might cause data loss and damage to the instrument.

Setting the Auto Power Off function

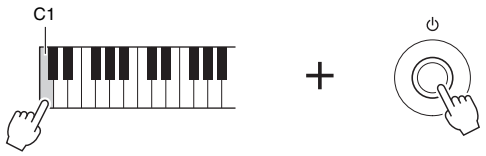
To prevent unnecessary power consumption, this instrument features an Auto Power Off function that automatically turns the power off if the instrument is not operated for a specified period of time. The amount of time that elapses before the power is automatically turned off is approximately 15 minutes by default; however, you can change the setting at the Common tab of the System page. For details, refer to page 118.

NOTICE

The data which is not saved to the User or USB drive will be lost if the power automatically turns off. Make sure to save your data before the power turns off (page 28).

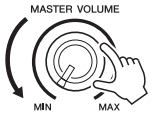
Disabling Auto Power Off (simple method)

Turn the power on while holding down the lowest key on the keyboard. A message appears briefly, and then the instrument starts up with the Auto Power Off function disabled.



Adjusting the Master Volume

To adjust the volume of the entire keyboard sound, use the [MASTER VOLUME] dial while playing the keyboard.

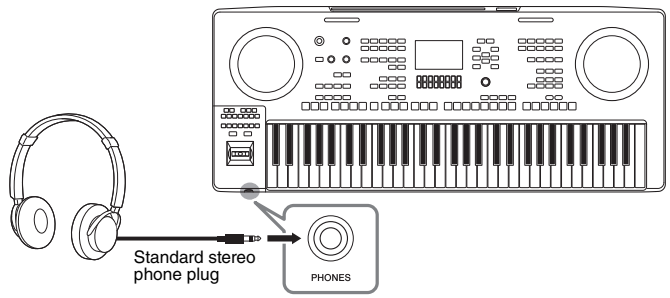


⚠ CAUTION

Do not use the instrument at high volume for long periods of time. Doing so may cause hearing loss.

Using the Headphones

Connect a pair of headphones to the [PHONES] jack on the rear panel.



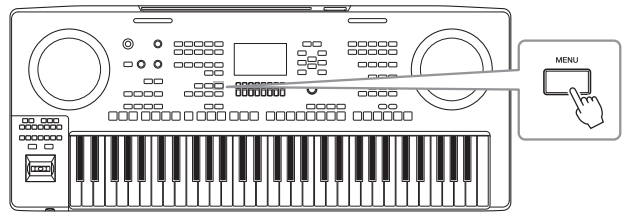
⚠ CAUTION

Do not listen with the headphones at high volume for long periods of time. Doing so may cause hearing loss.

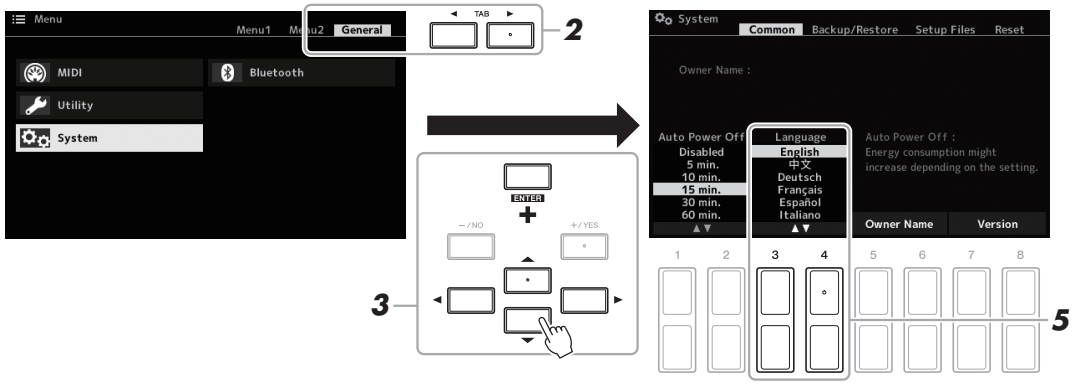
Changing the Display Language

This determines the language (English, Chinese, German, French, Spanish and Italian are available) used in the display for messages.

1 **Press the [MENU] button to call up the operation display.**



2 **Use the TAB [▶] button to call up General.**



3 **Use the Cursor buttons [▲][▼][◀][▶] to select System, and then press the [ENTER] button.**

4 **Press the TAB [◀] button to select the Common tab.**

5 **Use the [3 ▲▼]/[4 ▲▼] buttons to select and change the desired language.**

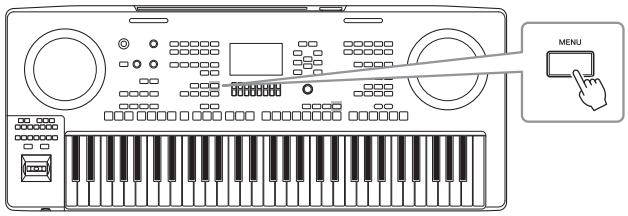
Press the [EXIT] button several times to return to the Main display.

Playing the Demo

The Demo provides helpful, easy-to-understand introductions to the features and functions as well as dynamic demonstrations of the high-quality sounds.

1 **Call up the operation display.**

[MENU] → Menu1 → Cursors buttons [▲][▼][◀][▶] Demo → [ENTER]



2 **Use the Cursor buttons [▲][▼][◀][▶] to select a specific Demo, and then press the [ENTER] button.**

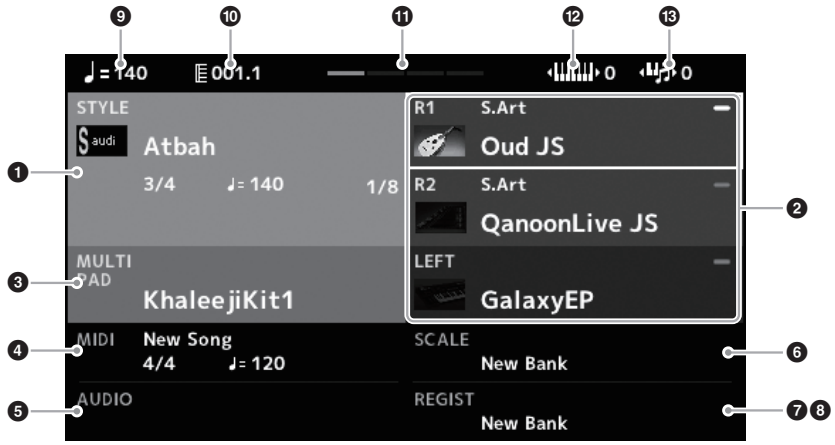
The selected function's Demo will be played.
To stop playback, press the [EXIT] button.

3 **To exit the Demo display, press the [EXIT] button.**

Basic Operations

Main Display Configuration

The display that appears when the power is turned on is the Main display. This display shows the current basic settings such as the currently selected Voice and Style, allowing you to see them at a single glance. The Main display is the one you'll usually see when you play the keyboard.



NOTE

You can quickly call up the Main display by pressing the [DIRECT ACCESS] button, followed by the [EXIT] button.

❶ Style name and related information

Displays the currently selected Style name, time signature and tempo (page 52). When the [ACMP] button is set to on, the chord specified in the chord section of the keyboard will be displayed.

❷ Voice name

Displays the Voice names currently selected for the Right1, Right2 and Left parts (page 41), and the Part Name appears when currently selected by pressing the PART SELECT button.

❸ Multi Pad Bank name

Displays the names of the selected Multi Pad Bank (page 92).

❹ Song name and related information

Displays the currently selected Song name, time signature, tempo and bar (page 67).

NOTE

For the PSR-A700, "Song" refers to the MIDI data file which contains performance data (page 67).

❺ Audio file information

Displays information for the selected audio file in the connected USB flash drive (page 84), including the elapsed playback time, file name and Repeat mode icon. During recording, a "Rec" indication appears. When Audio recording is in standby, the "Rec" indication flashes.

❻ Scale Tune Memory Bank name
Indicates the currently selected Scale Tune Memory Bank File name.

❼ Registration Memory Bank name
Displays the currently selected Registration Memory Bank name and Registration Memory number (page 98).

❽ Registration Sequence
Appears when the Registration Sequence is active. For instructions on programming the sequence, refer to the Reference Manual on the website, Chapter 7.

❾ Tempo
Displays the current tempo in Style playback or Song playback.

❿ Bar/Beat
Displays the current position (bar/beat) in Style playback or Song playback.

⓫ Beat
Indicates the current beat of playback.

⓬ Upper Octave
Displays the amount that the octave value is shifted (page 43).

⓭ Transpose
Displays the amount of transposition in semitone units (page 43).

Instruction conventions in this manual

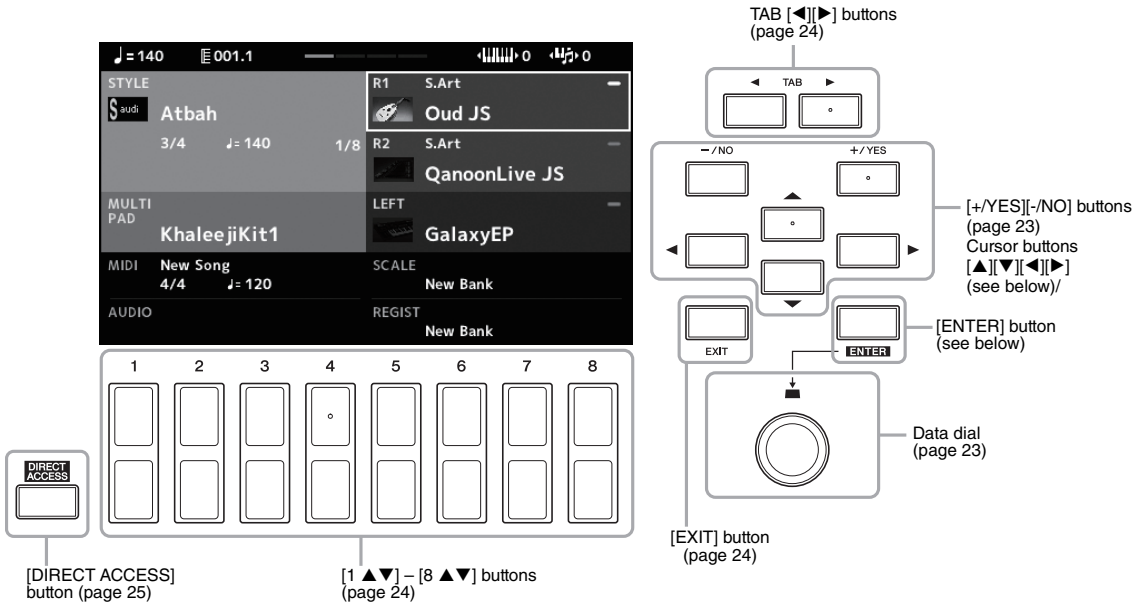
Throughout this manual, instructions with multiple steps are given in convenient shorthand, with arrows indicating the proper sequence.

Example: [MENU] → TAB [▶] General → Cursor buttons [▲][▼][◀][▶] System → [ENTER] → TAB [◀][▶] Backup/Restore

The example above describes a five step operation:
1) Press the [MENU] button.
2) Press the TAB [▶] button to select the General tab.
3) Use the Cursor buttons [▲][▼][◀][▶] to select "System."
4) Press the [ENTER] button.
5) Use the TAB [◀][▶] buttons to select the Backup/Restore tab.

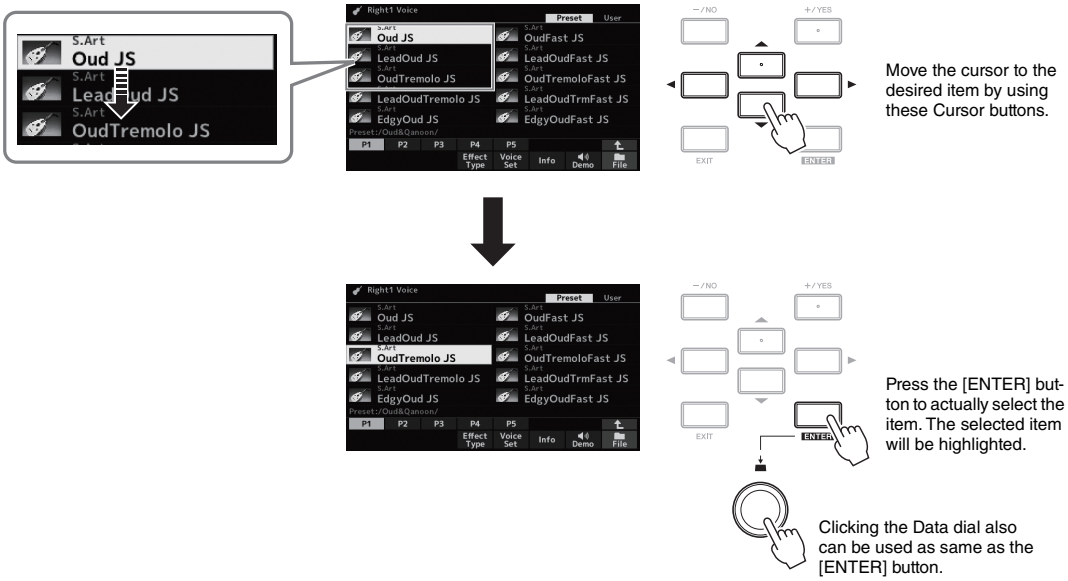
Display-based Controls

The LCD provides comprehensive at-a-glance information on all current settings. The displayed menu can be selected or changed by the controls around the LCD.



Cursor buttons [▲][▼][◀][▶]

These buttons are used to move the on-screen cursor.
In the File Selection display (page 26), these buttons are used to move the cursor up, down, left, and right to the desired item. To actually select the item, press the [ENTER] button.

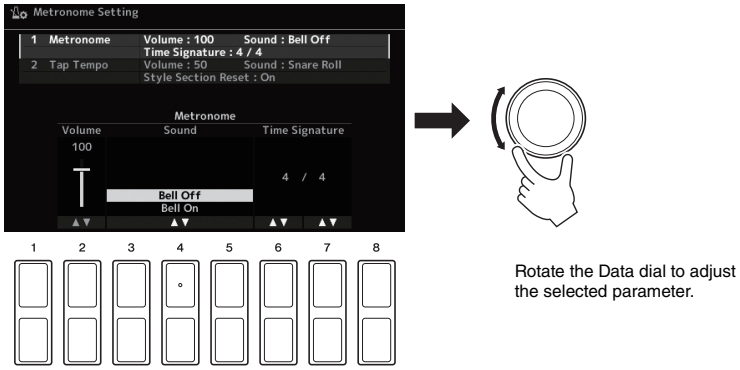


Data dial

Depending on the selected display, the Data dial can be used in the following two ways.

• Adjusting parameter values

You can conveniently use the Data dial in tandem with the [1 ▲▼] – [8 ▲▼] buttons to adjust parameters indicated in the display.



Select the desired parameter with the appropriate [1 ▲▼] – [8 ▲▼] button.

Rotate the Data dial to adjust the selected parameter.

This convenient technique also works well with pop-up parameters such as Tempo and Transpose. Simply press the appropriate button (ex., TEMPO [+]), and then rotate the Data dial to set the value.

• Selecting content files (Voice, Style, Song, and so on)

The operation by using the Data dial is almost same as that of the Cursor buttons. On the File Selection displays (page 26) or the Registration Memory displays (page 96), rotate the Data dial to move the cursor, and then press the [ENTER] button to actually select the file.

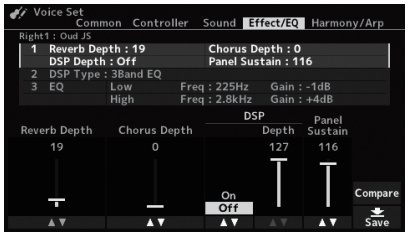
In most procedures when selecting the file or item described throughout this Owner's manual, the Cursor buttons [▲][▼][◀][▶] are used for simple selection, though other methods may also be used.

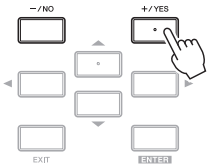
[+/YES] [-/NO] buttons

These buttons are used to adjust the value or select "Yes" or "No" in the message shown in the display, etc.
To reset the desired value to its default, press these buttons simultaneously.

NOTE

You can also use these to select Voices, Styles, etc. without pressing the [ENTER] button. This is convenient when you want to temporarily check the sound of some Voices or Styles.

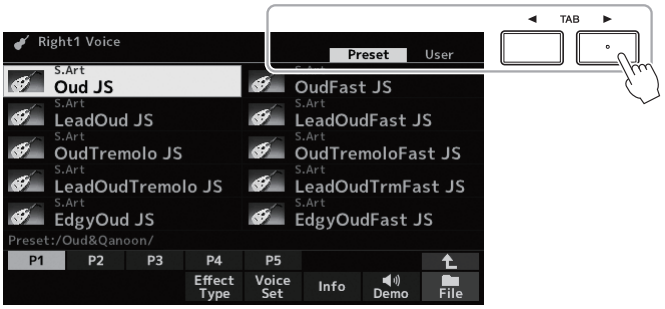




Use these buttons to adjust the value or change the setting of the selected item.

TAB [◀][▶] buttons

These buttons are used mainly to change the pages of displays that have “tabs” at the top.



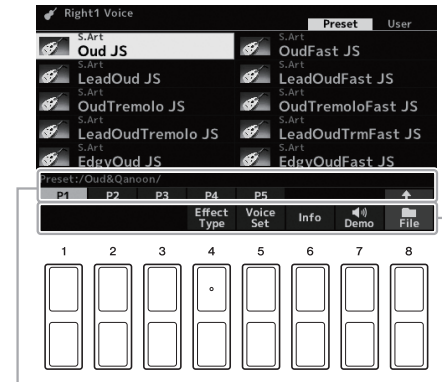
[EXIT] button

Pressing the [EXIT] button returns to the previously indicated display.
Pressing the [EXIT] button several times returns to the default Main display (page 20).

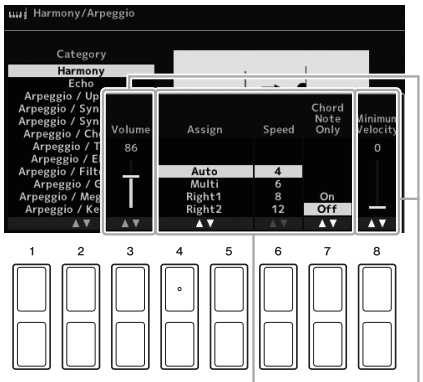


[1 ▲▼] – [8 ▲▼] buttons

The [1 ▲▼] – [8 ▲▼] buttons are used to make selections or adjust settings (up or down correspondingly) for functions shown directly above them. The buttons above the numbers 1 – 8 are described as [▲] and those below the numbers are described as [▼] throughout this manual.



For menus that appear in this section of the display, use the [1 ▲] – [8 ▲] buttons.



For list menus that appear, use the [1 ▲▼] – [8 ▲▼] buttons to select the desired item.

For menus that appear in this section of the display, use the [1 ▼] – [8 ▼] buttons.

For parameters that appear in slider (or knob) form, use the [1 ▲▼] – [8 ▲▼] buttons to adjust the value.

To reset the desired value to its default, press the [▲] buttons and the [▼] buttons simultaneously.

Calling Up the Desired Display Instantly — Direct Access

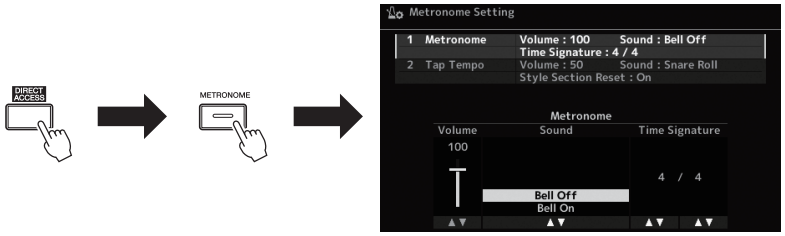
With the convenient Direct Access function, you can instantly call up the desired display — with just a single additional button press. Refer to the "Direct Access Chart" on page 119 for a list of the displays that can be called up with the Direct Access function.

1 Press the [DIRECT ACCESS] button.

A message appears in the display prompting you to press the appropriate button.

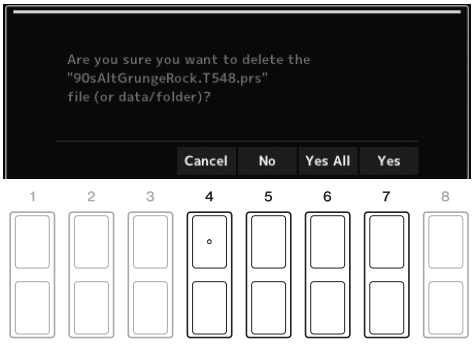
2 Press the button (or move the knob, joystick or connected pedal) corresponding to the desired setting display to instantly call up that display.

For example, pressing the [METRONOME] button calls up the display in which the time signature, volume and sound of the metronome can be set.



Messages Shown in the Display

A message (information or confirmation dialog) sometimes appears on the screen to facilitate operation. When the message appears, press the [+/YES] or [-/NO] button or one of the [1 ▲▼] – [8 ▲▼] buttons corresponding to the message.



File Selection Display Configuration

The File Selection display is for selecting contents (Voice, Styles, and other data) saved as files in the instrument.

■ Calling up the File Selection display

The File Selection displays for contents (Voice, Style or Song, etc.) can be called up on the Main display. In general, use the Cursor buttons [▲][▼][◀][▶] to select the desired item, and then press the [ENTER] button. Otherwise, the displays can be called up in the following ways.

• Voice or Style File Selection display

Press one of the VOICE or STYLE category selection buttons to call up the display.

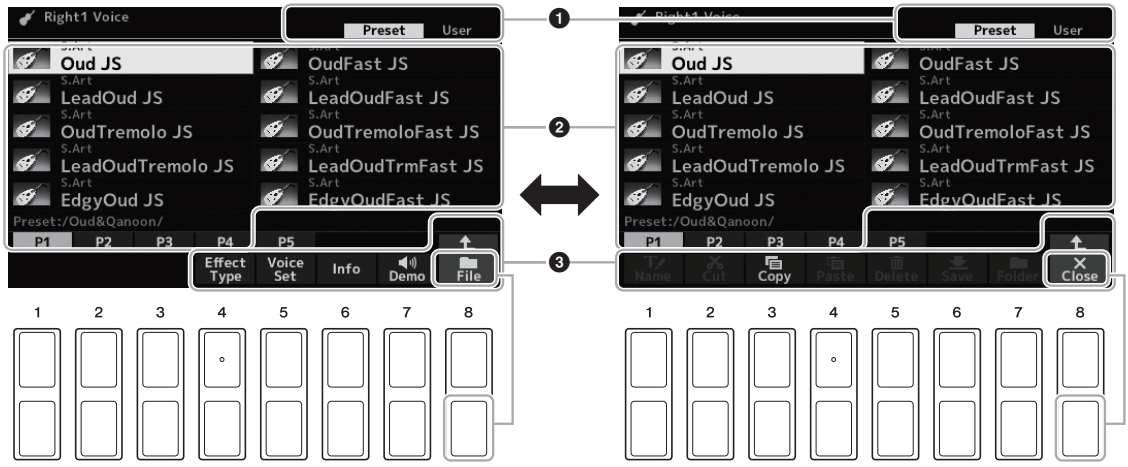
• Song File Selection display

Press the [SONG FUNCTION] button to call up the Song Function Menu at the bottom of the display. Then, press one of the [1 ▲▼] (Select) buttons to call up the display.

NOTE

The Song file selection display can be called up by pressing the [DIRECT ACCESS] button, followed by the [SONG FUNCTION] button.

■ File Selection display configuration



❶ Location (drive) of content files

- **Preset**.....Location where pre-programmed (preset) content files are stored.
- **User**.....Location where recorded or edited content files are saved. Installed Expansion Voices or Styles are also saved here in the Expansion folder.
- **USB**.....Location where content files on USB flash drive are saved. This appears only when a USB flash drive is connected to the USB [TO DEVICE] terminal.

NOTE

Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

❷ Selectable data (files)

The files that can be selected on this display are shown. If more than 10 files exist, pressing the [1 ▲] or [2 ▲] button etc. corresponding to the page numbers (P1, P2...) below the files changes the display page. When other pages follow, the "→" button appears, and for the previous page, the "←" button appears.

NOTE

The contents, both pre-programmed and your own original, are saved as "files."

❸ File/Close

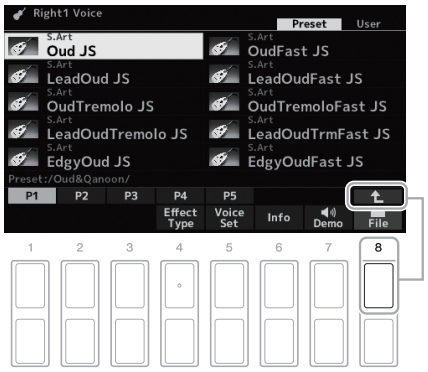
At the bottom of the File Selection display, you can toggle the indication between File and Close by pressing the [8 ▼] button. Selecting File shows the file/folder management function names (page 27).

Calling up a higher level folder

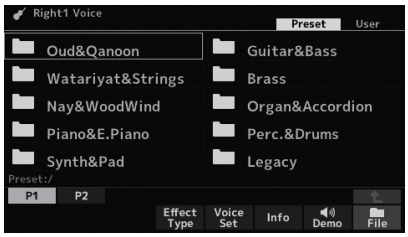
When the files of a folder are displayed, "↑" is shown above the [8 ▲] button.

Example of the Preset Voice Selection display

The Preset Voices are categorized and contained in appropriate folders.



This display shows the Voices in a folder. Pressing [8 ▲] button calls up the next higher level folder.



The next highest level (in this case, folder) is shown. Each folder shown in this display contains appropriately categorized Voices.

File Management

You can save, name, copy, move, delete files, and you can create folders to manage the files with the buttons located lower area in the File Selection display. For information on the File Selection display, refer to page 26.

NOTE

Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

Restrictions for protected Songs

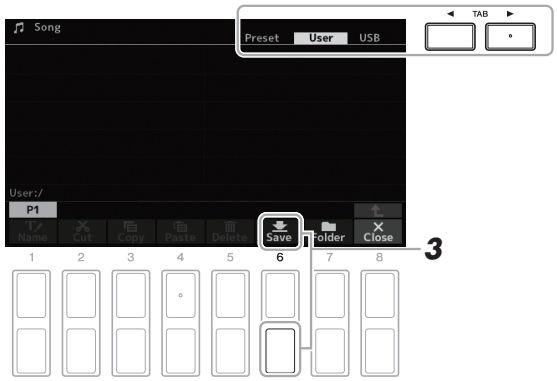
Preset Songs and most commercially available songs are copy protected to prevent illegal copying or accidental erasure. For example, when preset songs are copied to the User drive, "Prot.1" is marked by the indications at the upper left side of the file names. Those only can be copied/moved/deleted in the User drive.

Saving a File

You can save your original data (such as Songs you've recorded) as a file to User or the USB drive in the File Selection display (page 26).

1 In the File Selection display, select the appropriate tab (User or USB) to which you want to save the data by using the TAB [◀][▶] buttons.

If you want to save the data within an existing folder, also select the folder here.



2 Make sure that Save is shown at the bottom of the display.

If it is not shown on the display, press the [8 ▼] (File) button to call it up.

3 Press the [6 ▼] (Save) button.

The Character Entry window is called up.



4 Enter the file name (page 33).

Even if you skip this step, you can rename the file at any time after saving it (page 30).

5 Press the [8 ▲] (OK) button to actually save the file.

If the file name already exists, a message appears asking you if you want to overwrite or not. If not, press one of the [6 ▲▼] (No) buttons and enter another name.

The saved file will be automatically located at the appropriate position among the files in alphabetical order.

NOTE

Files cannot be saved to the Preset tab or the "Expansion" folder (page 51) in the User tab.

NOTE

To cancel the Save operation, press the [8 ▼] (Cancel) button before step 5 below.

NOTE

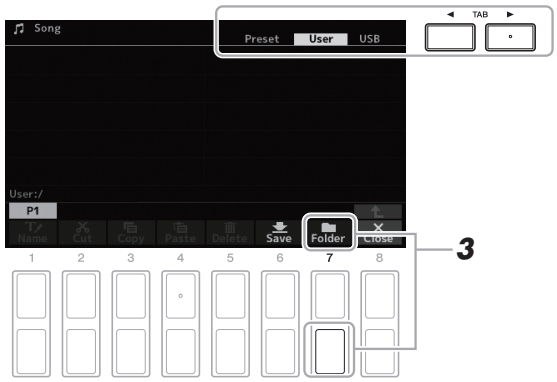
In the User tab, the maximum total number of files which can be stored differs depending on the file size and the length of the file names.

Creating a New Folder

You can create folders to make it easier to find your original data.

1 In the File Selection display, select the appropriate tab (User or USB) to which you want to create a new folder by using the TAB [◀][▶] buttons.

If you want to create a new folder within an existing folder, select the desired folder here.



2 Make sure that Folder is shown at the bottom of the display.

If it is not shown on the display, press the [8 ▼] (File) button to call it up.

3 Press the [7 ▼] (Folder) button.

The Character Entry window is called up.



4 Enter the name of the new folder (page 33).

If the folder name already exists, a message appears asking you to rename. Press one of the [7 ▲▼] (OK) buttons and enter another name.
The created folder will be automatically located at the appropriate position among the folders in alphabetical order.

NOTE

A new folder cannot be made in the Preset tab or the "Expansion" folder (page 51) in the User tab.

NOTE

The maximum number of files/folders which can be saved in a folder is 500.

NOTE

In the User tab, no more than three folder levels can be created. The maximum total number of files/folders which can be saved differs depending on the file size and the length of the file/folder names.

NOTE

To cancel creating a new folder, press the [8 ▼] (Cancel) button.

NOTICE

Do not use "Expansion" for the folder name. Otherwise, all data contained in the "Expansion" folder will be lost when an Expansion Pack (page 51) is installed.

Renaming a File/Folder

You can rename files/folders.

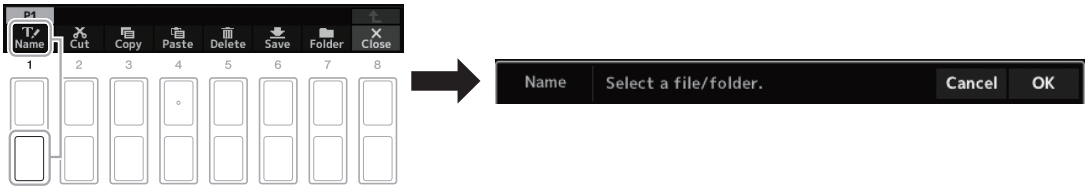
1 **In the File Selection display, select the appropriate tab (User or USB) which contains the file/folder you want to rename by using the TAB [◀][▶] buttons.**

2 **Make sure that Name is shown at the bottom of the display.**

If it is not shown on the display, press the [8 ▼] (File) button to call it up.

3 **Press the [1 ▼] (Name) button.**

The window for the Rename operation appears at the bottom of the display.



4 **Move the cursor to the desired file/folder by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.**

5 **Press the [8 ▼] (OK) button to confirm the file/folder selection.**

The Character Entry window is called up.

6 **Enter the name of the selected file or folder (page 33).**

If the file/folder name already exists, a message appears asking you if you want to overwrite or not. If not, press one of the [6 ▲▼] (No) buttons and enter another name.

The renamed file/folder appears on the display at the appropriate position among the files in alphabetical order.

NOTE

Files and folders in the Preset tab or the "Expansion" folder (page 51) in the User tab cannot be renamed.

NOTE

To cancel the Rename operation, press the [7 ▼] (Cancel) button.

NOTICE

Do not use "Expansion" for the folder name. Otherwise, all data contained in the "Expansion" folder will be lost when an Expansion Pack (page 51) is installed.

Copying or Moving Files

You can copy or cut files and paste them to another location (folder).

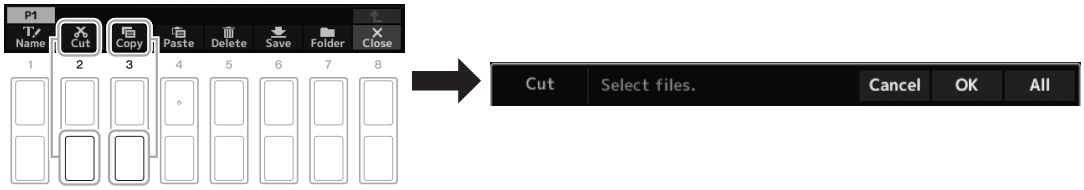
1 **In the File Selection display, select the appropriate tab (Preset, User or USB) which contains the file/folder you want to copy by using the TAB [◀][▶] buttons.**

2 **Make sure that Copy or Cut is shown at the bottom of the display.**

If those are not shown on the display, press the [8 ▼] (File) button to call it up.

3 **Press the [3 ▼] (Copy) button to copy or [2 ▼] (Cut) to move.**

The window for the Copy/Cut operation appears at the bottom of the display.



4 **Move the cursor to the desired file/folder by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.**

Pressing the [ENTER] button selects (highlights) the file/folder. To cancel the selection, press the [ENTER] button again.

Press the [8 ▼] (All) button to select all files/folders indicated on the current display including the other pages. To cancel the selection, press the [8 ▼] (All Off) button again.

5 **Press the [7 ▼] (OK) button to confirm the file/folder selection.**

6 **Select the destination tab (User or USB) to paste the file/folder, by using the TAB [◀][▶] buttons.**

If necessary, select the destination folder by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

7 **Press the [4 ▼] (Paste) button to paste the file/folder selected in step 4.**

If the file/folder name already exists, a message appears asking you if you want to overwrite or not. If not, press one of the [6 ▲▼] (No) buttons and enter another name.

The pasted file/folder appears on the display at the appropriate position among the files in alphabetical order.

NOTE

- Files in the Preset tab cannot be moved. They can only be copied.
- Files in the "Expansion" folder (page 51) in the User tab cannot be copied/moved.
- Commercially available song data may be copy protected to prevent illegal copying.

NOTE

To cancel the Copy/Move operation, press the [6 ▼] (Cancel) button.

Deleting Files/Folders

You can delete individual or multiple files/folders.

NOTE

Files and folders in the Preset tab or the "Expansion" folder (page 51) in the User tab cannot be deleted.

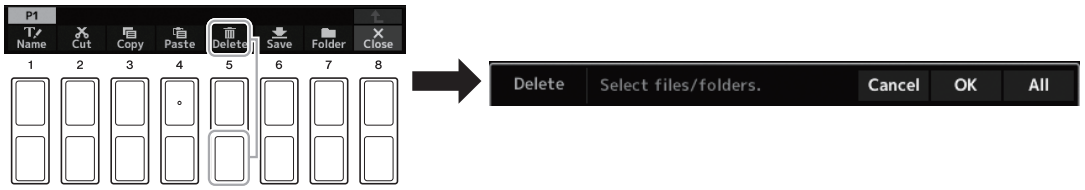
1 In the File Selection display, select the appropriate tab (User or USB) which contains the file/folder you want to delete by using the TAB [◀][▶] buttons.

2 Make sure that Delete is shown at the bottom of the display.

If it is not shown on the display, press the [8 ▼] (File) button to call it up.

3 Press the [5 ▼] (Delete) button.

The window for the Delete operation appears at the bottom of the display.



4 Move the cursor to the desired file/folder by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

Pressing the [ENTER] button selects (highlights) the file/folder. To cancel the selection, press the [ENTER] button again.
Press the [8 ▼] (All) button to select all files/folders indicated on the current display including the other pages. To cancel the selection, press the [8 ▼] (All Off) button again.

NOTE

To cancel the Delete operation, press the [6 ▼] (Cancel) button.

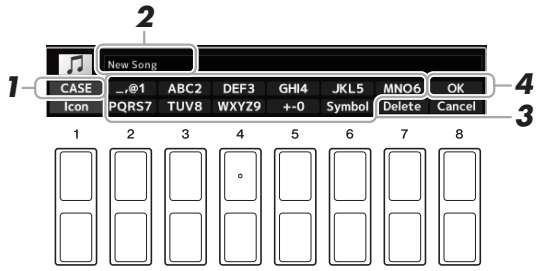
5 Press the [7 ▼] (OK) button to confirm the file/folder selection.

6 Follow the on-display instructions.

- **Yes** .....Deletes the file/folder
- **Yes All** .....Deletes all selected files/folders
- **No**.....Leaves the file/folder as is without deleting
- **Cancel**.....Cancels the Delete operation

Entering Characters

This section covers how to enter characters for naming your files/folders. Entering characters is done in the display shown below.



1 Change the type of character by pressing the [1 ▲] button.

- **CASE** .....Capital letters, numbers, marks
- **case** .....Lowercase letters, numbers, marks

2 Use the Data dial to move the cursor to the desired position.

3 Press the [2 ▲▼] – [6 ▲▼] and [7 ▲] buttons, corresponding to the character you wish to enter.

Several different characters are assigned to each button, and the characters change each time you press the button.
To actually enter the selected character, move the cursor or press another character-input button. Alternately, you can wait for a short time and the character will be entered automatically.
For more information on entering characters, refer to "Other character-entry operations" on the page 34.

NOTE

- The following marks cannot be entered for a file/folder name. \ / : * ? " < > |
- File names can contain up to 41 characters and folder names can contain up to 50 characters.

4 Press the [8 ▲] (OK) button to actually enter the new name and return to the previous display.

NOTE

To cancel the character-entering operation, press the [8 ▼] (Cancel) button.

Other character-entry operations

• Deleting characters

Move the cursor to the character you wish to delete by using the Data dial, and press the [7 ▼] (Delete) button. To delete all characters on the line at once, press and hold the [7 ▼] (Delete) button.

• Entering marks or space

1. Press the [6 ▼] (Symbol) button to call up the mark list.
2. Use the Data dial to move the cursor to the desired mark or space, and then press the [8 ▲] (OK) button.

• Selecting custom icons for files (shown at left of file name)

1. Press the [1 ▼] (Icon) button to call up the Icon Select display.
2. Select the icon by using the Cursor buttons [▲][▼][◀][▶] or Data dial. The display includes several pages. Press the TAB [◀][▶] buttons to select the desired pages.
3. Press the [8 ▲] (OK) button to apply the selected icon.

NOTE

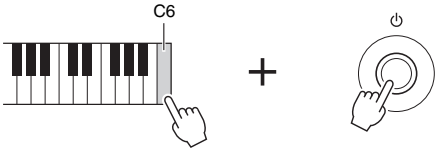
To cancel the operation, press the [8 ▼] (Cancel) button.

Resetting to the Factory-programmed Settings

While holding the right-most key (C6) on the keyboard, turn the power on. This resets the settings of the entire instrument (referred to as the System Setup parameters) to their factory default settings. Refer to the "Parameter Chart" in the Data List on the website for details about which parameters belong to System Setup.

NOTE

The recorded Songs (page 74), Expansion Packs (page 51), and other files saved to this instrument are not reset by this operation.



You can also reset specified settings to the factory default value or delete all files/folders in the User drive. Call up the operation display: [MENU] → TAB [▶] General → Cursor buttons [▲][▼][◀][▶] System → [ENTER] → TAB [◀][▶] Reset. For details, refer to the Reference Manual on the website, Chapter 10.

Data Backup

You can back up all data saved in the User drive (except Protected Songs and Expansion Voices/Styles) and all settings of the instrument to a USB flash drive as a single file.

NOTE

Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

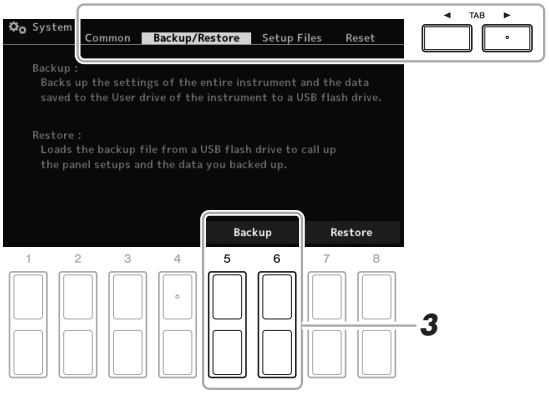
1 Connect a USB flash drive to the USB [TO DEVICE] terminal for the backup destination.

NOTE

You can also back up files in the User drive such as Voice, Song, Style, Multi Pad and Registration Memory by copying them individually to a USB flash drive as desired. For instructions, refer to page 31.

2 Call up the operation display.

[MENU] → TAB [▶] General → Cursor buttons [▲][▼][◀][▶] System → [ENTER] → TAB [◀][▶] Backup/Restore



NOTE

You can also back up System settings and MIDI settings individually as desired. Call up the operation display: [MENU] → General → System → Setup Files. For more information, refer to the Reference Manual on the website, Chapter 10.

3 Use the [5 ▲▼]/[6 ▲▼] (Backup) buttons to save the data to the USB flash drive.

When confirmation messages appear, follow the on-display instructions.

NOTE

Completing the backup/restore operation may take a few minutes.

Restoring the Backup File

To do this, press the [7 ▲▼]/[8 ▲▼] (Restore) buttons in the Backup/Restore page (see above). When confirmation messages appear, follow the on-display instructions. When the operation is completed, the instrument will be restarted automatically.

NOTICE

Move the Protected Songs (saved to the User drive) to USB flash drive before restoring. If the Songs are not moved, the operation deletes the data. For instructions, refer to page 31.

Workflow Guide—For Performing on the PSR-A700

■ Creating panel settings manually and performing a single song

Playing the keyboard with Styles (Auto Accompaniment)

Setting up the Style ... p. 52

Optimum panel settings for the current Style (One Touch Setting) ... p. 61
Calling up the most appropriate panel settings (Keyboard Parts, Harmony/Arpeggio, or Multi Pads) for the selected Style.

or

Setting up the Voices ... p. 38
(Setting up keyboard parts)

Setting up Harmony/ Arpeggio ... p. 47

or

Singing with Song playback

Making Song playback settings ... p. 67

■ Storing the song's panel settings for easy recall

Storing the song's panel settings to Registration Memory ... p. 97
For details about Registration Memory and Registration Banks, refer to page 96.

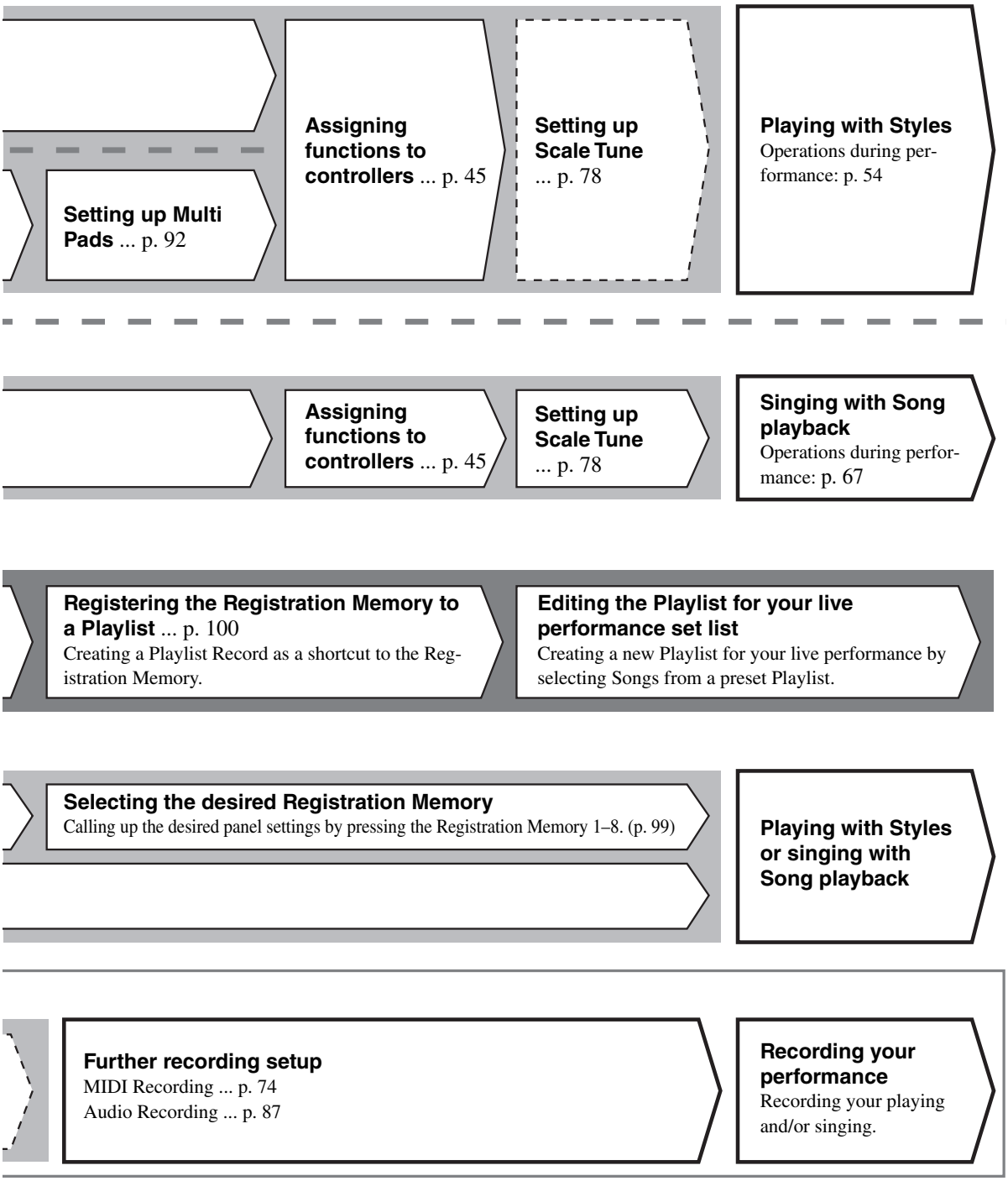
■ Calling up the stored panel settings for your performance

Selecting the desired Registration Bank file
Calling up the Registration Memories 1–8 for the Bank file. (p. 98)

Calling up the desired song's panel settings from the Playlist in a single step
Selecting the desired Playlist Record for calling up the corresponding linked Registration Memory.

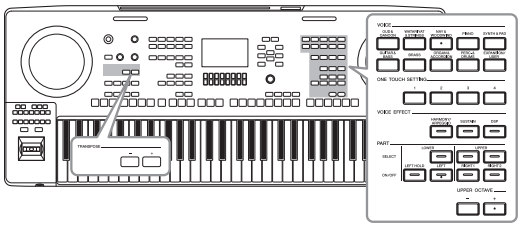
■ Recording your keyboard performance

Recording setup: Calling up a Registration Memory from the Playlist, etc.


Setting up Multi Pads ... p. 92
Assigning functions to controllers ... p. 45
Setting up Scale Tune ... p. 78
Playing with Styles
Operations during performance: p. 54
Assigning functions to controllers ... p. 45
Setting up Scale Tune ... p. 78
Singing with Song playback
Operations during performance: p. 67
Registering the Registration Memory to a Playlist ... p. 100
Creating a Playlist Record as a shortcut to the Registration Memory.
Editing the Playlist for your live performance set list
Creating a new Playlist for your live performance by selecting Songs from a preset Playlist.
Selecting the desired Registration Memory
Calling up the desired panel settings by pressing the Registration Memory 1–8. (p. 99)
Playing with Styles or singing with Song playback
Further recording setup
MIDI Recording ... p. 74
Audio Recording ... p. 87
Recording your performance
Recording your playing and/or singing.

1 Voices

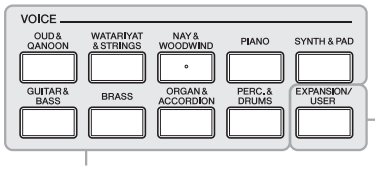
– Playing the keyboard –



The PSR-A700 features a wide variety of exceptionally realistic instrumental Voices, including piano, organ, guitar, strings, brass, wind instruments and more. Moreover, it gives you the tools to play these Voices more naturally and with greater expressiveness.

Playing Voices

1 Press one of the VOICE category selection buttons to select a Voice category and call up the Voice Selection display.



Preset Voices

- **Expansion Voices**
  Voices additionally installed (page 51).
- **User Voices**
  Voices created with the Voice Set function (refer to the Reference Manual on the website), or Voices copied to the User drive (page 31).

The preset Voices are categorized and contained in appropriate folders. Voice category selection buttons correspond to the categories of the preset Voices. For example, press the [GUITAR] button to display various guitar Voices.

NOTE

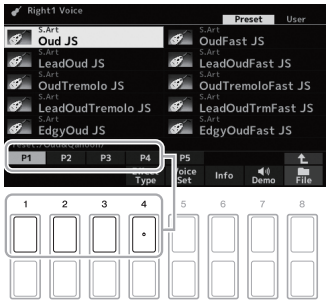
For a list of preset Voices of this instrument, refer to the "Voice List" in the Data List on the website.

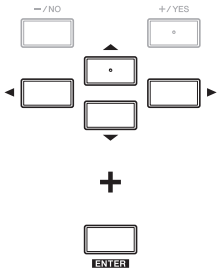
2 Move the cursor to the desired Voice by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

You can call up the other pages by pressing the buttons ([1 ▲] – [7 ▲]) that correspond to the page numbers (P1, P2 ...), or by pressing the same VOICE category selection button repeatedly.
Pressing the [8 ▲] (↑) button calls up other VOICE categories (folders).

NOTE

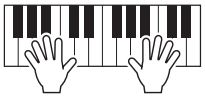
The Voice characteristics are indicated above the Preset Voice name. For details on the characteristics, see page 39.





NEXT PAGE

3 Play the keyboard.



NOTE

The Voice name for each part can be confirmed on the Main display (page 20).

Voice Types (Characteristics)

The particular type of a Voice is classified into nine kinds. The defining characteristics of these Voices and their performance advantages are described below.

S.Art Voice (Super Articulation Voices)	The S.Art Voices enable you to create subtle, very realistic musical expressions, simply by how you play the keyboard or use the foot controller in real-time. "S.Art" is indicated at the upper left of the Voice name in the Voice Selection display when selected. To confirm what playing techniques are effective with specific S.Art Voices, press the [6 ▼] (Info) button shown in the display of the selected S.Art Voice. For details, refer to page 40. For some S.Art Voices of "Piano & E.Piano" category, "Info" is not shown even when selected, because those Voices recreate detailed sound of Piano, but not particular playing techniques. **NOTE** For some S.Art Voices of the Piano & E.Piano category, "Info" is not shown even when selected, because those Voices recreate detailed sounds of the Piano, but not particular playing techniques.
Live	These acoustic instrument sounds were sampled in stereo, to produce a truly authentic, rich sound — full of atmosphere and ambience.
Cool	These Voices use sophisticated programming to capture the dynamic textures and subtle nuances of electric instruments.
Sweet	These acoustic instrument sounds also benefit from Yamaha's sophisticated technology — and feature a finely detailed and natural sound.
Drums	Various drum and percussion sounds are assigned to individual keys, letting you play the sounds from the keyboard. For information about what sound is assigned to each key, refer to the "Drum/SFX Kit List" in the Data List on the website.
SFX	Various special effect sounds and percussion sounds are assigned to individual keys, letting you play the sounds from the keyboard. For information about what sound is assigned to each key, refer to the "Drum/SFX Kit List" in the Data List on the website.
Live Drums	These are high-quality drum sounds that take full advantage of Stereo Sampling and Dynamic Sampling.
Live SFX	These are various high-quality special effect sounds and percussion sounds that take full advantage of Stereo Sampling and Dynamic Sampling.
MegaVoice	MegaVoice is a special Voice format designed for use in styles and songs, not for live performance. Different velocity ranges are used to select dramatically different playing styles simultaneously, and without changing the voice. Actual sound maps for the MegaVoices are provided in the "MegaVoices Map" in the Data List on the website. **NOTE** • The MegaVoices are not compatible with other kinds of Voices. For this reason, any Song or Style you've created on this instrument using these Voices will not sound properly when played back on the instruments which do not have these types of Voices. • MegaVoices sound differently depending on keyboard range, velocity, touch, etc. Hence, if you turn on the [HARMONY/ARPEGGIO] button or change the Voice Set parameters, unexpected or undesired sounds may result.

For a list of preset Voices of this instrument, refer to the "Voice List" in the Data List on the website.

To listen to the demo phrases for each Voice

Press the [7 ▼] (Demo) button to start the Demo for the selected Voice. To stop the demo, press the [7 ▼] button again.

Playing Super Articulation Voices

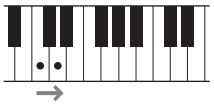
The Super Articulation Voices (S.Art Voices) enable you to create subtle, very realistic musical expressions, simply by how you play. The [S.Art] icon is shown beside the Voice name of Super Articulation Voices (S.Art) on the Voice Selection display or the Main display.

Adding Articulation Effects by Playing the Keyboard

By playing notes in a very legato way (i.e., a note is played while the preceding note is still held), the S.Art Voices provide many benefits with great playability and expressive control in real time — remarkably reproducing the sound and performance of actual musical instruments.

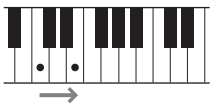
Example: Saxophone Voice

With the Saxophone Voice, if you play a C note and then an adjacent D in a very legato way, you will hear the note change seamlessly, as though a saxophone player played it in a single breath.



Example: Guitar Voice

With the ConcertGuitar Voice, if you play a C note and then the E just above in a very legato but firm way, the pitch slides up from C to E.



NOTE

Since the S.Art Voices have various effects, not all of the S.Art Voices correspond to legato play. To confirm what playing techniques are effective with specific S.Art Voices, press the [6 ▼] (Info) button shown in the display of the selected S.Art Voice.

Adding Articulation Effects by Using the Pedal

To control articulation effects, you can assign the function to the pedal. Pressing a pedal triggers different playing effects, separate from your keyboard playing. For example, pressing a pedal for a saxophone Voice can produce breath noises or key noises, while doing the same for a guitar Voice can produce fret noises or body-tapping sounds. You can effectively intersperse these into the notes as you play.

Foot Pedals (sold separately)



FC4A FC5 FC7

NOTE

- S.Art Voices are compatible with other models which have those types of Voices installed; however, some Song or Style data you've created on the instrument using these Voices may not sound properly when played back on other instruments.
- S.Art Voices sound differently depending on the keyboard range, velocity, touch, etc. Hence, if you turn on a Keyboard Harmony effect, or change the Voice Settings, unexpected or undesired sounds may result.

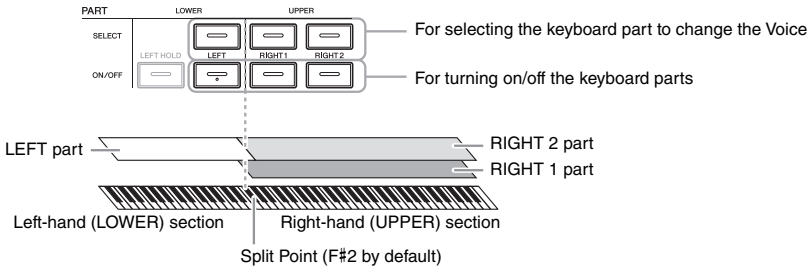
To assign the function of articulation to the pedal, call up the display via the following operations.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Controller → [ENTER] → TAB [◀] Foot Pedal

For details, refer to the Reference Manual on the website, Chapter 9.

Selecting Voices for the Keyboard Parts

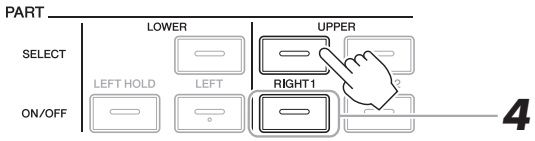
The Voices can be played via three keyboard parts: LEFT, RIGHT 1 and 2. You can combine these parts by using the PART ON/OFF buttons to create luscious instrument textures and convenient performance combinations.



- **To play one single Voice on the entire keyboard:**
  Turn on the RIGHT 1 or 2 part.
- **To play two different Voices in layer on the entire keyboard (Layer):**
  Turn on the RIGHT 1 and 2 parts.
- **To play different Voices in the right- and left-hand sections of the keyboard (Split):**
  Turn on the LEFT and RIGHT (1 and/or 2) parts. The F♯2 and lower keys are used for the LEFT part while the upper keys (excluding F♯2) are used for the RIGHT 1 and 2 parts. The key which divides the keyboard into the left-hand and right-hand sections is referred to as the "Split Point."

NOTE
The Split Point can be changed (page 63).

1 Turn on the PART SELECT button corresponding to the part you want to use.



2 Select the Voice for the selected part.

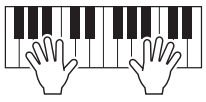
For instructions on selecting Voices, refer to page 38.

3 If necessary, repeat steps 1 and 2 on page 38 to select the Voice for the other part.

NOTE
You can save the Voice selection and on/off setting for each part to Registration Memory (page 97).

4 Turn on the PART ON/OFF button corresponding to the part(s) you want to use.

5 Play the keyboard.

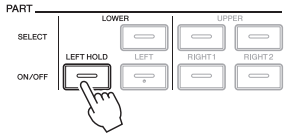


NOTE
The Voice name for each part can be confirmed on the Main display (page 20).

Holding the LEFT part Voice (Left Hold)

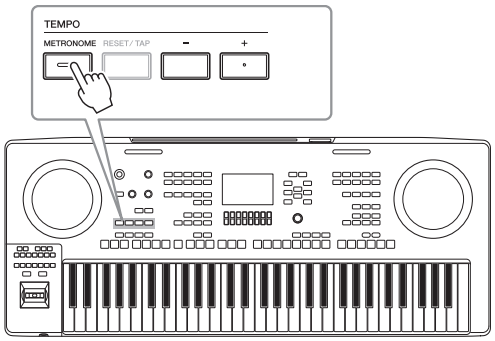
By turning on the PART ON/OFF [LEFT HOLD] button when the LEFT part is ON, the LEFT part Voice is held even when the keys are released. Non-decaying Voices such as strings are held continuously, while decay-type Voices such as piano decay more slowly (as if the sustain pedal has been pressed).

This function is convenient when used along with Style playback since the sound of the chord matching Style playback is maintained. To stop the LEFT part Voice which is sounding, stop Style or Song playback, or turn the [LEFT HOLD] off.



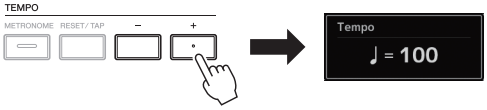
Using the Metronome

You can start or stop the metronome by pressing the [METRONOME] button.



- **TEMPO [-]/[+] buttons**

  Press the TEMPO [–] or [+] button to call up the Tempo pop-up display. Use the TEMPO [–]/[+] buttons to decrease or increase the tempo over a range of 5 – 500 beats per minute. Holding down either button can change the value continuously. Pressing both TEMPO [– and [+] buttons simultaneously can call up the default tempo of the last selected Style or Song.



NOTE

You can also control the tempo by using the LIVE CONTROL knobs. For instructions on how to assign the function to the knobs, refer to page 45.

Changing the Metronome Settings

You can also change the time signature, volume and sound of the metronome: [MENU] → TAB [▶] Menu1 → Cursor buttons [▲][▼][◀][▶] → Metronome Setting

For more information, refer to the Reference Manual on the website.

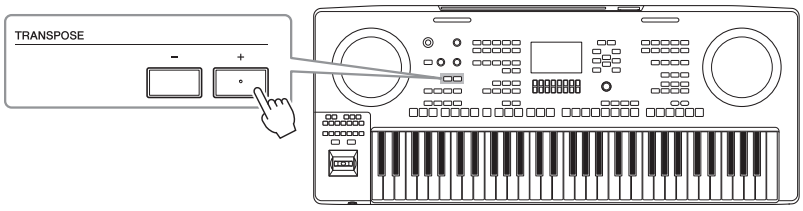
Changing the Pitch of the Keyboard

Adjusting the Pitch in Semitones (Transpose)

The TRANSPOSE [-]/[+] buttons transpose the overall pitch of the instrument (the keyboard sound, Style playback, Song playback, and so on) between -12 and 12 in semitone steps. To instantly reset the transpose value to 0, press the [+] and [-] buttons simultaneously.

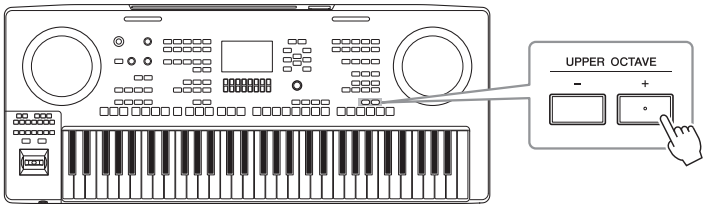
NOTE

The Transpose functions do not affect the Drum Kit or SFX Kit Voices.



Adjusting the Pitch in Octaves

The UPPER OCTAVE [-]/[+] buttons allow you to shift the pitch of the RIGHT 1 and 2 parts up or down by one octave (-3 – 0 – 3).



Fine tuning the Pitch

By default, the pitch of the entire instrument is set to 440.0 Hz according to equal temperament. This basic tuning can be changed in the display called up via [MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Master Tune → [ENTER]. The pitch can be shifted up or down between 414.8Hz and 466.8Hz in approximately 0.2 Hz increments. For details, refer to the Reference Manual on the website.

Transposing the pitch in the Voice Setting display

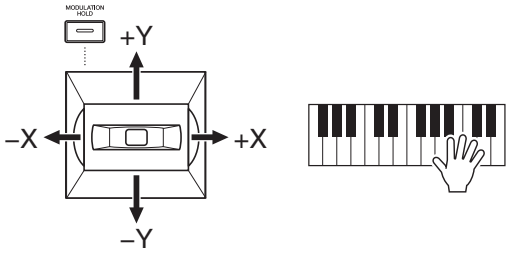
You can also make detailed pitch settings (octave and tune) for each of the keyboard parts in the Voice Setting display called up via the following operations.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Voice Setting → [ENTER] → TAB [▶] Tune

For more information, refer to the Reference Manual on the website.

Using the joystick

By moving the joystick in a horizontal (X) or vertical (Y) direction, you can bend the pitches up or down, or apply modulation effects. Move the joystick to control the sound while playing the keyboard.



• X: Pitch Bend

Bends pitches up (by moving the joystick to the right) or down (by moving the joystick to
the left) while playing the keyboard. By default, this is applied to all keyboard parts (RIGHT 1–2 and LEFT).

NOTE

The maximum pitch bend range for each keyboard parts can be changed on the display called up via [MENU] → Menu1 → Controller → Setting.

• Y: Modulation

The Modulation function applies a vibrato effect to notes played on the keyboard. By default, this is applied to the keyboard parts RIGHT 1–2.

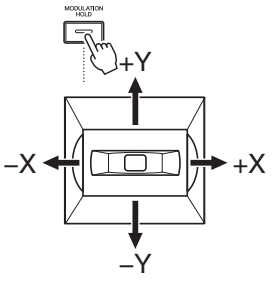
Holding the Modulation value (MODULATION HOLD)

The Joystick is self-centering when released. However, you can hold the current Modulation value by pressing the [MODULATION HOLD] button.

- If the [MODULATION HOLD] button is turned on while the Joystick is moved, the Modulation value (Y-axis value) is fixed and held even after the Joystick is released.
- If the [MODULATION HOLD] button is turned off, the Modulation value returns to the default value for the Voice of each Part. (The position of the Joystick at that time is ignored.)

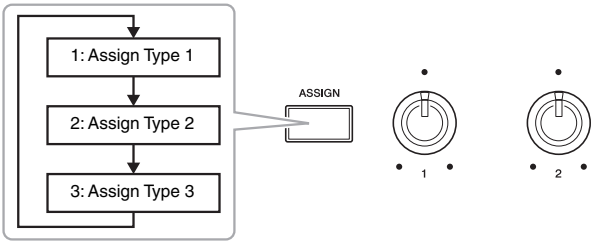
NOTE

When the Voice of one of the keyboard parts is set, the [MODULATION HOLD] button will be turned off automatically, and then the Modulation (+) and Modulation (-) parameters will be reset.



Using the LIVE CONTROL Knobs

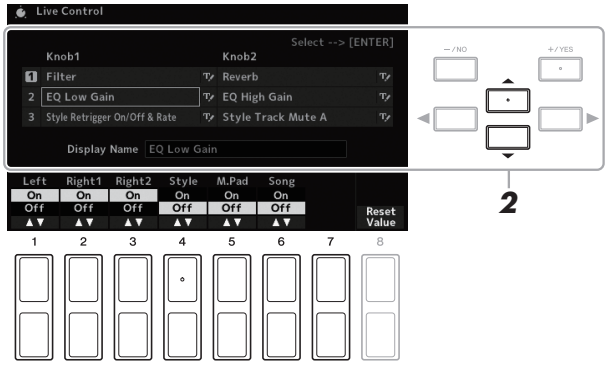
You can add dynamic variations to your performance intuitively in real time by assigning various functions to the LIVE CONTROL [1] and [2] knobs. Each setup of assigned parameters for knobs is called a "Knob Assign Type." There are three Knob Assign Types (1–3) and they can be switched in sequence by pressing the LIVE CONTROL [ASSIGN] button.



To edit a Knob Assign Type, perform the following operations.

1 Call up the Live Control display.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Live Control → [ENTER]

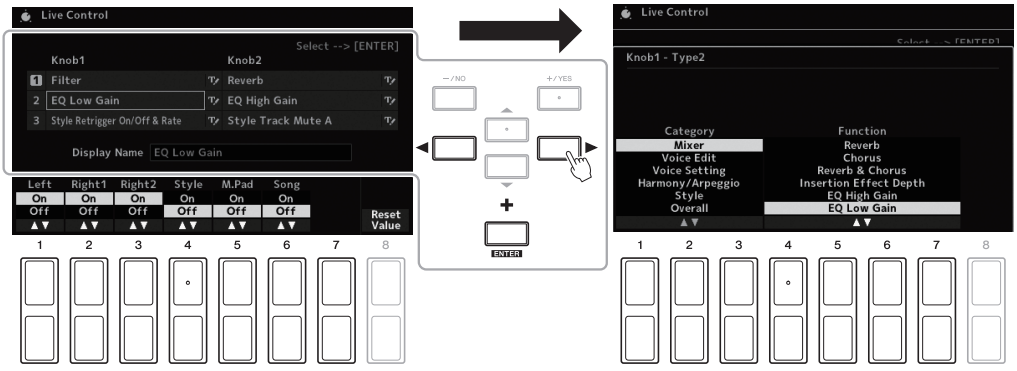


2 Use the Cursor buttons [▲][▼] to select the desired Knob Assign Type to change.

3 Use the Cursor buttons [◀][▶] to select the desired Knob to change, and then press the [ENTER] button to call up the Assign pop-up display.

NOTE

To rename the Type, select (RENAME) at the right of the name of Knob Assign Type. To select the (RENAME), use the cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button. For entering characters, refer to page 33.



NEXT PAGE

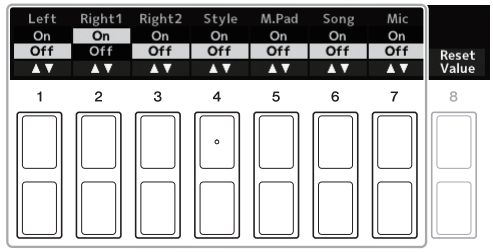
4 Use the [1 ▲▼] – [7 ▲▼] buttons to select the desired function.

For information about the assignable functions, refer to the Reference Manual on the website.

5 Press the [EXIT] button to close the Assign pop-up display.

6 To select the part to which the assigned function will be applied, use the [1 ▲▼] – [7 ▲▼] buttons.

When the function (such as Volume or Balance) which can do detailed setting individually is selected, Detail Setting appears at the bottom left corner of the display. For details, refer to the Reference Manual on the website.



NOTE

The Style Retrigger function is applied only to the Main section of the Style.

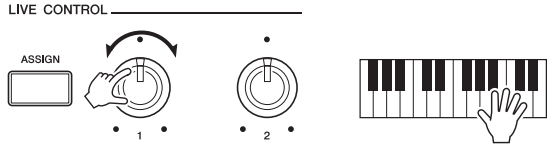
NOTE

Depending on the panel settings or how you move the knob, you may not notice any change to the parameter value or the knob may not work properly, even if you rotate it.

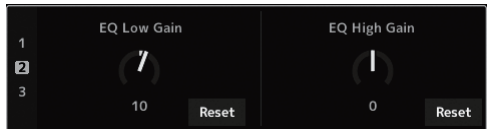
7 Set up the other Knob Assign Type by repeating steps 2 – 6.

The selected Assign Types for knobs will be reset when the power is turned off; however, these can be conveniently saved to Registration Memory (page 96).

8 Rotate the LIVE CONTROL knobs to control the sound while playing the keyboard, or playing back the Style, etc.



When you rotate the knobs, the current status of the knobs is shown on the notice pop-up display. For details, refer to the Reference Manual on the website.



NOTE

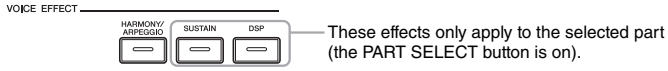
Using the [4 ▲▼]/[8 ▲▼] (Reset) buttons resets the selected function's parameter value to the default, while using the [8 ▲▼] (Reset Value) buttons reset all assignable functions' parameter values.

Samples for combinations of functions

ASSIGN TYPE	Knob 1	Knob 2
1 (Filter + Reverb)	**Filter** Adjusts the cutoff frequency of the filter and the resonance for the RIGHT 1 and 2 parts to change the timbre or tone of the sound. For details, refer to the Reference Manual on the website.	**Reverb** Adjusts the Reverb depth. You can also apply this only to a specified target. Rotating the knob to the right makes it deeper.
2 (Attack + Release)	**Attack** Adjusts the length of time until the RIGHT 1 and 2 parts reach their maximum level after the key is played. Rotating the knob to the right, it increases.	**Release** Adjusts the length of time until the RIGHT 1 and 2 parts decay to silence after the key is released. Rotating the knob to the right increases it.
3 (Master Tempo + Balance)	**Master Tempo** Changes the tempo of the currently selected Style or Song. Setting range is from 50% of the default tempo value to 150%. Rotating the knob to the left makes the tempo slower, while rotating the knob to the right makes it faster.	**Balance** Adjusts the volume balance between the specified parts and other parts. For example, you can control the input volume from the [MIC INPUT] / [AUX IN] jack for adjusting the volume balance with the other parts. For details, refer to the Reference Manual on the website.

Applying Voice Effects

You can apply various effects to enhance or change the sound of the keyboard parts (LEFT, RIGHT 1 and 2). The effects can be turned on or off by using the following buttons.



• HARMONY/ARPEGGIO
The Harmony or Arpeggio is applied to the right-hand Voices. Refer to "Applying Harmony/Echo to Your Right-hand Melody" (see below) or "Triggering Arpeggios with Your Right Hand" (page 49).

• SUSTAIN
When SUSTAIN is on, all notes played on the keyboard have a longer sustain without pedal control (Panel Sustain). Turning SUSTAIN off immediately stops (damps) any sustained notes.

• DSP
DSP (Digital Signal Processor) features built into the instrument provide high-quality effects (including real distortion and real reverb) for the currently selected keyboard part.
With the DSP effects, you can add ambience and depth to your music in a variety of ways — such as adding reverb that makes you sound like you are playing in a concert hall — as well as other dynamic enhancements.

NOTE
The effect type can be changed. On the Voice Selection display, select [5 ▼] (Voice Set) → Effect/EQ → 2 DSP Type. For details, refer to the Reference Manual on the website.

Applying Harmony/Echo to Your Right-hand Melody

Performance effects such as harmony (duet, trio, etc.), echo, tremolo and trill can be applied to notes played.

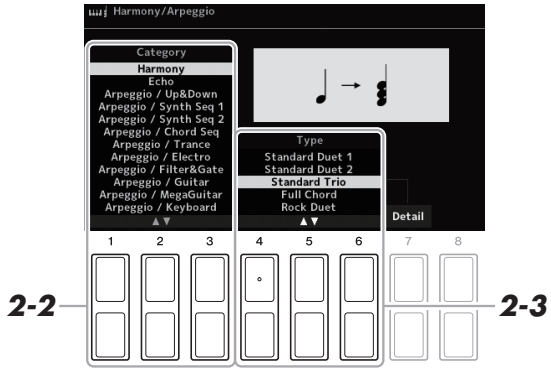
1 Turn the [HARMONY/ARPEGGIO] button on.

2 Select the desired Harmony or Echo type.

2-1 Call up the operation display.
[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Harmony/Arpeggio → [ENTER]

2-2 Use the [1 ▲▼] – [3 ▲▼] buttons to select "Harmony" or "Echo."

2-3 Use the [4 ▲▼] – [6 ▲▼] buttons to select the desired type.



NOTE
When you select another Voice, the Harmony/Echo/Arpeggio type is automatically set to the default which is memorized as the Voice Set. For details on the Voice Set function, refer to the Reference Manual on the website.

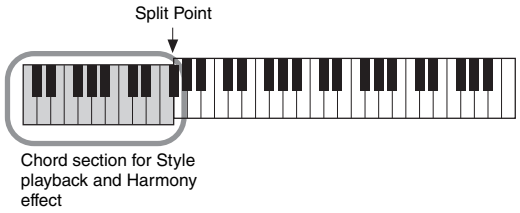
NOTE
Press one of the [7 ▲▼] (Detail) buttons to call up the detail setting display. For information, refer to the Reference Manual on the website.

■ Harmony Category

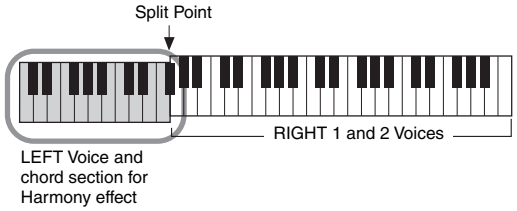
• Standard Duet — Strum.

The Harmony effect is applied to the note played in the right-hand section of the keyboard according to the chord specified in the chord or left-hand section shown below.

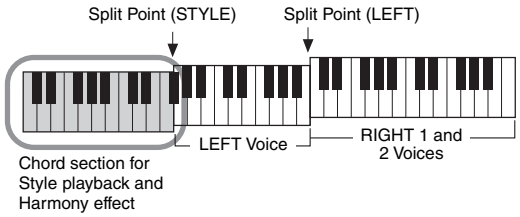
When the [ACMP] button is on and the LEFT part is off:



When the [ACMP] button is off and the LEFT part is on:



When both the [ACMP] button and the LEFT part are on:



• Multi Assign

The Multi Assign effect automatically assigns notes played simultaneously on the right-hand section of the keyboard to separate parts (Voices). Both of the [RIGHT 1] and [RIGHT 2] keyboard parts should be turned on when using the Multi Assign effect. The RIGHT 1 and RIGHT 2 Voices are alternately assigned to the notes in the order you play.

■ Echo Category (Echo, Tremolo, Trill)

The Echo, Tremolo or Trill effect is applied to the note played in the right-hand section of the keyboard in time with the currently set tempo, regardless of the [ACMP] and the LEFT part on/off status. Keep in mind that Trill works when you hold down two notes on the keyboard simultaneously (or the last two notes, if more than two notes are held), and it plays those notes alternately.

3 Play the keyboard.

The effect selected in step 2 is applied to the right-hand melody.

To turn off the effect, turn the [HARMONY/ARPEGGIO] button off.

NOTE

The "1+5" and "Octave" settings are not affected by the chord.

NOTE

For details on the Split Point, refer to page 63.

Triggering Arpeggios

The Arpeggio function lets you play arpeggios (broken chords) by simply pressing the notes of the chord. For example, you could play the notes C, E and G to trigger interesting phrases. This feature can be used for music production as well as performance.

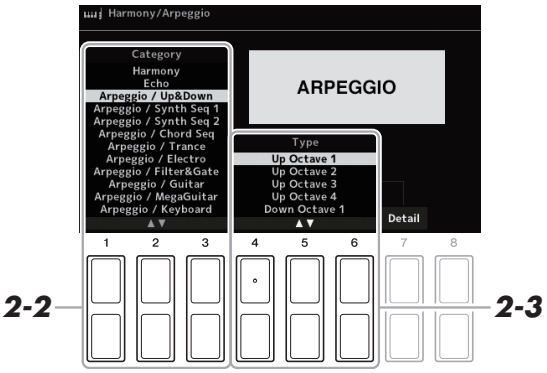
1 Turn the [HARMONY/ARPEGGIO] button on.

2 Select the desired Arpeggio type.

2-1 Call up the operation display.
[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Harmony/Arpeggio → [ENTER]

2-2 Use the [1 ▲▼] – [3 ▲▼] buttons to select a Category other than "Harmony" and "Echo."

2-3 Use the [4 ▲▼] – [6 ▲▼] buttons to select the desired Type.



3 Play a note or notes to trigger the Arpeggio.

The arpeggiated phrase differs depending on the notes played.

To turn off the effect, turn the [HARMONY/ARPEGGIO] button off.

Using the Arpeggio Quantize function

By using the Arpeggio Quantize function, Arpeggio playback can be synchronized with Song/Style playback allowing any slight imperfections in the timing to be corrected. This can be set in the display:

[MENU] → Menu1 → Voice Setting → Setting/Arpeggio

NOTE

When you select another Voice, the Harmony/Echo/Arpeggio type is automatically set to the default which is memorized as the Voice Set.

NOTE

You can set the Arpeggio volume and select the part for playing the Arpeggio in the display called up via one of the [7 ▲▼] (Detail) buttons. For information, refer to the Reference Manual on the website.

NOTE

Arpeggio playback can be continued even after the note has been released, by assigning the Arpeggio Hold function to the foot switch. For details, refer to page 116.

NOTE

You can control the Arpeggio volume and the length of each note by using the LIVE CONTROL knobs. For instructions on how to assign the functions to the knobs, refer to page 45.

Setting the Touch Response of the Keyboard

The instrument has a Touch Response function that lets you control the volume of notes according to how strongly or softly you play the keys. The Touch setting (one of the parameters of the Touch Response) determines how the sound responds to your playing strength.
The Touch type becomes the common setting for all Voices.

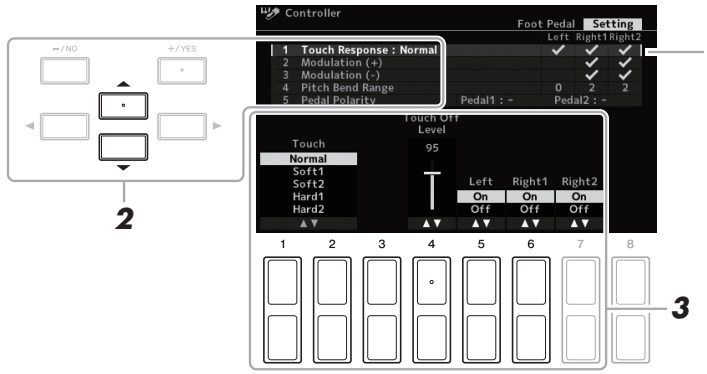
NOTE

Some Voices are purposely designed without Touch Response, in order to emulate the true characteristics of the actual instrument (for example, conventional organs, which have no touch response).

1 Call up the operation display.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] → Controller → [ENTER] → TAB [▶] Setting

2 Use the Cursor button [▲] to select "1 Touch Response."



3 Use the [1 ▲▼] – [7 ▲▼] buttons to set each of the parameters.

[1 ▲▼]/ [2 ▲▼]	Touch	Determines how the sound responds to your playing strength. The following Touch types are available. **Normal:** Standard Touch Response. **Soft1:** Produces high volume with moderate playing strength. **Soft2:** Produces relatively high volume even with light playing strength. Best for players with a light touch. **Hard1:** Requires moderately strong playing for higher volume. **Hard2:** Requires strong playing to produce high volume. Best for players with a heavy touch.
[4 ▲▼]	Touch Off Level	Determines the fixed velocity level when Touch is set to "Off."
[5 ▲▼] – [7 ▲▼]	Left – Right2	Turns Touch on or off for each keyboard part.

Adding New Contents — Expansion Packs

By installing Expansion Packs, you can add a variety of optional Voices and Styles to the "Expansion" folder in the User drive. The installed Voices and Styles can be selected via the [EXPANSION/USER] button in the VOICE or STYLE category selection buttons, allowing you to expand your music performance and creation possibilities. You can purchase high quality Expansion Pack data created by Yamaha, or create your own original Expansion Pack data by using the "Yamaha Expansion Manager" software on your computer. Alternatively, you can use the EXPANSION EXPLORER app, which allows you to install each element of the Expansion Pack individually. For instructions on how to install the Expansion Packs, refer to the Reference Manual on the website.

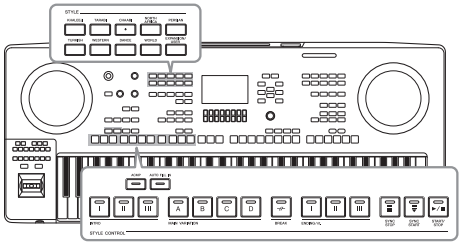
For more information about Expansion Packs, and to obtain the Yamaha Expansion Manager or the EXPANSION EXPLORER software and its manuals, access the Yamaha Downloads website:
https://manual.yamaha.com/mi/rt/psra700/downloads/

Advanced Features
Refer to the Reference Manual on the website, **Chapter 1**.

Selecting MegaVoice or Legacy Voices:	Voice Selection display → [8 ▲] (↑)
Harmony/Arpeggio settings	[MENU] → Menu1 → Harmony/Arpeggio
Pitch-related settings	
• Fine-tuning the pitch of the entire instrument:	[MENU] → Menu2 → Master Tune → [ENTER]
• Scale Tuning:	[MENU] → Menu2 → Scale Tune → [ENTER]
• Changing the part assignment of the TRANSPOSE buttons:	TRANSPOSE [-]/[+] → Cursor [◀][▶] buttons
Editing parameters assigned to the LIVE CONTROL knobs:	[MENU] → Menu1 → Live Control → [ENTER]
Editing Voices (Voice Set):	Voice Selection display → [5 ▼] (Voice Set)
Disabling automatic selection of Voice Sets (effects, etc.):	[MENU] → Menu1 → Voice Setting → [ENTER] → TAB [▶] Voice Set Filter
Changing the detailed Voice setting:	[MENU] → Menu1 → Voice Setting → [ENTER] → Setting/Arpeggio
Installing Expansion Pack data:	[MENU] → Menu2 → Expansion → [ENTER] → Pack Installation → [ENTER] → USB

2 Styles

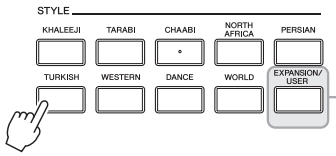
– Playing Rhythm and Accompaniment –



The instrument features various accompaniment and rhythmic backing patterns (called "Styles") in a variety of different musical genres including pop, jazz, and many others. The Style features Auto Accompaniment, letting you produce automatic accompaniment playback simply by playing "chords" with your left hand. This lets you automatically recreate the sound of a full band or orchestra — even if you're playing by yourself.

Playing a Style with the Auto Accompaniment

1 Press one of the STYLE category selection buttons to call up the Style Selection display.



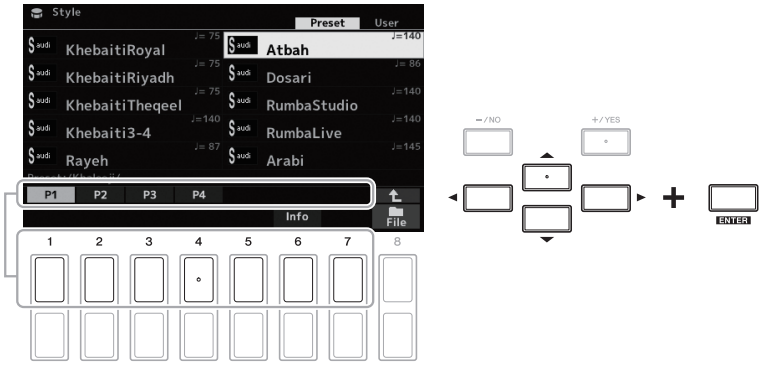
- **Expansion Styles**
  Styles additionally installed (page 51).
- **User Styles**
  Styles created with the Style Creator function (refer to the Reference Manual on the website), or Styles copied to the User drive (page 31).

NOTE

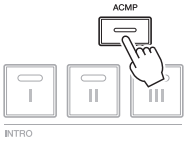
For a list of preset Styles of this instrument, refer to the "Style List" in the Data List on the website.

2 Move the cursor to the desired Style by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

You can call up the other pages by pressing the buttons that correspond to the page numbers (P1, P2 ...) or by pressing the same STYLE category selection button several times.



3 Press the [ACMP] button to turn on the Auto Accompaniment.



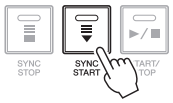
The specific left-hand section of the keyboard (page 63) becomes the chord section, and chords played in this section are automatically detected and used as a basis for fully automatic accompaniment with the selected Style.

NOTE

Although the chords will be detected according to the notes you play in the left hand section by default, you can change the chord detection area from the left hand section to the right hand section. For details, refer to page 64.

NEXT PAGE

4 Press the [SYNC START] button to enable synchronized start (page 54).



5 As soon as you play a chord with your left hand, the selected Style starts.

Try playing chords with your left hand and play a melody with your right hand.



6 Press the [START/STOP] button to stop Style playback.



NOTE

- For information on chords and Chord Fingering types, refer to page 59.
- The chord specified in the chord section is shown on the Main display (page 20).

NOTE

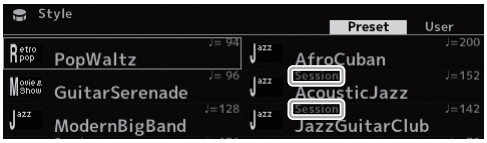
You can transpose the Style playback (page 43).

NOTE

You can use the Style Retrigger function by assigning it to the LIVE CONTROL knob. For details, refer to page 45.

Style Characteristics

The particular type of Style is indicated on the upper left of the Style name in the Style Selection display. The defining characteristics of these Styles and their performance advantages are described below.



- **Session:**

These Styles provide even greater realism and authentic backing by mixing in original chord types and changes, as well as special riffs with chord changes, with the Main sections. These have been programmed to add "spice" and a professional touch to your performances of certain songs and in certain genres. Keep in mind, however, that the Styles may not necessarily be appropriate—or even harmonically correct—for all songs and for all chord playing. In some cases for example, playing a simple major triad for a country song may result in a "jazzy" seventh chord, or playing an on-bass chord may result in inappropriate or unexpected accompaniment.

- **DJ:**

These contain their own special chord progressions, so you can add chord changes to your performance simply by changing the root key. The Multi Pad (page 90) data in the "DJ Phrase" category are specially created for these Styles. You can call up the suitable Multi Pads by using the One Touch Setting function (page 61).

For the Preset Style List, refer to the Data List on the website.

Style file compatibility

This instrument uses the SFF GE file format (page 8). This instrument can play back existing SFF files, but they will be saved in the SFF GE format when the file is saved (or pasted) in this instrument. Please keep in mind that the saved file can only be played back on instruments that are compatible with the SFF GE format.

To Start/Stop Playing

A Style consists of rhythm and accompaniment (chords, etc.) parts. The buttons for Style playback are covered here.

• [START/STOP] button

Turns on/off Style playback. However, only the rhythm part is played back.



• [ACMP] button

Turns the Auto Accompaniment on/off. After activating this button, both the rhythm part and Auto Accompaniment can be played back when playing chords in the chord section during Style playback.



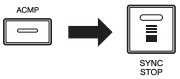
• [SYNC START] button

This puts the Style playback in "standby." The Style starts playing back when you press any note on the keyboard (when [ACMP] is off) or you play a chord with your left hand (when [ACMP] is on). While a Style is playing back, pressing this button stops the Style and puts playback in standby.



• [SYNC STOP] button

Make sure that the [ACMP] button is on, and then press the [SYNC STOP] button, and play the keyboard. You can start and stop the Style anytime you want by simply playing or releasing the keys in the chord section of the keyboard.



NOTE

When the Chord Fingering type (page 59) is set to "Full Keyboard" or "AI Full Keyboard," Sync Stop cannot be turned on.

• INTRO [I] – [III] buttons

The instrument features three different Intro sections to add an introduction before starting Style playback. After pressing one of the INTRO [I] – [III] buttons, start playback of the Style. When the Intro finishes playing, Style playback automatically shifts to the Main section.

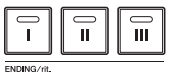


NOTE

The INTRO [I] section consists of only the Rhythm part while INTRO [II] and [III] consist of all the parts as well as the Rhythm part. When you play INTRO [II] or [III], in order to have the complete Intro section sound properly, you need to play chords in the chord section with the [ACMP] turned on.

• ENDING/rit. [I] – [III] buttons

The instrument features three different Ending sections to add an ending before stopping Style playback. When you press one of the ENDING/rit. [I] – [III] buttons while Style is playing back, the Style will automatically stop after the ending is played. You can have the ending gradually slow down (ritardando) by pressing the same ENDING/rit. button once again, while the ending is playing.



NOTE

If you press the ENDING/rit. [I] button when the Style is playing, a fill-in automatically plays before the ENDING/rit [I].

Changing Pattern Variation (Sections) During Style Playback

Each Style features four different Main sections, four Fill-in sections and a Break section. By using these sections effectively, you can easily make your performance sound more dynamic and professional. The section can be freely changed while the Style is playing back.

• MAIN VARIATION [A] – [D] buttons

Press one of the MAIN VARIATION [A] – [D] buttons to select the desired Main section (the button lights in red). Each is an accompaniment pattern of a few measures and it plays indefinitely. Pressing the selected MAIN VARIATION button again maintains the same section, but plays an appropriate fill-in pattern to spice up the rhythm and break the repetition.



Press the selected Main section (lit in red) again.



The fill-in of the selected Main section plays (flashes in red).

AUTO FILL function

When the [AUTO FILL IN] button is turned on, pressing any of the MAIN VARIATION [A] – [D] buttons as you play automatically plays a fill-in section for a smooth, dynamic transition into the next (or same) section.



• [BREAK] button

This lets you add dynamic breaks in the rhythm of the accompaniment. Press the [BREAK] button during Style playback. When the one-measure Break pattern finishes playing, the Style playback automatically shifts to the Main section.



About the lamp status of the section buttons (INTRO/MAIN VARIATION/BREAK/ENDING)

- **Red:** The section is currently selected.
- **Red (flashing):** The section will be played next, following the currently selected section.
  * The MAIN VARIATION [A] – [D] buttons also flash red during fill-in playback.
- **Blue:** The section contains data but is not currently selected.
- **Off:** The section contains no data and cannot be played.

Fading In/Out

• [FADE IN/OUT] button

This produces smooth fade-ins and fade-outs when starting/stopping the playback of Style and Song. Press the [FADE IN/OUT] button when playback is stopped and press the [START/STOP] button for Style (or the [PLAY/PAUSE] button for Song) to start playback with a fade in. To stop the playback with a fade out, press the [FADE IN/OUT] button during playback.



Adjusting the Tempo

The TEMPO [-] and [+] buttons (page 42) let you change the playback tempo of Style, Song and Metronome. The tempo of the Style and Song can also be adjusted via the [RESET/TAP] button.

• [RESET/TAP] button

When Style and MIDI Song are stopped, tapping the [RESET/TAP] button (four times for a 4/4 time signature) starts playback of the rhythm part of the Style at the tempo you tapped.

During playback of a MIDI Song, you can change the tempo by tapping the [RESET/TAP] button twice at the desired tempo.

During playback of a Style, you can rewind to the top of the section ("reset" the playback position, for stutter repeat effects) by tapping the [RESET/TAP] button. This is called "Style Section Reset."



NOTE

You can set the button behavior so that it changes the tempo instead of Section Reset, even when tapping the button during playback of a Style. The setting is made on the display called up via [MENU] →[MENU1] → Metronome Setting → 2 Tap Tempo. For details, refer to the Reference Manual on the website.

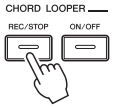
Recording and Playing Back a Chord Sequence — Chord Looper

While playing back a Style, you usually specify chords with your left hand. However, with the convenient Chord Looper function, you can record a sequence of the chords and play it back in a loop. For example, if you record a "C → F → G → C" chord progression, Style playback will continue automatically with the chords "C → F → G → C → C → F → G → C →..." Since the chords play back in a loop, you don't need to repeat the chord pattern manually anymore—letting you focus on your performance and other operations.

Loop playback a chord sequence while playing back the Style

You can record desired chord sequence instantly and loop it.

1 While playing back a Style, press the CHORD LOOPER [REC/STOP] button.



The [REC/STOP] button flashes to indicate the Chord Looper function is standby to record.
On the next measure of the Style, the [REC/STOP] button is turned on and the recording starts.

NOTE

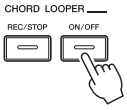
When the [REC/STOP] is turned on, the [ACMP] button is turned on automatically.

2 Enter the chords on the keyboard, according to the playback tempo of the Style.



Chord sequence is recorded until you stop recording in step 3.

3 Press the CHORD LOOPER [ON/OFF] button to stop recording and start loop playback of the chord sequence.

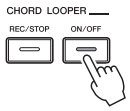


Recording stops, and the [ON/OFF] button flashes in red, and loop playback standby is entered.
On the next measure of the Style, the [ON/OFF] button lights in red, and the chord sequence recorded on step 2 will be played back in loop.

NOTE

While the chord sequence is played back, the [ACMP] button flashes, chord input from the keyboard is disabled, and the whole keyboard is only used for performance.

4 **Press the CHORD LOOPER [ON/OFF] button to stop loop playback.**



The playback of the chord sequence is stopped, and the Style will return to normal playback.

NOTE

- The [ON/OFF] button lights blue to indicate the chord sequence has been recorded and loop playback stops.
- Pressing the [ON/OFF] button starts again loop playback of the chord sequence recorded on steps 1–3.
- The CHORD LOOPER automatically turns OFF for Intros and Endings which contain their own chord progressions.

Advanced features of the Chord Looper function

You can start recording the chord sequence when Style playback is stopped, using SYNC START.
Also, you can save recorded chord sequences from the display called up via [MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Chord Looper → [ENTER].

- **Up to eight chord sequences can be memorized.**
- **You can save each chord sequence as a file individually for future recall.**

For details, refer to the Reference Manual on the website (page 7).

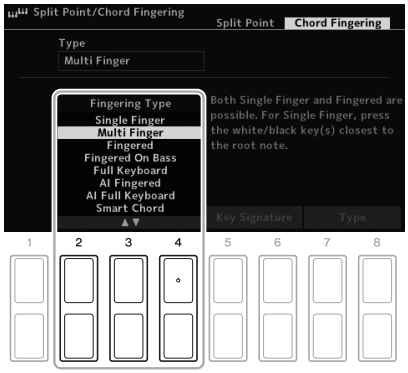
Changing the Chord Fingering Type

By changing the Chord Fingering type, you can automatically produce appropriate accompaniment even if you don't press all of the notes which comprise a chord.

1 Call up the operation display.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Split Point/Chord Fingering → [ENTER] → TAB [▶] Chord Fingering

2 Press the [2 ▲▼] – [4 ▲▼] buttons to select a Chord Fingering type.



NOTE

When the chord detection area is set to "Upper" (page 64), only the "Fingered*" type is available. This type is basically same as "Fingered," except that "1+5," "1+8" and Chord Cancel are not available.

The following types can be selected, for example.

• Single Finger

This method lets you easily play chords in the accompaniment range of the keyboard using only one, two or three fingers.



Major chord

Press the root key only.



Minor chord

Simultaneously press the root key and a black key to its left.



Seventh chord

Simultaneously press the root key and a white key to its left.



Minor seventh chord

Simultaneously press the root key and both a white and black key to its left.

• Fingered

This lets you specify the chord by pressing the notes making up a chord in the left hand section of the keyboard when [ACMP] is turned on or the LEFT part is turned on. For information on which notes to press for each chord, use the Chord Tutor function (see below) or refer to the Reference Manual on the website.

• Multi Finger

This automatically detects Single Finger or Fingered chord fingerings, so you can use either type of fingering without having to switch fingering types. By default, the Chord Fingering type is set to Multi Finger.

• AI Full Keyboard

This lets you play just about anything, anywhere on the keyboard using both hands — like conventional playing of a piano — and still have appropriate accompaniment. You don't have to worry about specifying the chords. (Depending on the song arrangement, AI Full Keyboard may not always produce appropriate accompaniment.)

For other types, refer to the Reference Manual on the website.

Using the Chord Tutor Function

With this function shown in the display, you can see which notes to press for specifying the chord. If you know a chord name but don't know how to play it, use this function. For instructions, refer to the Reference Manual on the website.

Turning Each Part of the Style On/Off

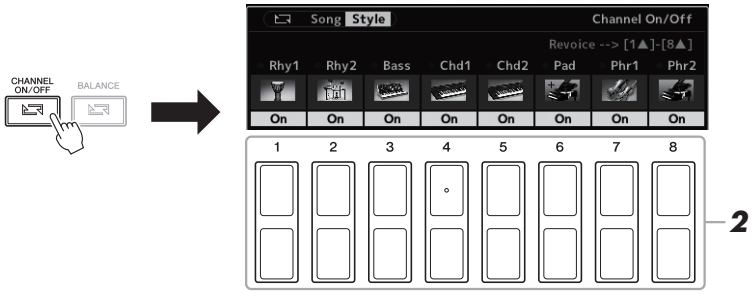
Each Style contains eight parts listed below. You can add variations and change the feeling of a Style by selectively turning parts on/off as the Style plays. To turn particular parts on/off, use the [CHANNEL ON/OFF] buttons.

Parts of the Style

- **Rhy1, 2 (Rhythm 1, 2):** These are the basic parts of the Style, containing the drum and percussion rhythm patterns.
- **Bass:** The bass part uses various appropriate instrument sounds to match the Style.
- **Chd1, 2 (Chord 1, 2):** These are rhythmic chord backing parts, commonly used with piano or guitar Voices.
- **Pad:** This part is used for sustained instruments such as strings, organ, choir, etc.
- **Phr1, 2 (Phrase1, 2):** These parts are used for punchy brass stabs, arpeggiated chords, and other extras that make the accompaniment more interesting.

1 Press the [CHANNEL ON/OFF] button repeatedly if necessary to call up the Channel On/Off (Style) display which contains the desired channel.

If the Channel On/Off (Style) display is not shown, press the [CHANNEL ON/OFF] button again.



2 Use the [1 ▼] – [8 ▼] buttons to turn the parts on or off.

To play only one part by itself, hold down the appropriate button for the channel to set the channel to Solo. To cancel Solo, simply press the appropriate channel button again.

NOTE

You can save the settings here to Registration Memory (page 97).

To change the Voice for each channel

Press one of the [1 ▲] – [8 ▲] buttons of the corresponding to the desired channel to call up the Voice Selection display (page 38), and then select the desired Voice.

3 Press the [EXIT] button to close the Channel On/Off (Style) display.

NOTE

You can also control the parts of the Style on/off for dynamic effect by using the LIVE CONTROL knobs. For instructions on how to assign the functions to the knobs, refer to page 45.

Calling up Appropriate Panel Settings for the Current Style (One Touch Setting)

One Touch Setting (OTS) is a powerful and convenient feature that automatically calls up the most appropriate panel settings (Voices or effects, etc.) for the currently selected Style, with the touch of a single button. If you've already decided which Style you wish to use, you can have One Touch Setting automatically select the appropriate Voice for you.

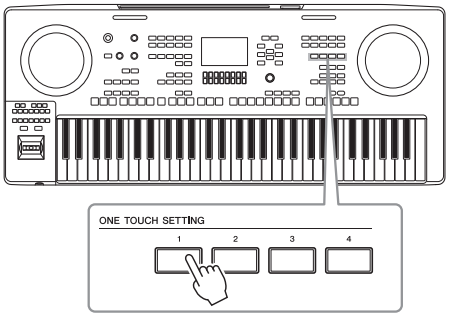
NOTE

For information on the panel settings that are called up by One Touch Setting, refer to the OTS section of "Parameter Chart" in the Data List on the website.

1 Select a Style (steps 1 – 2 on page 52).

2 Press one of the ONE TOUCH SETTING [1] – [4] buttons.

Not only does this instantly call up all the settings (Voices, effects, etc.) that match the current Style, it also automatically turns on [ACMP] and [SYNC START], so that you can immediately start playing the Style.



Confirming the One Touch Setting contents

In the Style Selection display, press the [6 ▼] (Info) button (when File is shown at the bottom right corner of the display) to call up the Information window that shows what Voices are assigned to the ONE TOUCH SETTING [1] – [4] buttons for the current Style.

NOTE

If a Voice part name (R1/R2/L) is grayed out, this indicates that the corresponding Voice part is turned off when pressing the ONE TOUCH SETTING [1] – [4] buttons.

To close the window, press one of the [7 ▲▼]/[8 ▲▼] (Close) buttons.

3 As soon as you play a chord in the chord section, the selected Style starts.

Each Style has four One Touch Setting setups. Press other ONE TOUCH SETTING [1] – [4] buttons to try out other setups.

NOTE

You can memorize original settings to One Touch Setting. For instructions, refer to the Reference Manual on the website.

Automatically changing One Touch Settings with the Main sections (OTS Link)

The convenient OTS (One Touch Setting) Link function lets you automatically have One Touch Settings change when you select a different Main section (A – D). The Main sections A, B, C and D correspond to One Touch Settings 1, 2, 3 and 4 respectively. To use the OTS Link function, turn the [OTS LINK] button on.



NOTE

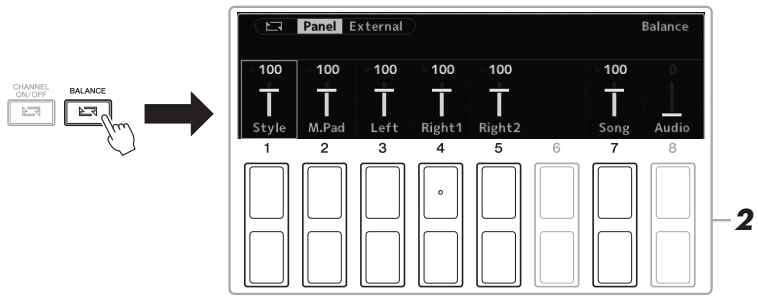
You can change the timing in which the One Touch Settings change along with MAIN VARIATION [A] – [D] changes. For instructions, refer to the Reference Manual on the website.

Adjusting the Volume Balance Among the Parts

You can adjust the volume balance among the parts (Song, Style, Left, Right1/2, Audio playback, Mic, etc.).

1 Press the [BALANCE] button once or twice to call up the desired page of the Balance display which contains the desired channel.

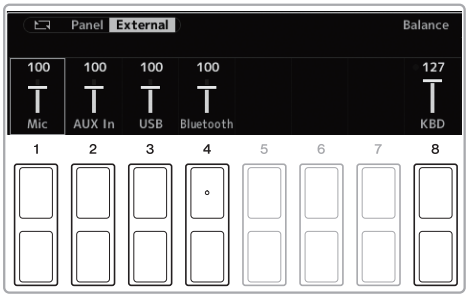
There are two pages, Panel and External.



2 Use the [1 ▲▼] – [8 ▲▼] buttons to adjust the volume of the desired parts.

In the Panel page, you can adjust the volume balance between the Song (MIDI Song, page 67), Style, M.Pad (Multi Pad, page 92), keyboard parts (Left, Right1 and Right2), and Audio via a USB Audio Player (page 84).

In the External page, you can adjust the volume balance between the sound input from the [MIC INPUT] jack (page 89), sound input from the [AUX IN] jack (page 112), USB (sound via USB cable, page 109), Bluetooth (sound via Bluetooth communication, page 113), WLAN (sound via USB wireless LAN adaptor, page 111), and all keyboard parts (KBD).



3 Press the [EXIT] button to close the Balance display.

NOTE

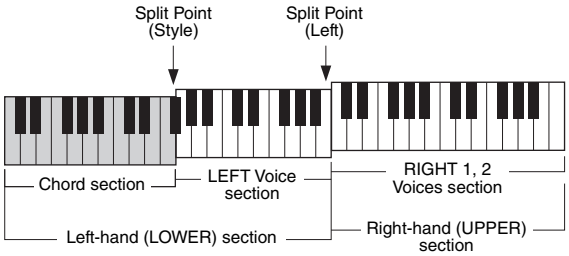
- You can also control the volume balance between the parts by using the LIVE CONTROL knobs. For instructions on how to assign the functions to the knobs, refer to page 45.
- On the Volume/Pan page of the Mixer display (page 104), you can adjust the volume for the Song and Style parts independently.

NOTE

When the UD-WL01 USB Wireless LAN adaptor (sold separately, page 111) is connected to the instrument, "WLAN" appears in the External page.

Setting the Split Point

The key which divides the keyboard into two sections is referred to as "Split Point." There are two Split Points: Split Point (Left) and Split Point (Style).

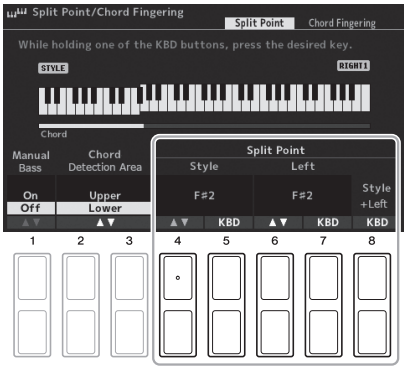


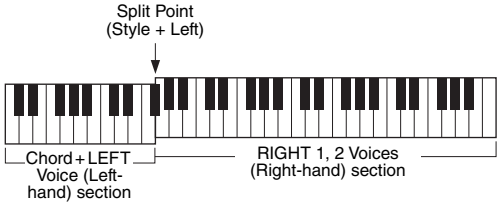
- **Split Point (Left):**
  Divides the keyboard into the left-hand (LOWER) section and the right-hand (UPPER) section.
- **Split Point (Style):**
  Divides the left-hand (LOWER) section into the Chord section and the LEFT Voice section.

1 Call up the Split Point display.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Split Point/ Chord Fingering → [ENTER] → TAB [◀] Split Point

2 Set the Split Point.



[4 ▲▼]/ [5 ▲▼]	Split Point (Style)	Sets the Split Point (Style). Press the [4 ▲▼] button or press the desired key on the keyboard while holding the [5 ▲▼] (KBD) button to specify the Split Point.
[6 ▲▼]/ [7 ▲▼]	Split Point (Left)	Sets the Split Point (Left). Press the [6 ▲▼] button or press the desired key on the keyboard while holding the [7 ▲▼] (KBD) button to specify the Split Point. **NOTE** Split Point (Left) cannot be set lower than Split Point (Style).
[8 ▲▼]	Split Point (Style + Left)	Sets Split Point (Style) and Split Point (Left) to the same note. Rotate the Data dial or press the desired key on the keyboard while holding the [8 ▲▼] (KBD) button to specify the Split Point. 

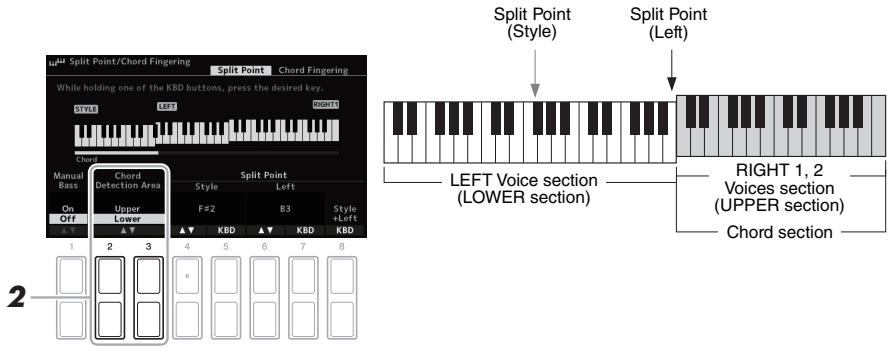
Specifying Chords with Your Right Hand while Playing Bass with Your Left Hand

By changing the chord detection area from the left-hand section to the right-hand section, you can play a bass line with your left hand while using your right hand to control Style playback.

1 Call up the Split Point display.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] → Split Point/ Chord Fingering → [ENTER] → TAB [◀] Split Point

2 Use the [2 ▲▼]/[3 ▲▼] buttons to set the Chord Detection Area value to "Upper."



With this setting, the whole right-hand (Upper) section functions as the Chord section as well as for melody performance. In this condition, note the following points:

- In the right-hand (Upper) section, you can specify the chord type as you play the melody.
- When the Manual Bass function is On, the Voice for the Bass part of the current Style is muted and assigned to the left-hand (LOWER) section. To turn this function on/off, use the [1 ▲▼] buttons.
- The Chord Fingering setting (page 59) will be set to a specific type ("Fingered*") automatically, in which case you should press three or more notes simultaneously for specifying the chord. Pressing two or less notes does not change the chord type.
- Split Point (Style) is unavailable.

NOTE

"Fingered*" is basically same as "Fingered", except that "1+5", "1+8" and Chord Cancel are not available.

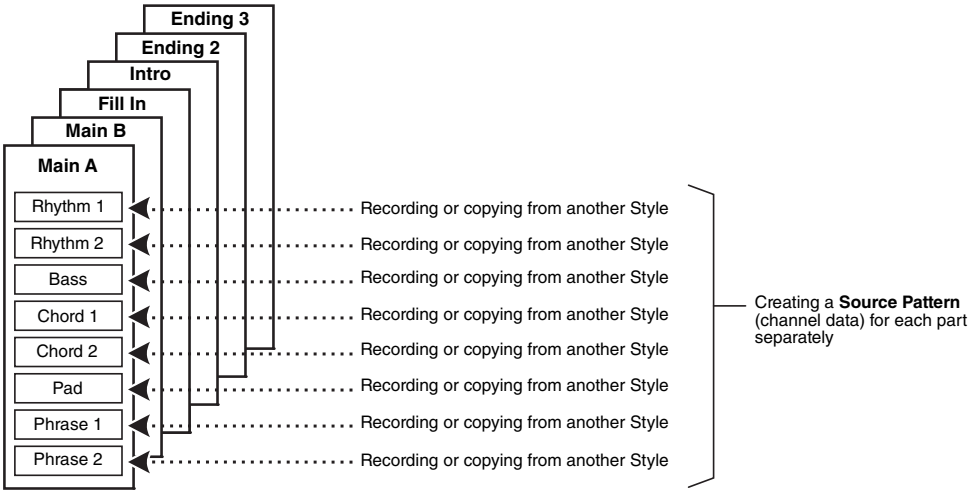
Creating/Editing Styles (Style Creator)

The Style Creator function lets you create original Styles by recording rhythm patterns from the keyboard and using already-recorded Style data. Basically, select a preset Style that is closest to the type you want to create, and then record each part (the rhythm pattern, bass line, chord backing, or phrase) for each Section.

This section gives you a brief introduction of the Style Creator function. For instructions on how to use the function, refer to the Reference Manual on the website.

Style Data Structure — Source Patterns

A Style is made up of different Sections (Intro, Main, Ending, etc.), and each Section has eight separate parts, each with recorded data (channel data), and which are referred to as "Source Patterns." With the Style Creator feature, you can create a Style by separately recording the Source Pattern for each channel, or by importing pattern data from other existing Styles.



Editing the Rhythm Part of a Style (Drum Setup)

The Rhythm parts of a preset Style consist of a preset Drum Kit, and each drum sound is assigned to a separate note. You may want to change the sounds and the note assignments, or make more detailed settings such as volume balance, effect, etc. By using the Drum Setup function of the Style Creator, you can edit the Rhythm part of a Style and save it as an original Style. For details, refer to the Reference Manual on the website.

NOTE

For information on the preset Drum Kit and the Voices, refer to the "Drum/SFX Kit List" in the Data List on the website. This list provides information on the specific sound-to-note assignments.

Advanced Features

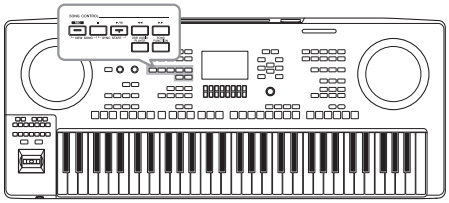
Refer to the Reference Manual on the website, **Chapter 2**.



Style playback related settings:	[MENU] → Menu1 → Style Setting → [ENTER]
Saving and calling up your custom chord sequences (Chord Looper):	[MENU] → Menu2 → Chord Looper → [ENTER]
Memorizing original One Touch Settings:	[MEMORY] + ONE TOUCH SETTING [1] – [4]
Creating/editing Styles (Style Creator):	[MENU] → Menu2 → Style Creator → [ENTER]
• Realtime Recording:	→ Basic
• Style Assembly:	→ Assembly
• Editing the rhythmic feel:	→ Groove
• Editing data for each channel:	→ Channel
• Making Style File Format settings:	→ Parameter
• Editing the rhythm part of a Style (Drum Setup)	→ Basic → 3 Rhythm Clear/ Channel Delete/ Drum Setup

3 Songs

– Playing, Practicing and Recording Songs –



For the PSR-A700, "Song" refers to the MIDI Songs which include preset songs, commercially available MIDI format files, etc. Not only can you play back a Song and listen to it, but you can also play the keyboard along with Song playback and record your own performance as a Song.

MIDI Song

A MIDI Song is comprised of your keyboard performance information and is not a recording of the actual sound itself. The performance information refers to which keys are played, at what timing, and at what strength — just as in a musical score. Based on the recorded performance information, the tone generator outputs the corresponding sound. Since MIDI Song data contains the information such as keyboard part and Voice, you can practice effectively by viewing the score, turning the particular part on or off, or changing Voices.

NOTE

For instructions on playback and recording of audio files, refer to page 84.

Playback of Songs

You can play back the following types of Songs.

- Preset Songs (in the Preset tab of the Song Selection display)
- Your own recorded Songs (page 74)
- Commercially available Song data: SMF (Standard MIDI File)

NOTE

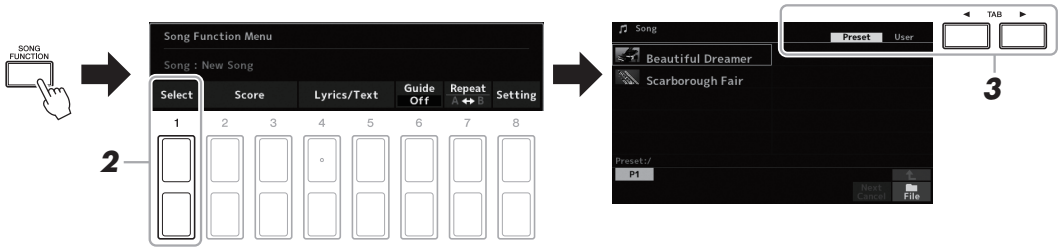
For information on compatible data formats, refer to page 8.

If you want to play back a Song in a USB flash drive, connect the USB flash drive containing the Song data to the USB [TO DEVICE] terminal beforehand.

NOTE

Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

1 Press the [SONG FUNCTION] button to call up the Song Function Menu display.



2 Press one of the [1 ▲▼] (Select) buttons in the Song Function Menu to call up the Song Selection display.

NOTE

You can quickly call up the Song Selection display by pressing the [DIRECT ACCESS] button, followed by the [SONG FUNCTION] button.

NEXT PAGE

3 Use the TAB [◀][▶] buttons to select the location of the desired Song.

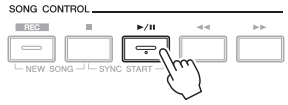
- **Preset tab** .....Preset Songs are shown.
- **User tab**.....Recorded or edited Songs which are saved on the User drive are shown.
- **USB tab**.....Songs which are saved on the USB flash drive are shown. This appears only when a USB flash drive is connected to the USB [TO DEVICE] terminal.

4 Move the cursor to the desired Song by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

5 Press the SONG CONTROL [▶/❚❚] (PLAY/PAUSE) button to start playback.

NOTE

You can transpose the Song playback (page 43).



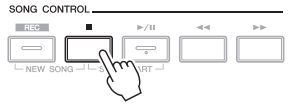
Queuing the next Song for playback

While a Song is playing back, you can queue up the next Song for playback. This is convenient for chaining it to the next Song smoothly during live performance. Select the Song you want to play next in the Song Selection display, while a Song is playing back. The "Next" indication appears at the upper right of the corresponding Song name. To cancel this setting, press the [7 ▼] (Next Cancel) button.

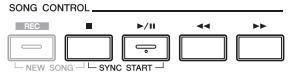
NOTE

Make sure that File is shown at the bottom right corner of the display (page 26).

6 Press the SONG CONTROL [■] (STOP) button to stop playback.



Playback-related Operations



- **Synchro Start** .....You can start playback as soon as you play the keyboard. While playback is stopped, hold down the SONG CONTROL [■] (STOP) button and press the [▶/❚❚] (PLAY/PAUSE) button. The [▶/❚❚] (PLAY/PAUSE) button flashes, indicating standby status. You can start playback as soon as you play the keyboard. To cancel the Synchro Start function, press the [■] (STOP) button.
- **Pause** .....Press the [▶/❚❚] (PLAY/PAUSE) button during playback. Pressing it again resumes Song playback from the current position.
- **Rewind/Fast Forward** .....Press the [◀◀] (REW) or [▶▶] (FF) button during playback or while the Song is stopped. Pressing either of them once moves back/forward one measure. Holding either of them scrolls backward/forward continuously.

NOTE

- You can adjust the volume balance between the Song and keyboard (page 62). On the Volume/Pan page of the Mixer display (page 104), you can adjust the volume for each Song channel.
- You can also adjust the volume balance between the Song and an audio file (page 62).

NOTE

You can also turn specific part(s) on or off (page 71).

Pressing the [◀◀] (REW) or [▶▶] (FF) button calls up a pop-up display showing the current measure number (or Phrase Mark number).
While the Song Position pop-up is shown on the display, you can also use the Data dial to adjust the value.

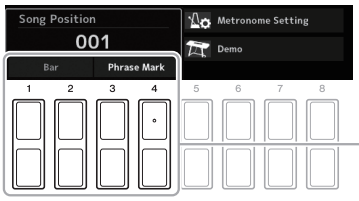
NOTE

Phrase Mark is a pre-programmed marker in certain Song data, which indicates a specific location in the Song.

For Songs not containing Phrase Marks



For Songs containing Phrase Marks



To change the units used in rewinding/fast-forwarding the Song from "Bar" to "Phrase Mark", press one of the [3 ▲▼]/[4 ▲▼] buttons. To rewind/fast forward it in "Bar" units again, press one of the [1 ▲▼]/[2 ▲▼] buttons.

- **Fading In/Out** .....Same procedure as with Style. See page 56.
- **Adjusting the Tempo**
  .....Same procedure as with Style tempo. See page 56.

Displaying Music Notation (Score)

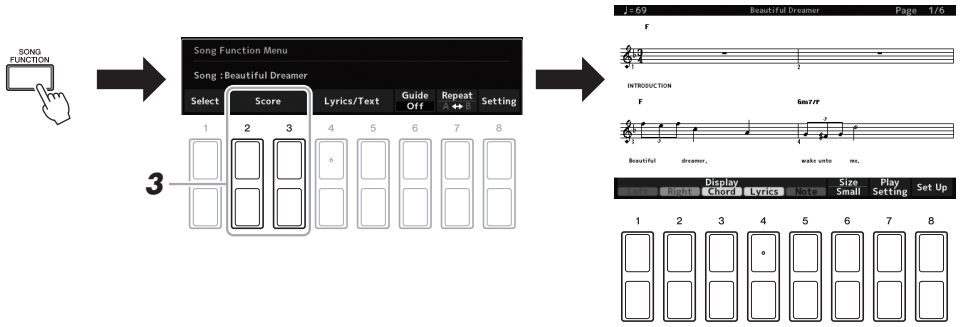
You can view the music notation (score) of the selected Song.

NOTE

This instrument can display the music notation of your recorded Song, or commercially available MIDI files (only those which allow devices to indicate notation).

1 Select a Song (steps 1 – 4 on page 67).

2 Press the [SONG FUNCTION] button to call up the Song Function Menu display.



3 Press one of the [2 ▲▼]/[3 ▲▼] (Score) buttons to call up the Score display.

You can look through the entire notation by using the TAB [◀][▶] buttons when the Song playback is stopped. When playback is started, the "ball" bounces along through the score, indicating the current position.

You can change the displayed notation style by using the [1 ▲▼] – [8 ▲▼] buttons. For details, refer to the Reference Manual on the website.

NOTE

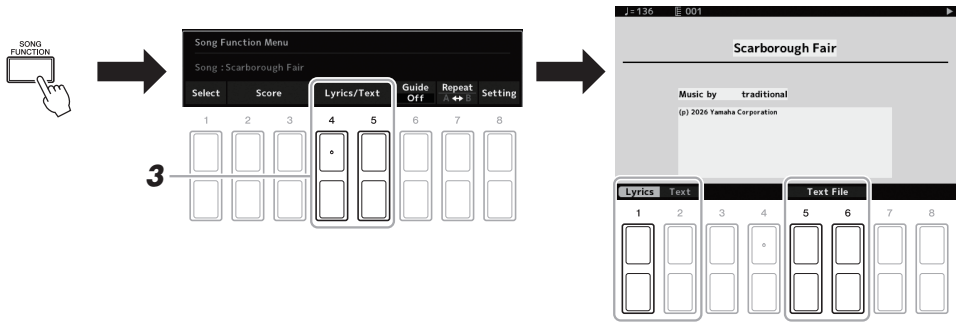
The displayed notation is generated by the instrument based on the Song data. As a result, it may not be exactly the same as commercially available sheet music of the same song — especially when displaying notation of complicated passages or many short notes.

Displaying Lyrics/Text

When the selected Song contains lyrics data, you can view it on the instrument's display. Even if the Song does not contain lyrics data, you can view the lyrics on the display by loading the text file (.txt) created on a computer via USB flash drive. Text display allows for a variety of useful and convenient possibilities, such as the showing of lyrics, chord charts, and performance notes.

1 **Select a Song (steps 1 – 4 on page 67).**

2 **Press the [SONG FUNCTION] button to call up the Song Function Menu display.**



3 **Press the [4 ▲▼]/[5 ▲▼] (Lyrics/Text) button to call up the Lyrics/Text display.**

You can switch between the Lyrics display and the Text display by using the [1 ▲▼]/[2 ▲▼] buttons.

When the Song data contains lyrics data, the lyrics are shown on the Lyrics display. You can look through the entire lyrics by using the TAB [◀][▶] buttons when Song playback is stopped. When playback is started, the color of the lyrics changes, indicating the current position.

To view the text file on the Text display, press one of the [5 ▲▼]/[6 ▲▼] (Text File) buttons to call up the File Selection display and select the desired file created on your computer.

For more information about the Lyrics (Text) display, refer to the Reference Manual on the website.

NOTE

When the lyrics are garbled or unreadable, you may need to change the Lyrics Language setting: [MENU] → Menu1 → Song Setting → [ENTER] → Setting → 2 Lyrics Language.

NOTE

Information about Text File selection can be memorized to the Registration Memory (page 97).

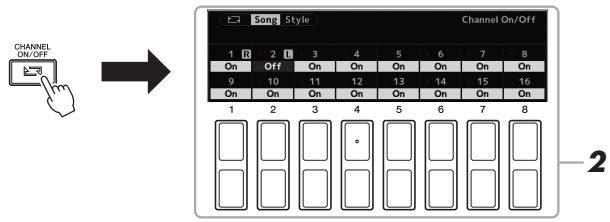
NOTE

You can turn to the next/previous text page by assigning the function to the foot pedal: [MENU] → Menu1 → Controller → [ENTER] → Foot Pedal

Turning Each Channel of the Song On/Off

A Song consists of 16 separate parts (16 separate channels). You can independently turn each channel of the selected Song playback on or off.

1 **Press the [CHANNEL ON/OFF] button several times to call up the Channel On/Off (Song) display.**



2 **Use the [1 ▲▼] – [8 ▲▼] buttons to turn each channel on or off.**

If you want to play back only one particular channel (solo playback), hold down one of the [1 ▲▼] – [8 ▲▼] buttons to set the desired channel to Solo. Only the selected channel is turned on and others are off. To cancel solo playback, press the same button again.

3 **Press the [EXIT] button to close the Channel On/Off (Song) display.**

NOTE

Each part of a MIDI Song can be recorded with a different channel number (Ch. 1 – Ch. 16). Because of this format, the performance information of each part remains separate and is not mixed — even though all parts will be saved as one track. This channel number is referred to as "MIDI Channel."

NOTE

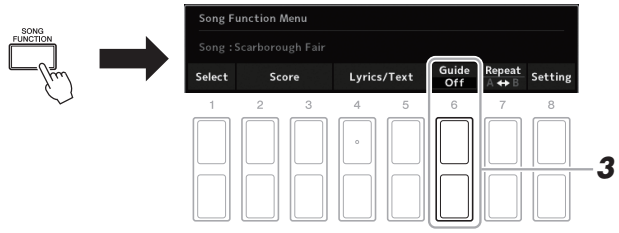
Usually, each part is assigned to the following channels.
Channel 1 – 3: keyboard parts (RIGHT 1, LEFT, RIGHT 2)
Channel 5 – 8: Multi Pad parts
Channel 9 – 16: Style parts

One-handed Practice with the Guide Function

You can mute the right-hand part for practicing that part on your own. The explanations here apply when you practice the right-hand part with "Follow Lights" of the Guide functions. You can also practice at your own pace — since the accompaniment waits for you to play the notes correctly. In the Score display, you can see the note to play and the current position.

1 **Select a Song and call up the Score display (page 69).**

2 **Press the [SONG FUNCTION] button to call up the Song Function Menu display.**



3 **Use the [6 ▲▼] (Guide) buttons to turn the Guide function on.**

4 **Press the [CHANNEL ON/OFF] button several times to call up the Channel On/Off (Song) display.**

5 **Press the [1 ▲] button to turn Channel 1 (RIGHT 1 part) off.**

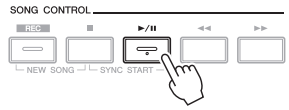
If necessary, press the [3 ▲] button to turn the Channel 3 (RIGHT 2 part) off. You can now play that part by yourself.

NOTE

Usually, the LEFT part is assigned to Channel 2.

NEXT PAGE

6 Press the SONG CONTROL [▶/❚❚] (PLAY/PAUSE) button to start playback.



Practice the muted part while viewing the Score display. The playback of the left and extra parts will wait for you to play the notes correctly.

7 Press the [SONG FUNCTION] button to call up the Song Function Menu display, and then press the [6 ▲▼] (Guide) button to turn the Guide function off after your practice.

Other Guide functions

In addition to the "Follow Lights" function explained above, there are more functions in the Guide features, for practicing the timing of playing the keys (Any Key), for Karaoke or for practicing a song at your own pace (Your Tempo).

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Song Setting → [ENTER] → TAB [▶] Setting → Cursor button [▲] 1 Guide Mode

For more information, refer to the Reference Manual on the website.

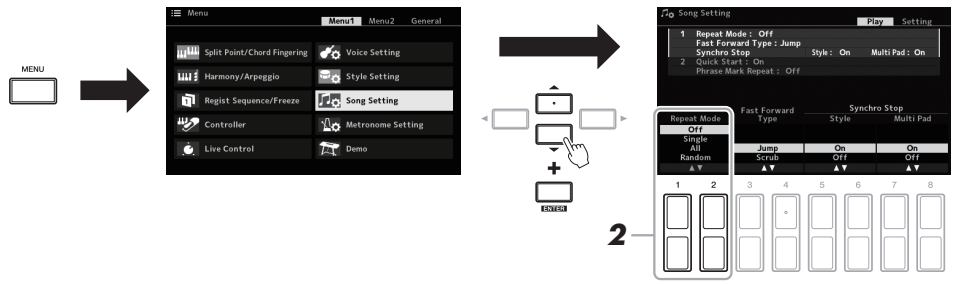
Repeat Playback

The Song Repeat functions can be used to repeatedly play back a Song, multiple Songs, or a specific range of measures in a Song.

Selecting the Repeat Mode for Song playback

1 Call up the operation display.

[MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Song Setting → [ENTER] → TAB [◀] Play → Cursor button [▲] 1 Repeat Mode



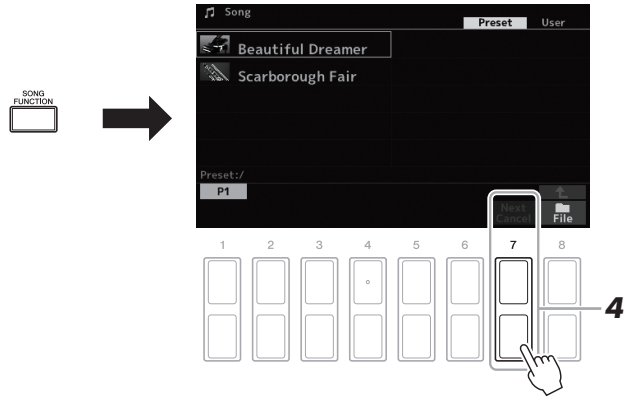
2 Use the [1 ▲▼]/[2 ▲▼] (Repeat Mode) buttons to determine the method of repeat playback.

- **Off**.....Plays through the selected Song, and then stops.
- **Single**.....Plays through the selected Song repeatedly.
- **All**.....Continues playback through all the Songs in the specified folder repeatedly.
- **Random**.....Continues playback at random through all the Songs in the specified folder repeatedly.

Specifying a Range of Measures and Playing them Back Repeatedly (A-B Repeat)

1 **Select a Song (steps 1 – 4 on page 67).**

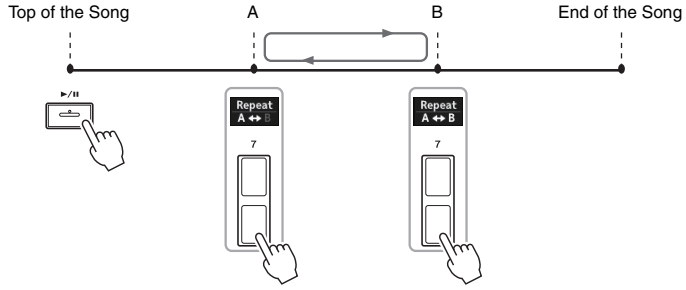
2 **Press the [SONG FUNCTION] button to call up the Song Function Menu display.**



3 **Press the SONG CONTROL [▶/❚❚] (PLAY/PAUSE) button to start playback.**

4 **Specify the repeat range.**

Press one of the [7 ▲▼] (A-B) buttons at the starting point (A) of the range to be repeated. Press one of the [7 ▲▼] (A-B) buttons again at the ending point (B). After an automatic lead-in (to help guide you into the phrase), the range from Point A to Point B is played back repeatedly.



5 **To stop playback, press the SONG CONTROL [■] (STOP) button.**

The Song position returns to Point A and pressing the [▶/❚❚] (PLAY/PAUSE) button lets you start from that point.

After you've finished practicing, press one of the [7 ▲▼] (A-B) buttons to turn off Repeat playback.

NOTE

Specifying only Point A results in repeat playback between Point A and the end of the Song.

NOTE

When you want to repeat from the top of the Song to a specified point in the middle:

1 Press one of the [7 ▲▼] (A-B) buttons, and then start Song playback.

2 Press one of the [7 ▲▼] (A-B) buttons again at the ending point (B).

Specifying the repeat range while Songs are stopped

1. Fast-forward the Song to Point A by using the SONG CONTROL [▶▶] (FF) button, and then press one of the [7 ▲▼] (A-B) buttons.
2. Fast-forward the Song to Point B, and then press one of the [7 ▲▼] (A-B) buttons again.

Recording Your Performance

You can record your performance and save it as a MIDI file (SMF format 0) to the User drive or USB flash drive. Since the recorded data is MIDI, you can easily edit your Songs.

NOTE

Audio data such as the rhythm channels created via the audio data of Audio Link Multi Pad (page 94) and audio files (page 84) cannot be recorded to the MIDI Songs.

MIDI recording

With this method, recorded performances are saved to the User memory of the instrument or a USB flash drive as an SMF (format 0) MIDI file. If you want to re-record a specific section or change Voices and edit other parameters, use this method. Also, if you want to record your performance to each channel one by one, execute Multi Track Recording of the MIDI recording method. Since a MIDI Song can be re-recorded as an audio file after recording (page 87), you may want to use MIDI recording (with overdubbing and multiple parts) to first create a complex arrangement you would not otherwise be able to play live. This instrument allows you to record approximately 1MB per Song.

Two recording methods are available:

- **Quick Recording .....See section below.**
  You can record all parts of your performance at once without changing the channel/part assignment. Or you can record a particular part separately (right-hand, left-hand or Style playback).
- **Multi Track Recording .....page 76**
  You can record data to each part one-by-one over a different channel number, to create a single, multi-part Song. The channel/part assignments can be freely changed.

Audio recording

With this method, recorded performances are saved to a USB flash drive as Audio files (WAV format/44.1kHz/16-bit/stereo). For instructions on Audio recording, refer to page 87.

Quick Recording

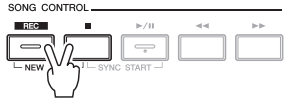
With this recording, each part will be recorded as the following channels.

- **Keyboard parts:** channels 1 – 3
- **Multi Pad parts:** channels 5 – 8
- **Style parts:** channels 9 – 16

1 Before recording, make the necessary settings, such as Voice/Style selection.

2 Press the SONG CONTROL [REC] button and the [■] (STOP) button simultaneously.

A blank Song for recording is automatically set, and the Song name on the Main display (page 20) is set to "NewSong."

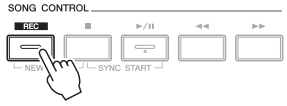


3 Press the [REC] button.

The [REC] and [▶/❚❚] (PLAY/PAUSE) buttons flash, indicating the standby status.

NOTE

To cancel the recording, press the [■] (STOP) button before going on to step 4.



NEXT PAGE

4 Start recording.

You can start recording by playing the keyboard, starting a Style, playing a Multi Pad or pressing the SONG CONTROL [▶/❚❚] (PLAY/PAUSE) button.



NOTE

You can use the metronome (page 42) while recording; however, the metronome sound will not be recorded.

5 After you finish your performance, press the [■] (STOP) or [REC] button to stop recording.

A message may appear prompting you to save the recorded data. Press the [EXIT] button to close the message.



6 Save the recorded performance as a Song.

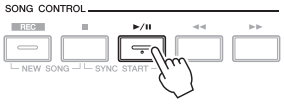
NOTICE

The recorded Song will be lost if you change to another Song or you turn the power off without carrying out the Save operation.

6-1 Press the [SONG FUNCTION] button to call up the Song Function Menu display, and then press one of the [1 ▲▼] (Select) buttons to call up the Song Selection display.

6-2 Save the recorded data as a file by following the instructions on page 28.

7 Press the [▶/❚❚] (PLAY/PAUSE) button to play back the recorded performance.



Recording each part individually (Multi Track Recording)

You can create a Song consisting of 16 channels by recording your performance to each part one-by-one over a different channel number. In recording a piano piece, for example, you can record the right-hand part as channel 1 then record the left-hand part as channel 2, allowing you to create a complete piece which may be difficult to play live with both hands together. To record a performance with Style playback, for example, record the Style playback as channels 9 – 16, and then record melodies as channel 1 while listening to the already recorded Style playback. In this way, you can create an entire Song which would otherwise be difficult, or even impossible, to play live.

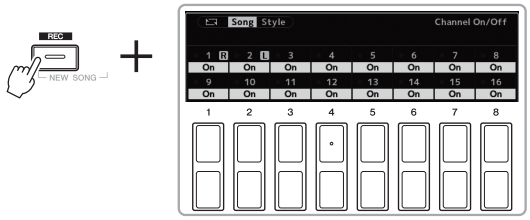
1 **Before recording, make the necessary settings, such as Voice/Style selection.**

2 **Press the SONG CONTROL [REC] button and the [■] (STOP) button simultaneously.**

A blank Song for recording is automatically set, and the Song name on the Main display (page 20) is set to "NewSong."

3 **While holding down the [REC] button, press the appropriate [1 ▲▼] – [8 ▲▼] buttons to set the desired channels to "Rec."**

To cancel the REC status of the channel, press the desired channel button.



4 **While the following window is shown, use the Data dial or [+/YES]/[-/NO] button to change the part assignment for the channel to be recorded.**



5 **Start recording.**

You can start recording by playing the keyboard, starting a Style, playing a Multi Pad or pressing the SONG CONTROL [▶/❚❚] (PLAY/PAUSE) button.



6 **After you finish your performance, press the [■] (STOP) button to stop recording.**

A message may appear prompting you to save the recorded data. Press the [EXIT] button to close the message.

7 **Press the [▶/❚❚] (PLAY/PAUSE) button to play back the recorded performance.**

NOTE

Each part of a MIDI Song can be recorded with a different channel number (Ch. 1 – Ch. 16). Because of this format, the performance information of each part remains separate and is not mixed — even though all parts will be saved as one track. This channel number is referred to as "MIDI Channel."

NOTE

To cancel the recording, press the [■] (STOP) button before going on to step 5.

8 **Record your performance to another channel by repeating steps 3 to 6 above.**

9 **Save the recorded performance as a Song.**

9-1 Press the [SONG FUNCTION] button to call up the Song Function Menu display, and then press the [1 ▲▼] (Select) button to call up the Song Selection display.

9-2 Save the recorded data as a file by following the instructions on page 28, steps 1 – 5.

NOTE

The Style Retrigger function (page 45) cannot be used when you are overdubbing to a recorded Song.

NOTICE

The recorded Song will be lost if you change to another Song or you turn the power off without carrying out the Save operation.

Advanced Features

Refer to the Reference Manual on the website, **Chapter 3.**

Editing Music Notation settings:	[SONG FUNCTION] → [2 ▲▼]/[3 ▲▼] (Score) → [1 ▲▼] – [8 ▲▼] buttons
Editing Lyrics/Text display settings:	[SONG FUNCTION] → [4 ▲▼]/[5 ▲▼] (Lyrics/Text) → [1 ▲▼] – [8 ▲▼] buttons
Using the Auto Accompaniment features with Song Playback:	[ACMP] → STYLE CONTROL [SYNC START] → SONG CONTROL [■] + [▶/❚❚] → STYLE CONTROL [START/STOP]
Song Playback related parameters:	[MENU] → Menu1 → Song Setting → [ENTER]
• Keyboard and vocal practice using the Guide function:	→ TAB [▶] Setting → Cursor buttons [▲] 1 Guide Mode
Editing Songs (Song Creator):	[MENU] → Menu2 → Song Creator → [ENTER]
• Selecting the setup parameters recorded to the top position of the Song	→ Setup
• Re-recording a specific section — Punch In/Out:	→ Rec Mode
• Editing channel events:	→ Channel

4 Selecting and/or Creating a Temperament (Scale Tune)

You can change the temperament of the instrument to fit the music you want to play. The operation display can be called up via [MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Scale Tune → [ENTER].

Basic Structure of Scale Tune

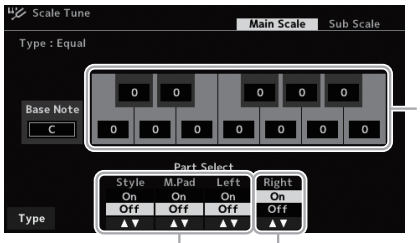
There are two ways to change the temperament; Main Scale and Sub Scale.

- **Main Scale:**
  Sets the basic scale of the instrument. You can choose from an existing scale type or adjust it manually.
- **Sub Scale:**
  Temporarily changes the scale only while the Sub Scale is enabled (e.g., when selected by pressing one of the SCALE TUNE MEMORY [1]–[5] buttons). This lets you temporarily set a Scale Tune setting (which is different from the Main Scale setting) to the desired parts. This setting takes priority over the Main Scale setting, regarding the parts turned on at the Part Select section on the display. You can manually adjust the setting that can be memorized to the SCALE TUNE MEMORY [1]–[5] buttons.

  You can enable/disable the Sub Scale by turning on/off the SCALE TUNE SETTING [C]–[B] buttons for each pitch name and/or the SCALE TUNE MEMORY [1]–[5] buttons..

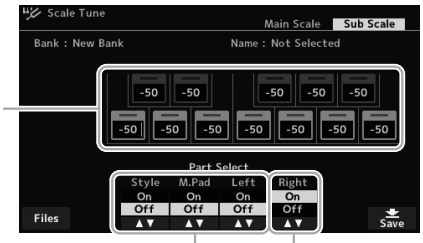
  For which settings are applied to each part depending on the settings at the Part Select section on the display, see the examples below.

MAIN



The tuning of each pitch name.

Sub



No Scale Tune settings are applied to these parts.

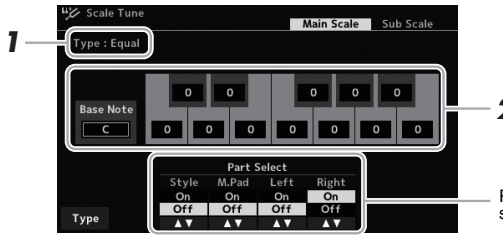
The Main Scale settings are applied to this part (set to On).

The Main Scale Tune settings are applied to these parts.

When the Sub Scale is enabled by the SCALE TUNE SETTING [C]-[B] buttons and/or the SCALE TUNE MEMORY [1]-[5] buttons, the Sub Scale settings are applied to this part (set to On).

Selecting or Creating a Temperament from the Preset Types (Main Scale)

You can select various scales for playing in custom tunings for specific historical periods or music genres.



1 Select the desired Scale type (temperament).

Type	• **Equal:** The pitch range of each octave is divided equally into twelve parts, with each half-step evenly spaced in pitch. This is the most commonly used tuning in music today. • **Pure Major, Pure Minor:** These tunings preserve the pure mathematical intervals of each scale, especially for triad chords (root, third, fifth). You can hear this best in actual vocal harmonies— such as choirs and a cappella singing. • **Pythagorean:** This scale was devised by the famous Greek philosopher and is created from a series of perfect fifths, which are collapsed into a single octave. The 3rd in this tuning is slightly unstable, but the 4th and 5th are beautiful and suitable for some leads. • **Mean-Tone:** This scale was created as an improvement on the Pythagorean scale, by making the major third interval more "in tune." It was especially popular from the 16th century to the 18th century. Handel, among others, used this scale. • **Werckmeister, Kirnberger:** This composite scale combines the Werckmeister and Kirnberger systems, which were themselves improvements on the mean-tone and Pythagorean scales. The main feature of this scale is that each key has its own unique character. The scale was used extensively during the time of Bach and Beethoven, and even now it is often used when performing period music on the harpsichord. • **Bayati, Rast, Rast Jaharka, Rast Nawa, Rast Hosseini** Use these tunings when playing Arabic music.

2 Change the following settings as necessary.

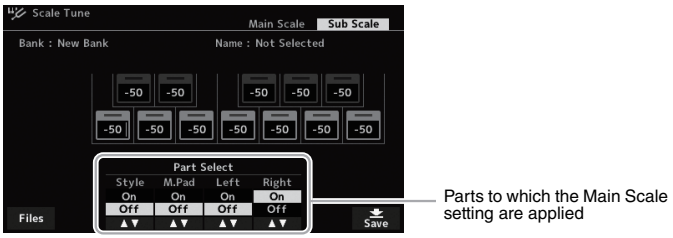
Base Note	Determines the base note for each scale. When the base note is changed, the pitch of the keyboard is transposed, yet maintains the original pitch relationship between the notes.
Tune	Select the desired key of the keyboard illustration on the display, and then tune it in cents. ***NOTE*** In musical terms a "cent" is 1/100th of a semitone. (100 cents equal one semitone.)
Bypass	Turning this on with the [BYPASS] button disables all the Scale Tune settings temporarily. This lets you hear the sound for comparison purposes.
Parts Select (Left, Right 1, etc.)	Set the part to which the Main Scale setting is applied.

Creating and Using a Temperament (Sub Scale)

You can create your own scales using the Sub Scale setting. This setting, when being edited, takes priority over the Main Scale setting. The setting is effective while the Sub Scale is enabled.

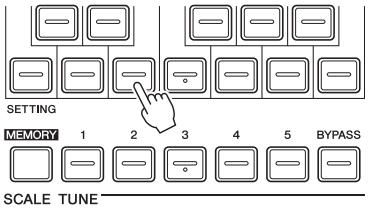
1 Call up the Scale Tune display and select the Sub Scale tab.

[MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Scale Tune → [ENTER] → TAB [▶] Sub Scale.



The Sub Scale setting is applied to the parts set to on at the Part Select section on the display. Even if the Sub Scale is selected, the Main Scale setting is applied to the parts which are not set to on in the Sub Scale display but set to on in the Main Scale display.

2 Change the following settings.

Tune	 You can easily lower the pitches of the desired note by 50 cents. Pressing the SCALE TUNE SETTING [C]-[B] buttons lets you determine whether the tune setting is applied to each pitch or not.
Bypass	Pressing the [BYPASS] button disables all the Scale Tune settings temporarily. This lets you hear the sound for comparison purposes.
Parts Select (Left, Right, etc.)	Setting this to on the part to which the Sub Scale setting is applied.

If you return to the home display in this condition, the Sub Scale setting remains enabled.

3 To stop using the Sub Scale setting, press the TAB [◀] button to select the Main Scale tab.

NOTE

The Sub Scale setting is also disabled and reset to default when the power of instrument is turned off.

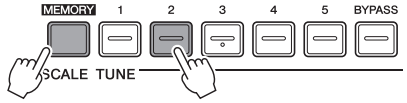
NOTE

You can enable/disable the Sub Scale setting and make the Sub Scale setting quickly, using the function "Scale Tune Quick Setting," which can be assigned to foot pedals. For details, refer to the Reference Manual on the website.

Memorizing the Sub Scale Setting

The Sub Scale setting you make on the Sub Scale display can be memorized to the SCALE TUNE MEMORY buttons for instant recall.

1 **While pressing the SCALE TUNE MEMORY [MEMORY] button, press one of the SCALE TUNE MEMORY [1]–[5] buttons (the desired one for memorizing the Sub Scale setting).**



The corresponding SCALE TUNE MEMORY button lights. Any data that was previously in the selected location is erased and replaced by the new Sub Scale setting.

NOTE

The data memorized are the name, on/off, tuning values and enabled parts of Sub Scale Tune.

About the lamp status of the [1]–[5] buttons

- **On:** Data registered and currently selected
- **Off:** No data registered, or not currently selected

NOTE

The [BYPASS] button lights up when Bypass is on.

2 **Memorize the Sub Scale settings to the other buttons by repeating steps 1 and 2.**

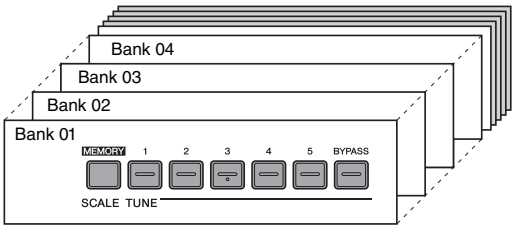
The memorized Sub Scale settings can be recalled by simply pressing the desired number button.

NOTICE

The scale settings memorized to the numbered button will be lost if you turn the power to the instrument off without carrying out the Save operation.

Saving the Scale Tune Memory as a Bank File

The Sub Scale settings memorized to the SCALE TUNE MEMORY [1]–[5] buttons can be saved as a single Scale Tune Memory Bank file.



1 Call up the Scale Tune display and select the Sub Scale tab.

[MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Scale Tune → [ENTER] → TAB [▶] Sub Scale.

2 Make sure the Sub Scale settings you want to save are memorized to the SCALE TUNE MEMORY [1]–[5] buttons.

3 Press the [8 ▲] or [8 ▼] button to save the Bank file.

For instructions on saving, refer to “File Management” (page 27).

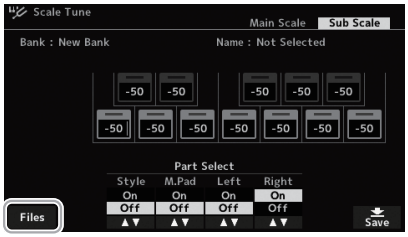
Recalling a Memorized Sub Scale Setting

The memorized Sub Scale settings can be recalled by selecting the Scale Tune Memory Bank file as described below.

1 Call up the Scale Tune display and select the Sub Scale tab.

[MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Scale Tune → [ENTER] → TAB [▶] Sub Scale.

2 Press the [1 ▲] or [1 ▼] button to call up the pop-up window.



3 Select the desired Bank on the display.

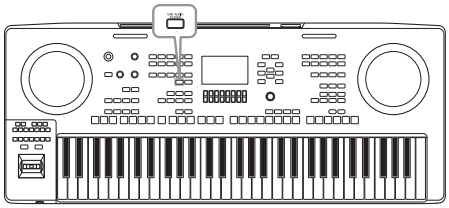
For instructions about file operations, refer to "File Management" (page 27)

4 Select the desired Sub Scale setting.

You can also use the SCALE TUNE MEMORY [1]–[5] buttons to select the Sub Scale setting.

5 USB Audio Player/Recorder

– Recording and Playing Audio Files –



The convenient USB Audio Player/Recorder function allows you to play back audio files (WAV) saved to a USB flash drive — directly from the instrument. Moreover, since you can record your performances and recordings as audio files (WAV) to a USB flash drive, it is possible to play back the files on computer, share them with your friends, and record your own CDs to enjoy as well.

NOTE

- For instructions on playback and recording of MIDI files, refer to page 67.
- If you want to record various parts separately or edit the data after recording on this instrument, record as MIDI files (page 74).

Playing Back Audio Files

You can play back audio files of WAV format (44.1 kHz sample rate, 16 bit resolution, stereo) that have been saved to the USB flash drive.

NOTE

DRM (Digital Rights Management) protected files cannot be played back.

NOTE

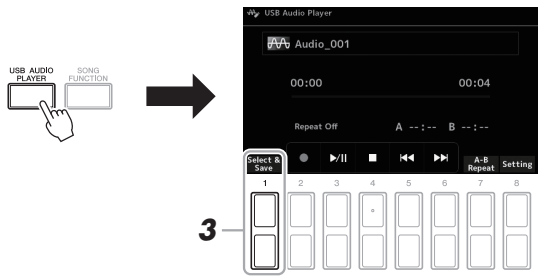
Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

NOTE

While selecting the desired audio file in the Audio Link Multi Pad function (step 5 on page 94), the [USB AUDIO PLAYER] button does not function.

1 Connect the USB flash drive containing the audio files to the USB [TO DEVICE] terminal.

2 Press the [USB AUDIO PLAYER] button to call up the USB Audio Player display.



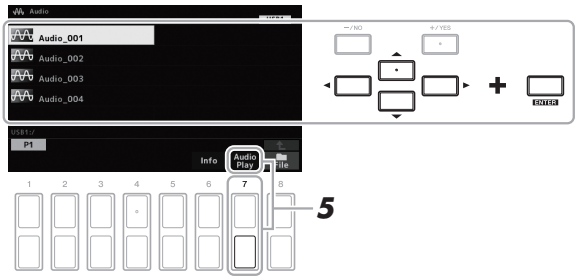
3 Press one of the [1 ▲▼] (Select&Save) buttons to call up the Audio File Selection display.

NEXT PAGE

4 **Move the cursor to the desired file by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.**

NOTE

Audio files take a slightly longer time to load than other files.



Viewing Audio file information

Pressing the [6 ▼] (Info) button calls up the Information window from which you can view the file name, sample rate etc. of the selected file.

NOTE

Make sure that File is shown at the bottom right corner of the display (page 26).

To close the window, use the [7 ▲▼]/[8 ▲▼] (OK) buttons.

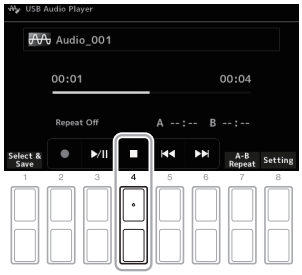
5 **Press the [7 ▼] (AUDIO PLAY) button to start playback.**

The display automatically returns to the USB Audio Player display.

NOTE

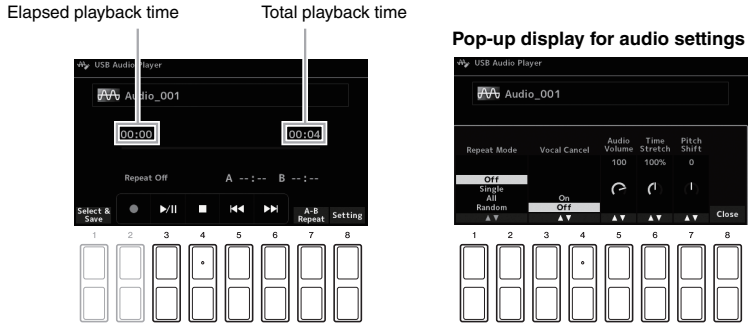
Make sure that File is shown at the bottom right corner of the display (page 26).

6 **To stop playback, press the [4 ▲▼] (Stop) button.**



NOTICE

Never attempt to disconnect the USB flash drive or turn the power off during playback. Doing so may corrupt the USB flash drive data.



[3 ▲▼]	Play/Pause	Starts or pauses playback at the current position.
[4 ▲▼]	Stop	Stops playback.
[5 ▲▼]	Prev	Pressing this changes the file to the previous one; holding it moves continuously back through the current file (in seconds).
[6 ▲▼]	Next	Pressing this changes the file to the next one; holding it moves continuously forward through the current file (in seconds).
[7 ▲▼]	A-B Repeat	See below.
[8 ▲▼]	Setting	Pressing this calls up the pop-up display for audio settings. You can set detailed parameters for audio playback here, such as Volume, Vocal Cancel, Time Stretch, and Pitch Shift. To close this, press the [8 ▲▼] (Close) buttons.

A-B Repeat Playback

The specified section (between the A and B points) can be played back repeatedly.

1. To set the A point, press the [7 ▲▼] (A↔B) buttons when playback reaches to the desired point.
   The time set as the A point is shown at "A [--:--]" in the display, and is indicated by the first wedge mark in the playback progress bar.
2. To set the B point, press the [7 ▲▼] (A↔B) buttons again when playback reaches to the desired point.
   The time set as the B point is shown at "B [--:--]" in the display, and is indicated by the second wedge mark in the playback progress bar.

   The specified A-B section of the audio file will now play back repeatedly.
3. To cancel Repeat playback, press the [7 ▲▼] (A↔B) buttons again.

Repeat Playback mode

Press the [8 ▲▼] (Setting) buttons to call up the pop-up display for audio setting, and then use the [1 ▲▼]/[2 ▲▼] buttons to select the REPEAT MODE.

- **Off (** Repeat Off **)**.....Plays through the selected file, and then stops.
- **Single (** **)**.....Plays through the selected file repeatedly.
- **All (** **)** .....Continues playback through all the files in the current folder repeatedly.
- **Random** ( )**)**.....Randomly and repeatedly plays back all files in the current folder.

Adjusting the volume of audio playback

To adjust the volume, press the [8 ▲▼] (Setting) buttons to call up the pop-up display for audio settings, and then use the [5 ▲▼] (Audio Volume) buttons.

Adjusting the Volume Balance Between the Song (MIDI) and Audio playback

You can set this from the balance setting display (page 62).

Canceling the Vocal Part and Playing the Part with Backing (Vocal Cancel)

This lets you cancel or attenuate the center position of the stereo sound. This lets you sing "karaoke" style with just instrumental backing, since the vocal sound is usually at the center of the stereo image in most recordings.

To turn Vocal Cancel on, after selecting an Audio file, press the [8 ▲▼] (Setting) buttons, and then use the [3 ▲▼]/[4 ▲▼] (Vocal Cancel) buttons. If you select another audio file, this setting will be switched to off.

NOTE

- Though the Vocal Cancel function is highly effective on most audio recordings, the vocal sound on some songs may not be completely cancelled.
- Vocal cancel does not affect the Audio Input Sound (page 109 – 112) from external devices.

Adjusting the Playback Speed (Time Stretch)

These let you adjust the playback speed of an Audio file by stretching or compressing it. The value can be adjusted from 75% to 125% and the default value is 100%. Higher values result in a faster tempo.

To adjust the playback speed, press the [8 ▲▼] (Setting) buttons to call up the pop-up display for audio settings, and then use the [6 ▲▼] (Time Stretch) buttons. If you select another audio file, this setting will be restored to the default value.

Adjusting the Pitch in semitones (Pitch Shift)

These let you shift the pitch of an Audio file in semitones.

To shift the pitch, press the [8 ▲▼] (Setting) buttons to call up the pop-up display for audio settings, and then use the [7 ▲▼] (Pitch Shift) buttons.

If you select another audio file, this setting will be restored to the default value.

NOTE

Changing the playback speed of an Audio file may change its tonal characteristics.

Recording Your Performance as Audio

You can record your performance as an audio file (WAV format — 44.1 kHz sample rate, 16-bit resolution, stereo) directly to a USB flash drive.

Sounds that can be recorded:

- Sounds that are generated via all the keyboard parts (LEFT, RIGHT 1, 2), Song parts, Style parts, and Multi Pad (page 92) parts.
- Sounds of a vocal part that are input via the [MIC INPUT] jack (page 89).
- Sounds of a portable audio player that are input via the [AUX IN] jack (page 112).
- Sounds of the Audio File, etc. that are input via the USB [TO HOST] terminal (page 109).
- Sounds of a external audio player that are input via Wireless LAN, and Bluetooth communication (page 111, 113).

Maximum amount of recording time:

- 80 minutes per recording, though this may differ depending on the capacity of the USB flash drive.

NOTE

Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

NOTE

If you want to record various parts separately or edit the data after recording on this instrument, record as MIDI files (page 74).

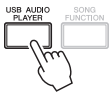
NOTE

Data that cannot be recorded includes: Audio Link Multi Pads and the metronome sound.

1 Connect the USB flash drive to the USB [TO DEVICE] terminal.

2 Make the necessary settings such as Voice/Style selection.

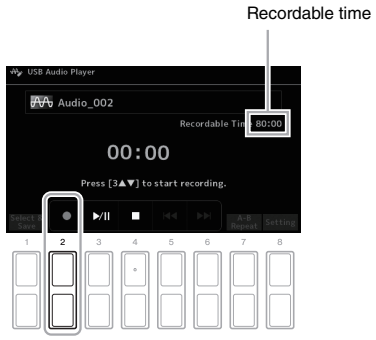
3 Press the [USB AUDIO PLAYER] button to call up the USB Audio Player display.



NEXT PAGE

4 Use the [2 ▲▼] (Rec) buttons to enter recording standby.

The ● (Rec) indication button in the display flashes.

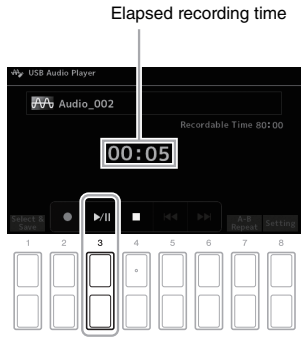


NOTE

You can use the metronome (page 42) while recording; however, the metronome sound will not be recorded.

5 Start recording by using the [3 ▲▼] (Play/Pause) buttons, and then start your performance.

The elapsed recording time is shown in the display while recording.



NOTICE

Never attempt to disconnect the USB flash drive or turn the power off during recording. Doing so may corrupt the USB flash drive data or the recording data.

6 After you finish your performance, use the [4 ▲▼] (Stop) buttons to stop recording.

Recorded data is automatically saved to the USB flash drive as a file with the name automatically set.

NOTE

The recording operation continues, even if you close the USB Audio Player display by pushing the [EXIT] button. Press the [USB AUDIO PLAYER] button to call up the USB Audio Player display again, and then stop the recording by pressing the [4 ▲▼] (Stop) button.

7 Use the [3 ▲▼] (Play/Pause) buttons to play back the recorded performance.

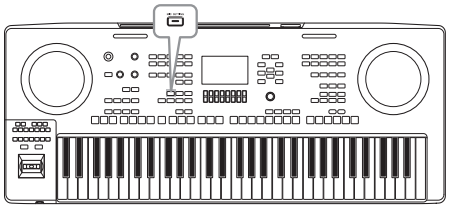
To see the file of the recorded performance in the File Selection display, use the [1 ▲▼] (Select&Save) buttons.

NOTE

Keep in mind that if you make a mistake in your performance, you cannot correct it by overwriting an existing file. Delete the recorded file on the File Selection display, and then record your performance again.

6 Microphone

– Sing Along with Song Playback or Your Own Performance –



By connecting a microphone to the [MIC INPUT] jack, you can enjoy singing along with your keyboard performance or with Song playback. The instrument outputs your vocals through the built-in speakers. You add ambience and depth to your vocals by using the DSP effects (e.g., Reverb and Chorus), as well as correct the tone or timbre of the sound by using EQ.

Connecting a Microphone

1 **Before turning on the power of the instrument, set the [MASTER VOLUME] dial to the minimum position.**



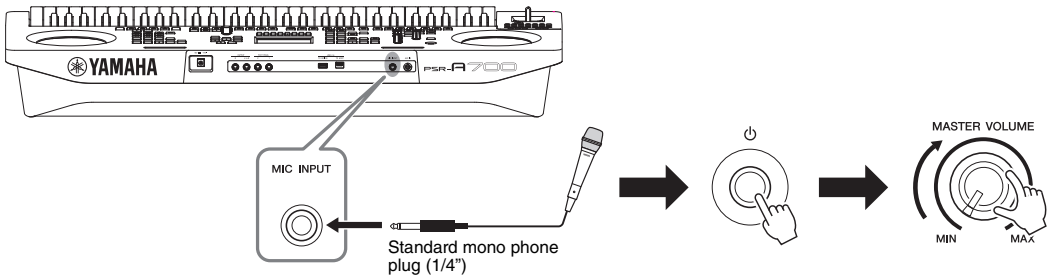
NOTE

To avoid damage to the devices or to the built-in speakers by an excessive signal when connecting (or disconnecting) the microphone, first set the [MASTER VOLUME] dial to the minimum position.

2 **Connect the microphone to the [MIC INPUT] jack on rear panel, and then turn on the power of the instrument and set the [MASTER VOLUME] dial to the former position.**

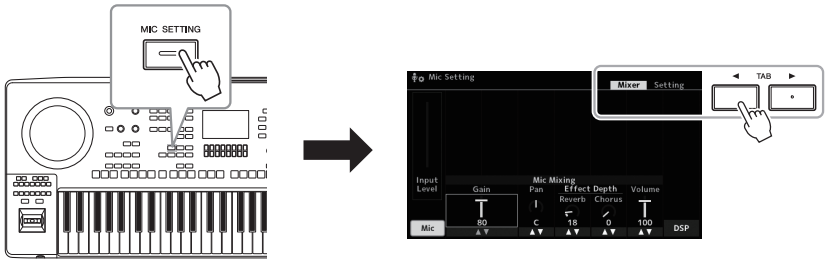
NOTE

Make sure you have a conventional dynamic microphone.



3 **Call up the Mic Setting display.**

[MIC SETTING] → TAB [◀] Mixer

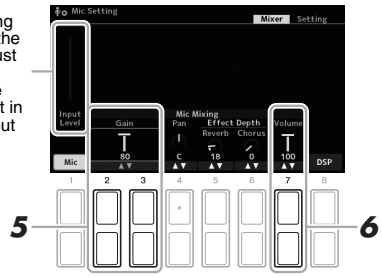


NEXT PAGE

4 **Make sure that Mic (the [1 ▲▼] button) is turned on.**

5 **(If necessary, turn on the microphone.) Use the [2 ▲▼]/[3 ▲▼] (Gain) buttons to adjust the Input Level while singing into the microphone.**

Adjust the Input Level while checking the INPUT LEVEL INDICATOR on the left of the display. Make sure to adjust the Input Level so that the indicator lights in green or yellow. Also, make sure that the indicator does not light in red, since this indicates that the input level is too high.



6 **Use the [7 ▲▼] (Volume) buttons to adjust the volume balance between the microphone sound and the instrument sound.**

Disconnecting the microphone

1. Set the [MASTER VOLUME] dial to the minimum position.
2. Disconnect the microphone from the [MIC INPUT] jack.

Applying DSP Effects to Your Vocals

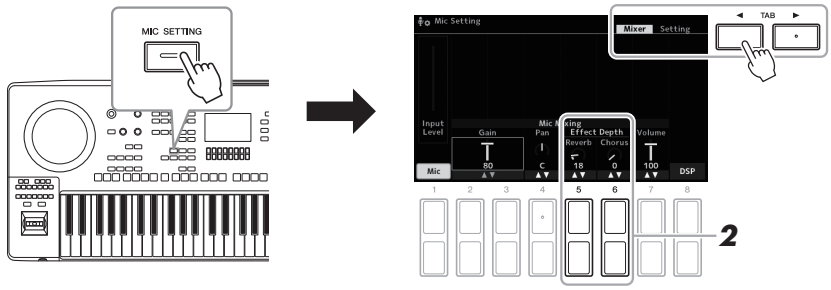
You can add ambience and depth of singing in a concert hall to your vocals by using Reverb, as well as giving your vocals a rich, "fat" sound by using Chorus.

1 **Call up the Mic Setting display.**

[MIC SETTING] → TAB [◀] Mixer

NOTE

For details on connecting a microphone, refer to page 89.



2 **Use the [5 ▲▼] (Reverb) / [6 ▲▼] (Chorus) buttons to adjust the depth of Reverb (or Chorus) while singing into the microphone.**

The higher the depth value, the deeper the effect becomes.

NOTE

The effects of Reverb and Chorus are applied to all of the parts input to the Mixer (page 104). You can adjust only the depth of Reverb (or Chorus) on this display.

Select Insertion Effect from Various Types

DSP (Digital Signal Processor) features built into the instrument provide high-quality effect types, including Echo and Delay. You can also apply the DSP effects only to a specified target. To apply the DSP effects only to a vocal part, for example, press the [8 ▲▼] buttons to select the part and the effect types. For details, refer to the Reference Manual on the website, Chapter 5.

Using the Talk Function

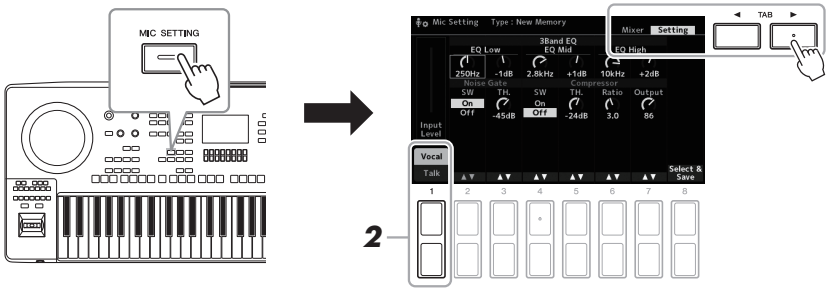
This function lets you instantly change the microphone settings for talking or making announcements between song performances.

1 Call up the Mic Setting display.

[MIC SETTING] → TAB [▶] Setting

NOTE

For details on connecting a microphone, refer to page 89.



2 Press the [1 ▲▼] button, to switch the setting display for vocals or for talking.

You can set detailed parameters (such as EQ, Noise Gate, and Compressor) from each setting display.

For more information, refer to the Reference Manual on the website, Chapter 5.

NOTE

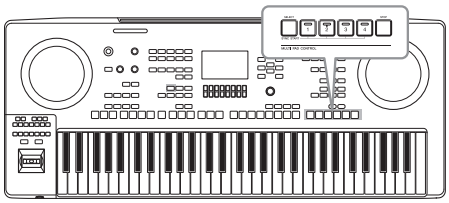
By using the pedal, you can switch the setting display for vocals or for talking. For details, refer to the Reference Manual on the website.

Advanced Features

Refer to the Reference Manual on the website, **Chapter 5**.

7 Multi Pads

– Adding Musical Phrases to Your Performance –

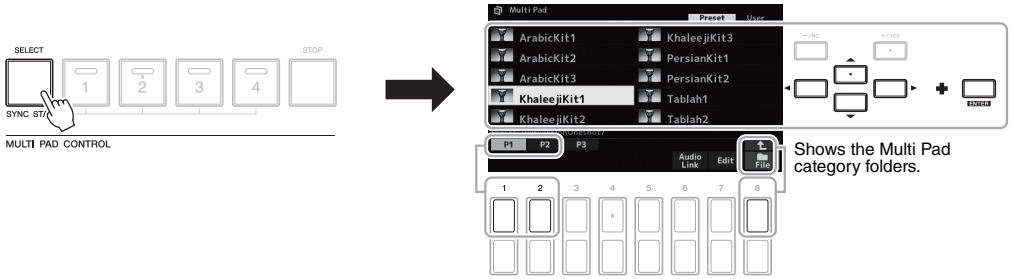


The Multi Pads can be used to play a number of short pre-recorded rhythmic and melodic sequences adding impact and variety to your keyboard performances.
Multi Pads are grouped in Banks of four each. The instrument features a variety of Multi Pad Banks in a variety of different musical genres.
Moreover, the Audio Link Multi Pad function allows you to create a new pad with your Audio File (WAV) to play back during your performance.

Playing the Multi Pads

This section covers how to play back Multi Pads by themselves. However, you can also play the Multi Pads during playback of a Style/Song to make your performance more interesting.

1 Press the MULTI PAD CONTROL [SELECT] button to call up the Multi Pad Bank Selection display.

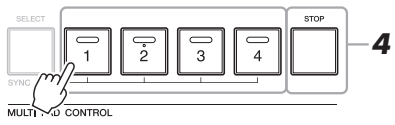


2 Move the cursor to the desired bank by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

You can call up other pages by using the [1 ▲] – [7 ▲] buttons that correspond to "P1, P2..." in the display or by pressing the MULTI PAD CONTROL [SELECT] button repeatedly.
Press the [8 ▲] (↑) button to call up the next higher level folder to which the Multi Pads are categorized.

3 Press any of the MULTI PAD CONTROL [1] – [4] buttons to play a Multi Pad phrase.

The corresponding phrase for the button starts playing back in its entirety at the currently set tempo. You can play up to four Multi Pads at the same time.



NOTE

There are two types of Multi Pad data. Some types will play back once and stop when they reach to the end. Others will be played back repeatedly (loop).

NOTE

Pressing the pad during its playback will stop playing and begin playing from the top again.

NEXT PAGE

4 **Press the [STOP] button to stop playback of the Multi Pad(s).**

If you want to stop specific pads, simultaneously hold down the [STOP] button and press the pad(s) you wish to stop.

About the lamp status of the MULTI PAD CONTROL [1] – [4] buttons

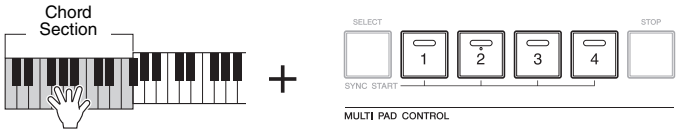
- **Blue:** Indicates that the corresponding pad contains data (phrase).
- **Red:** Indicates that the corresponding pad is playing back.
- **Red (flashing):** Indicates that the corresponding pad is in standby (Synchro Start; see below).
- **Off:** Indicates the corresponding pad contains no data and cannot be played.

NOTE

- While the Style or Song is playing back, pressing the Multi Pad button starts playback at the top of the next measure. When the Style or Song is stopped, pressing the Multi Pad button starts playback immediately.
- While the Style or Song is playing back, pressing the STYLE CONTROL [START/STOP] or SONG [■] (STOP) button also stops playback of the Multi Pad(s). While both the Style and Song is playing back, pressing the SONG [■] (STOP) button stops playback of the Song, Style and Multi Pad(s).

Using Chord Match

When the [ACMP] or LEFT part is on, Multi Pad phrases automatically change the pitch to match the chord you play in the chord section.
Play the chord in the chord section before/after pressing one of the Multi Pads.



NOTE

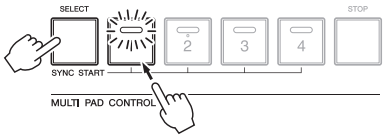
Some Multi Pads are not affected by Chord Match.

Using the Multi Pad Synchro Start Function

You can start Multi Pad playback by playing the keyboard or by starting Style playback.

1 **While holding the MULTI PAD CONTROL [SELECT] button, press the desired button or buttons from [1] – [4].**

The corresponding buttons flash in red, indicating the standby status.



NOTE

To cancel the standby status of the selected Pad, carry out the same operation, or simply press the [STOP] button to cancel the status of all Pads.

2 **Start playback of the Multi Pad.**

- When [ACMP] is off, press any note, or play back a Style.
- When [ACMP] is on, play a chord in the chord section, or play back a Style.

If you put a Multi Pad in standby during Style or Song playback, pressing any note (when [ACMP] is off) or playing a chord in the chord section (when [ACMP] is on) will start Multi Pad playback at the top of the next measure.

NOTE

When two or more Multi Pads are in the standby status, pressing any one of them starts simultaneous playback of all of them.

Creating a Multi Pad with Audio Files (WAV) (Audio Link Multi Pad)

You can create a new Multi Pad by making links with Audio Files (WAV) in the USB flash drive to each of the Multi Pad. The Audio Files (WAV) can be data you've recorded on this instrument (page 84) as well as commercially available ones (44.1kHz, 16-bit, stereo). Multi Pads to which Audio Files (WAV) have been linked are called Audio Link Multi Pads. The new Audio Link Multi Pads can be saved to the User drive or USB flash drive.

NOTE

Audio Link Multi Pads can neither be created nor played back during playback, recording standby or recording of audio files.

NOTE

Audio files (WAV) cannot be saved to the User drive.

1 Connect the USB flash drive containing the Audio Files (WAV) to the USB [TO DEVICE] terminal.

NOTE

Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

2 Press the MULTI PAD CONTROL [SELECT] button to call up the Multi Pad Bank Selection display.

3 Press the [6 ▼] (Audio Link) button to call up the Audio Link Multi Pad display.

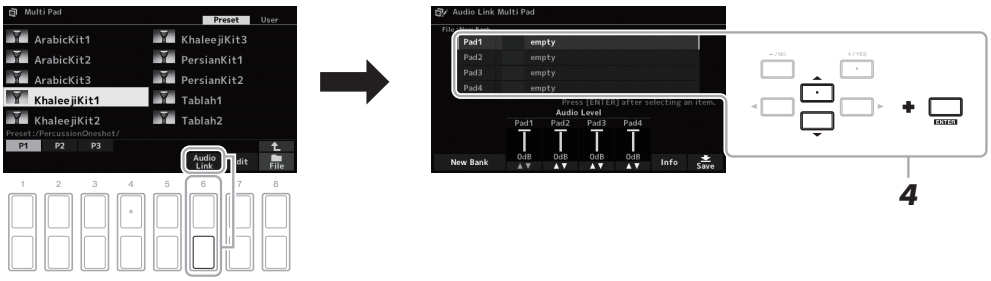
A confirmation message may appear here. If so, follow the on-display instructions.

NOTE

Make sure that File is shown at the bottom right corner of the display (page 26).

NOTE

An audio file cannot be linked to a MIDI Multi Pad.



4 Select the desired Pad by using the Cursor buttons [▲][▼], and then press the [ENTER] button.

The audio file Selection display appears.

5 Move the cursor to the desired audio file by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

NOTE

If an Audio Link Multi Pad has been selected when you press the [6 ▼] (Audio Link) button in step 3, the links made for the selected Pad appear. In order to create a new Pad, make sure to press one of the [1 ▲▼]/[2 ▲▼] (New Bank) buttons. Otherwise, you are simply re-selecting the link in the selected Pad.

To confirm the information of the selected audio file

By pressing [6 ▼] (Info) button in the audio file Selection display, you can confirm the information (title name, bit rate and sample rate, etc.). Press one of the [7 ▲▼]/[8 ▲▼] (OK) buttons to close it.

NEXT PAGE

6 Press the [EXIT] button to return to the Audio Link Multi Pad display.

> **To confirm the path of the selected audio file**
> By using the [7 ▲▼] (Info) buttons in the Audio Link Multi Pad display, you can confirm the path. Use the [7 ▲▼]/[8 ▲▼] (OK) buttons to close it.

7 If you want to link other Audio Files (WAV) to other pads, repeat steps 4 to 6.

8 If desired, adjust the volume of each audio file by using the [3 ▲▼] – [6 ▲▼] buttons.

By pressing the desired MULTI PAD CONTROL [1] – [4] button, you can adjust the volume while playing the Multi Pad phrase.

9 Save the settings as a Multi Pad Bank.

9-1 Press one of the [8 ▲▼] (Save) buttons in the Audio Link Multi Pad display to call up the Multi Pad Bank Selection display.

9-2 Save the settings as a bank file by following the instructions on page 28.

NOTICE

The setting will be lost if you select another Audio Link Multi Pad or turn the power to the instrument off without carrying out the Save operation.

10 Press the [EXIT] button to check the new Audio Link Multi Pad in the Multi Pad Bank Selection display.

The newly created Audio Link Multi Pad is marked with "Audio Link" at the upper left of the file name.

If you want to change the Link setting:

Select the desired Audio Link Multi Pad, and then carry out the same operations as in steps 3 to 10.

Playing the Audio Link Multi Pads

You can play the Multi Pad to which the audio file is assigned by selecting them in the User or USB tab of the Multi Pad Bank Selection display. Although you can play them via the same operations in page 92, note the following limitations.

- Make sure to connect the USB flash drive including the corresponding Audio Files (WAV).
- Automatic repeat playback is not available.
- Only one Pad can be played back at once.
- Chord Match cannot be applied.

NOTE

Audio Files (WAV) take a slightly longer time than MIDI files to load.

NOTE

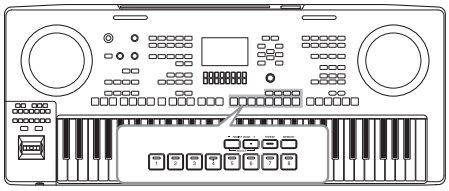
When the link to the audio file is cut (for example, when the USB flash drive which includes the corresponding Audio Files (WAV) is not connected, etc.), the Pad icon changes to "?" to indicate the file is not accessible.

Advanced Features
Refer to the Reference Manual on the website, **Chapter 6**.

Creating Multi Pads (Multi Pad Creator):	[MENU] → Menu2 → Multi Pad Creator → [ENTER]
Editing Multi Pads:	Multi Pad Bank Selection display → [7 ▼] (Edit)

8 Registration Memory/Playlist

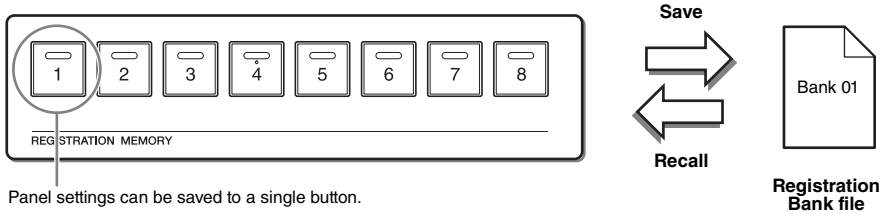
– Saving and Recalling Custom Panel Setups –



The Registration Memory function allows you to save (or "register") panel settings, such as those of Voices and Styles, to a Registration Memory button, and then instantly recall your custom panel settings by simply pressing a single button. When you've saved a lot of data to the Registration Memory, use the Playlist to manage your repertoire so that you can quickly call up the desired Registration Memory for each piece of music.

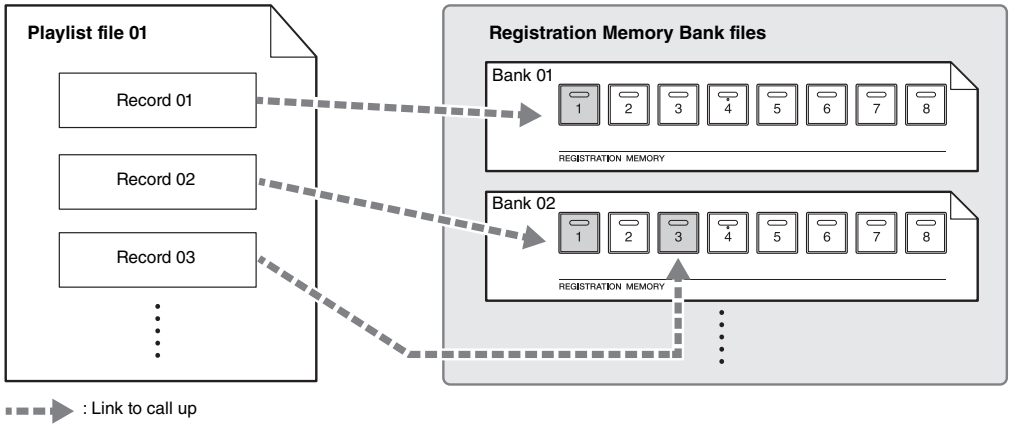
■ Registration Memory (page 97)

You can register your custom panel settings to each of the Registration Memory [1] – [8] buttons. You can also save all eight registered panel setups as a single Registration Memory Bank file. If you select a Registration Memory Bank file beforehand, you can easily call up the registered settings simply by pressing a button during your performance.



■ Playlist (page 100)

The Playlist function allows you to create custom performance lists. A Playlist contains links to call up Registration Memory Bank files for each piece you play. Each link to the Registration Memory is called a "Record," and you can collectively store the Playlist Records as a single Playlist file. Each Playlist Record can directly recall a specified Registration Memory number in the selected Registration Memory Bank file. By using the Playlist, you can select only the desired files from the huge number of the Registration Memory Bank files without changing the bank file configuration.



NOTE

By importing Music Finder Records (.mfd) used on previous Yamaha digital keyboards (such as the PSR-S670, etc.), you can use the Records on the Playlist of this instrument, just like using the Music Finder function on those other instruments. For details, refer to the "Playlist" section in the Reference Manual on the website. For details on using Music Finder, refer to the Owner's Manual which contains your desired Music Finder Records.

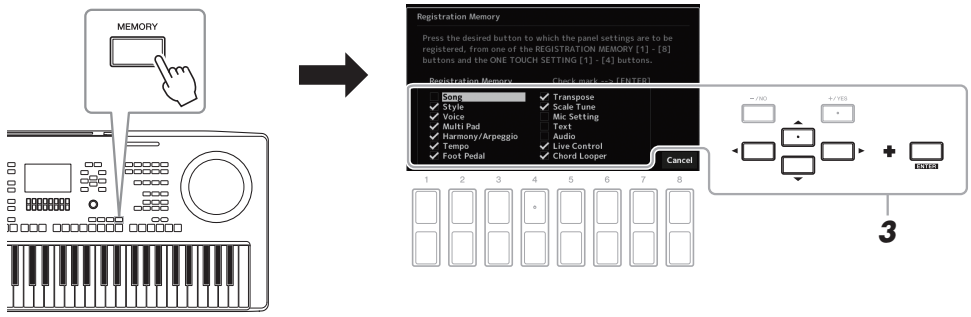
Registering Your Panel Setups

1 Make the desired panel settings, such as those for Voices, Styles and Effects.

For information on the panel settings that can be registered with the Registration Memory function, refer to the Registration section of the "Parameter Chart" in the Data List on the website.

2 Press the [MEMORY] button in the REGISTRATION MEMORY section.

The display for selecting the groups to be registered appears.



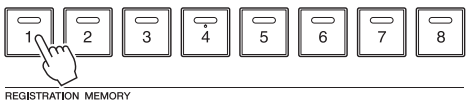
3 Determine the groups you want to register.

Select the desired item by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button to enter a checkmark for the item.
To cancel the operation, press one of the [8 ▲▼] (Cancel) buttons.

NOTE

You can also use the Data dial to select, and the [-/NO]/[+/YES] buttons to enter or remove checkmarks.

4 Press one of the REGISTRATION MEMORY [1] – [8] buttons to which you wish to memorize the panel setup.



NOTICE

If you select the button whose lamp is lit in red or blue here, the panel setup previously memorized to the button will be erased and replaced by the new settings.

The memorized button becomes red, which indicates the number button contains data and its number is selected.

About the lamp status

- **Red:** Data registered and currently selected
- **Blue:** Data registered but not currently selected
- **Off:** No data registered

5 Register various panel setups to other buttons by repeating steps 1 – 4.

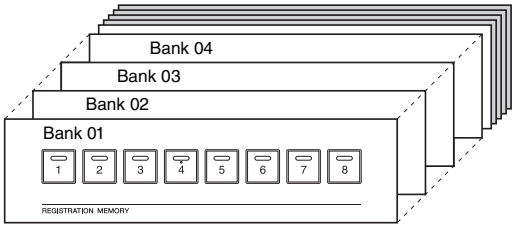
The registered panel setups can be recalled by simply pressing the desired number button.

NOTE

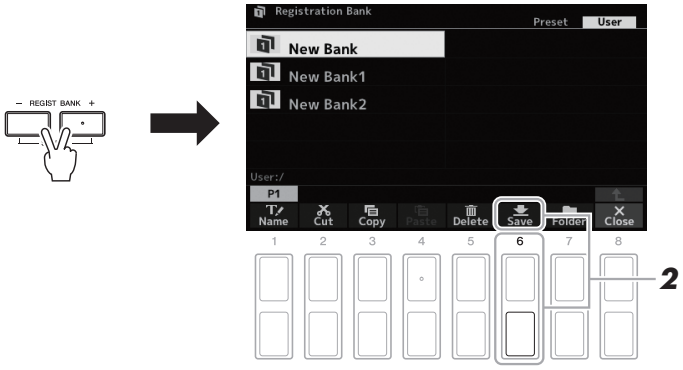
The panel setups registered in the numbered buttons are maintained even when you turn off the power. If you want to delete all the eight current panel setups, turn the power on while holding the B5 key (right-most B key on the keyboard).

Saving the Registration Memory as a Bank file

You can save all eight registered panel setups as a single Registration Memory Bank file.



1 Press the REGIST BANK [+] and [-] buttons simultaneously to call up the Registration Bank Selection Display.



2 Save the Bank file.

For instructions on saving in this display, refer to page 28.

Recalling a Registered Panel Setup

The saved Registration Memory Bank files can be recalled by using the REGIST BANK [-]/[+] buttons or the following procedure.

1 **Press the REGIST BANK [+] and [-] buttons simultaneously to call up the Registration Bank Selection display.**

2 **Move the cursor to the desired Bank by the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.**

Confirming the Registration Memory Information

In the Registration Bank Selection display, press the [6 ▼] (Info) button to call up the Information window, showing which Voices and Style are memorized to the [1] – [8] buttons of a Registration Memory Bank.

NOTE

If the Info indication is not shown at the bottom of the display, press the [8 ▼] button (page 26).

To close the window, press the [7 ▲▼]/[8 ▲▼] (Close) button.

3 **Press one of the blue-lit numbered buttons ([1] – [8]) in the Registration Memory section.**

NOTE

- When recalling the setups including file selection of Song, Style, text, etc. from a USB flash drive, make sure that the appropriate USB flash drive including the registered Song/Style is connected into the USB [TO DEVICE] terminal.
- Before using a USB flash drive, be sure to read "Connecting USB Devices" on page 107.

NOTE

Turning the [FREEZE] button on can disable recall of specific item(s). For instructions, refer to the Reference Manual on the website.

Advanced Features

Refer to the Reference Manual on the website, **Chapter 7**.

Disabling recall of specific items (Freeze):	[MENU] → Menu1 → Regist Sequence/Freeze → [ENTER] → Freeze
Calling up Registration Memory numbers in order (Registration Sequence):	[MENU] → Menu1 → Regist Sequence/Freeze → [ENTER] → Registration Sequence

Using Playlists to Manage a Large Repertoire of Panel Setups

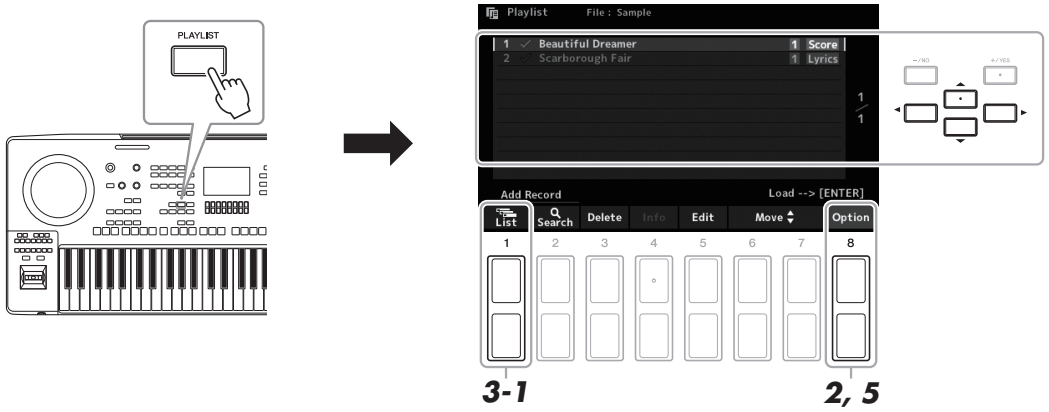
The Playlist is useful for managing multiple set lists for your performances. You can select only the desired files from a large repertoire (the huge number of the Registration Memory Bank files) and create a new set list for each performance.

Adding a Record (Link to a Bank file) to a Playlist

By adding Records to a Playlist, you can directly recall desired Registration Memory Bank files from the Playlist for each performance.

1 Press the [PLAYLIST] button to call up the Playlist display.

The Playlist file which was selected the last time appears. (The sample preset Playlist will appear for the first time.)



2 If you want to create a new Playlist, press the [8 ▲▼] buttons to call up the pop-up display. Then press the [3 ▲▼]/[4 ▲▼](Create New Playlist) buttons.

3 Add a Record to the Playlist.

■ To add a Record via the Registration Bank Selection display:

3-1 Press the [1 ▲▼] (List) buttons to call up the Registration Bank Selection display.

3-2 Select the desired Bank file to register as a Playlist Record by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.
If you want to select two or more files, repeat step 3-2.
If you want to select all files, press the [8 ▲▼] (All) buttons.

3-3 Pressing the [7 ▲▼] (OK) buttons closes the display, and the new Record is added to the bottom of the Playlist.

NEXT PAGE

4 If necessary, edit the added Record.

The newly added Playlist Record not only simply lets you recall the selected registration Bank file, but also gives you tools for editing, if you want to set more detailed settings (such as directly recalling a specified Registration Memory number).

4-1 Press [5 ▲▼](Edit) button on the Playlist display to call up the Playlist Record Edit window.



4-2 Select the desired parameter to edit by using the Cursor buttons [▲][▼], and then use the [+/YES][-/NO] buttons or the Data dial.

Record Name	Determines the name of the Record. Pressing the [ENTER] button calls up the Character Entry window, letting you change the RECORD NAME.
Action	Select additional actions after recalling the Record, by using the [+/YES][-/NO] buttons or the Data dial. • **Load Regist Memory:** Recalls the Registration Memory corresponding to the number selected here. When OFF is selected, no Registration Memory is recalled. • **View:** Displays the view (score, lyrics or text) selected here. When OFF is selected, no view is displayed. ***NOTE*** This setting is shown at right of the Record name on the Playlist display.

4-3 Press the [EXIT] button to close the Playlist Record Edit display.

5 Save all the added Records as a Playlist file.

5-1 Press the [8 ▲▼] (Option) buttons to call up the pop-up display, and then press the [7 ▲▼] (Select&Save) buttons.

5-2 Select the appropriate tab (User or USB) to which you want to save the data by using the TAB [◀][▶] buttons.
If you want to save the data within an existing folder, also select the folder here.

5-3 Make sure that Save is shown at the bottom of the display.
If it is not shown on the display, press the [8 ▼] (File) button to call it up.

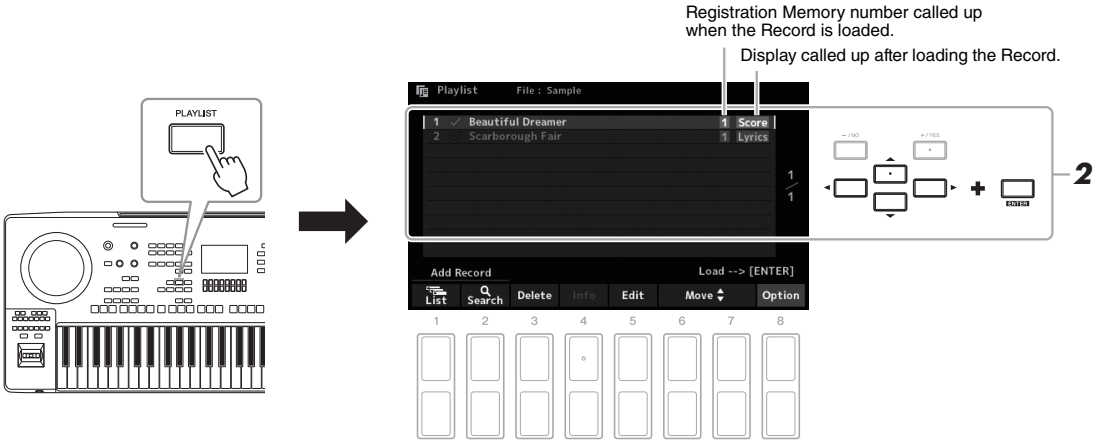
5-4 Press the[6 ▼] (Save) button.
The Character Entry window is called up.

5-5 Enter the file name (page 33).
Even if you skip this step, you can rename the file at any time after saving it (page 30).

5-6 Press the [8 ▲] (OK) button to actually save the file.
If the file name already exists, a message appears asking you if you want to overwrite or not.
If not, press one of the [6 ▲▼] (No) buttons and enter another name.

Recalling Custom Panel Setups via the Playlist

1 Press the [PLAYLIST] button.



2 Select the Record name on the Playlist display by using the Cursor buttons [▲][▼], and then press the [ENTER] button.

The Registration Memory Bank registered as the Playlist Record is recalled and the Action you've made (page 101) is executed.

Pressing the [4 ▲▼] (Info) buttons calls up the Registration Bank Information window (page 99).

Deleting the Record from the Playlist

1 Press the [PLAYLIST] button, and then select the desired Record to delete by using the Cursor buttons [▲][▼].

2 Press the [3 ▲▼] (Delete) buttons.

A confirmation message appears. If you want to cancel the operation, press the [6 ▲▼] (No) buttons here.

3 Press the [7 ▲▼] (Yes) buttons to delete the Record.

4 Press the [8 ▲▼] (Option) buttons to call up the pop-up display, and then press the [7 ▲▼] (Select&Save) buttons to save the edited Playlist.

For instructions on how to save, refer to step 5-2 and following (page 101).

Copying the Playlist Records from Another Playlist (Append Playlist)

"Append Playlist" allows you to copy the existing Playlist file and add it to the current Playlist file.

1 **After pressing the [PLAYLIST] button, press the [8 ▲▼] (Option) buttons to call up the pop-up display, and then press the [5 ▲▼]/[6 ▲▼] (Append Playlist) buttons to call up the Playlist Selection display.**

2 **Select the desired Playlist file to append by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] buttons.**

A confirmation message appears.



3 **Press the [7 ▲▼] (Yes) buttons to add the Records.**

All Records in the selected Playlist file are added at the bottom of the current Playlist.
If you want to cancel the operation, press the [6 ▲▼] (No) buttons here.

4 **Press the [EXIT] buttons to call up the Playlist display.**

5 **Press the [8 ▲▼] (Option) buttons to call up the pop-up display, and then press the [7 ▲▼] (Select&Save) buttons to save the edited Playlist.**

For instructions on how to save, refer to step 5-2 and following (page 101).

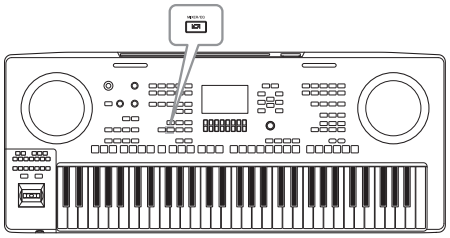
Advanced Features
Refer to the Reference Manual on the website, **Chapter 7**.

Changing the Order of the Records in the Playlist

Importing Music Finder Records to the Playlist

9 Mixer

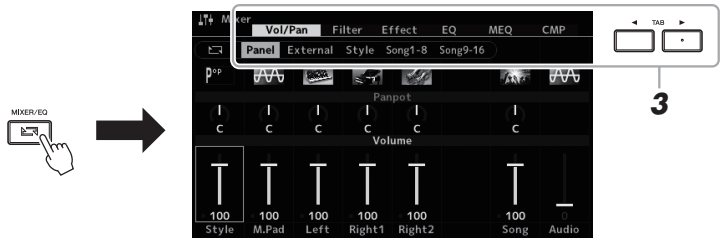
– Editing the Volume and Tonal Balance –



The Mixer gives you intuitive control over aspects of the keyboard parts and Style/Song channels, including volume balance and the timbre of the sounds. It lets you adjust the levels and stereo position (pan) of each Voice to set the optimum balance and stereo image, and lets you set how the effects are applied.

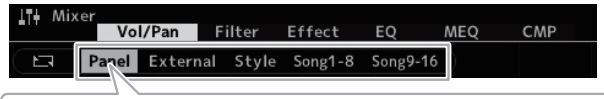
Basic Procedure

1 Press the [MIXER/EQ] button to call up the Mixer display.



2 Press the [MIXER/EQ] button repeatedly to call up the Mixer display for the relevant parts.

The part name is indicated at the top of the display.



Panel	Entire Song part, entire Style part, Multi Pad part, LEFT and RIGHT 1/2 parts, USB Audio Player
External	Mic, AUX In, USB (sound via USB cable), Bluetooth (sound via Bluetooth communication), WLAN (sound via USB wireless LAN adaptor)
Style	Rhythm 1, 2, Bass, Chord 1, 2, Pad, Phrase 1, 2
Song1-8	Song channels 1 – 8
Song9-16	Song channels 9 – 16

NOTE

When the UD-WL01 USB Wireless LAN adaptor (sold separately, page 111) is connected to the instrument, "WLAN" appears in the External page.

NEXT PAGE

3 Use the TAB [◀][▶] buttons to call up the desired page.

For details about each page, refer to the Reference Manual on the website.

- **Vol/Pan** .....Changes the Voice for each part and adjusts panning and volume for each part.
- **Filter**.....Adjusts Resonance, and Cutoff (sound brightness).
- **Effect** .....Selects effect type and adjusts its depth for each part.
- **EQ** .....For adjusting equalization parameters to correct the tone or timbre of the sound for each part.
- **MEQ**.....Selects the master equalizer type applied to the entire sound and edits the related parameters.
- **CMP** .....This is the Master Compressor setting which determines the dynamics of the overall sound.

NOTE

The Master EQ and Compressor settings are not applied to the metronome sound, audio playback, sound via USB cable, or sound via USB wireless LAN adaptor.

4 Use the Cursor buttons [▲][▼][◀][▶] to select a parameter, and then use the [1 ▲▼] – [8 ▲▼] buttons to set the value for each part.

5 Save your Mixer settings.

- **To save the Panel display settings and the microphone settings in the External display:**
  Register them to Registration Memory (page 97).

NOTE

Except for the microphone settings, the External display settings (AUX In, USB, WLAN) are maintained even when you turn off the power.

- **To save the Style display settings:**
  Save them as Style data. If you want to recall the settings for future use, select the Style file saved here.
  1. Call up the operation display.
     [MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Style Creator → [ENTER]
  2. After the message asking whether you want to edit the existing Style or create a new Style appears, press one of the [5 ▲▼]/[6 ▲▼] (Current Style) buttons.
  3. Press the [EXIT] button to close the Rec Channel display.
  4. Press one of the [8 ▲▼] (Save) buttons to call up the Style Selection display, and then save it (page 28).

- **To save the Song display settings:**
  First register the edited settings as part of the Song data (Setup), and then save the Song. If you want to recall the settings for future use, select the Song file saved here.
  1. Call up the operation display.
     [MENU] → TAB [▶] Menu2 → Cursor buttons [▲][▼][◀][▶] Song Creator → [ENTER]
  2. Use the TAB [◀][▶] buttons to select the Setup tab.
  3. Use the cursor buttons [▲][▼][◀][▶] and the [ENTER] button to check the items you want to store, and then press the [6 ▲▼]/[7 ▲▼] (Apply) button.
  4. Press one of the [8 ▲▼] (Save) buttons to call up the Song Selection display, and then save it (page 28).

Advanced Features
Refer to the Reference Manual on the website, **Chapter 8**.

10 Connections

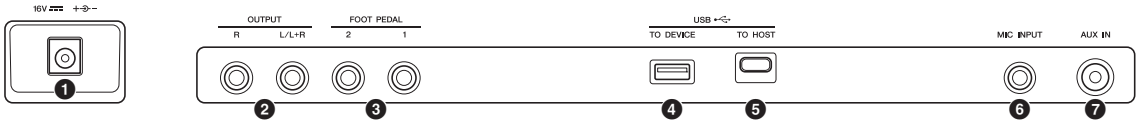
– Using Your Instrument with Other Devices –

This chapter covers the connectors on the rear panel of this instrument.

⚠ CAUTION

Before connecting the instrument to other electronic components, turn off the power of all the components. Also, before turning any components on or off, make sure to set all volume levels to minimum (0). Otherwise, damage to the components, electrical shock, or even permanent hearing loss may occur.

Rear Panel



❶ DC IN jack ..... Page 16
For connecting the AC adaptor (page 125).

❷ OUTPUT [L/L+R]/[R] jacks ..... Page 115
For connecting to external powered speaker systems.

❸ FOOT PEDAL [1]/[2] jacks ..... Page 116
For connecting a separately sold foot controller or footswitch.

❹ USB [TO DEVICE] terminal ..... Page 107
For connecting a USB flash drive (page 107), or USB wireless LAN adaptor (page 111).
Before using the USB [TO DEVICE] terminal, be sure to read "Precautions when using the USB [TO DEVICE] terminal" on page 107.

❺ USB [TO HOST] terminal (USB Type-C™) ..... Page 109
For connecting to a computer or smart device such as smartphone or tablet.

❻ [MIC INPUT] jack ..... Page 89
For connecting a microphone.

❼ [AUX IN] jack ..... Page 112
For connecting an audio player.

Connecting USB Devices (USB [TO DEVICE] terminal)

You can connect a USB flash drive or a USB wireless LAN adaptor (sold separately) to the USB [TO DEVICE] terminal. This lets you save data you've created on the instrument to the USB flash drive (page 28). You can also connect the instrument to a smart device via wireless LAN (page 111).

Precautions when using the USB [TO DEVICE] terminal

This instrument features a built-in USB [TO DEVICE] terminal. When connecting a USB device to the terminal, be sure to handle the USB device with care. Follow the important precautions below.

NOTE

For more information about the handling of USB devices, refer to the owner's manual of the USB device.

Compatible USB devices

- USB flash drive
- USB wireless LAN adaptor (UD-WL01; may not be available depending on your area)

Other USB devices such as a USB hub, computer keyboard or mouse cannot be used.

The instrument does not necessarily support all commercially available USB devices. Yamaha cannot guarantee operation of USB devices that you purchase. Before purchasing a USB device for use with this instrument, please visit the following web page:
https://manual.yamaha.com/mi/rt/psra700/downloads/

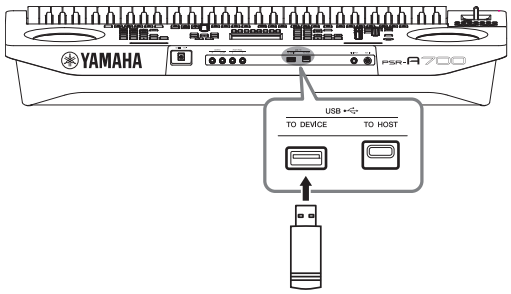
Although USB devices 2.0 to 3.0 can be used on this instrument, the amount of time for saving to or loading from the USB device may differ depending on the type of data or the status of the instrument. USB devices 1.1 cannot be used on this instrument.

NOTE

The rating of the USB [TO DEVICE] terminal is a maximum of 5V/500mA. Do not connect USB devices having a rating above this, since this can cause damage to the instrument itself.

Connecting a USB device

When connecting a USB device to the USB [TO DEVICE] terminal, make sure that the connector on the device is appropriate and that it is connected in the proper direction.



NOTICE

• Avoid connecting or disconnecting the USB device while executing playback/recording and file management operations (such as Save, Copy, Delete and Format), or when accessing the USB device. Failure to observe this may result in "freezing" of the operation of the instrument or corruption of the USB device and the data.

• When connecting then disconnecting the USB device (and vice versa), make sure to wait a few seconds between the two operations.

• Do not use an extension cable when connecting a USB device.

NOTE

• When connecting a USB cable, make sure that the length is less than 3 meters.

Using a USB Flash Drive

By connecting the instrument to a USB flash drive, you can save data you've created to the connected device, as well as read data from the connected device.

Number of USB flash drives that can be used

Only one USB flash drive can be connected to the USB [TO DEVICE] terminal.

Formatting a USB flash drive

You should format the USB flash drive only with this instrument (page 108). A USB flash drive formatted on another device may not operate properly.

NOTICE

The format operation overwrites any previously existing data. Make sure that the USB flash drive you are formatting does not contain important data.

To protect your data (write-protect)

To prevent important data from being inadvertently erased, apply the write-protect provided with each USB flash drive. If you are saving data to the USB flash drive, make sure to disable write-protect.

Turning off the instrument

When turning off the instrument, make sure that the instrument is NOT accessing the USB flash drive by playback/recording or file management operations (such as during Save, Copy, Delete and Format operations). Failure to do so may corrupt the USB flash drive and the data.

Formatting a USB Flash Drive

When a USB flash drive is connected, a message may appear prompting you to format the USB flash drive. If so, carry out the format operation.

NOTICE

The format operation deletes any previously existing data. Make sure that the USB flash drive you are formatting does not contain important data.

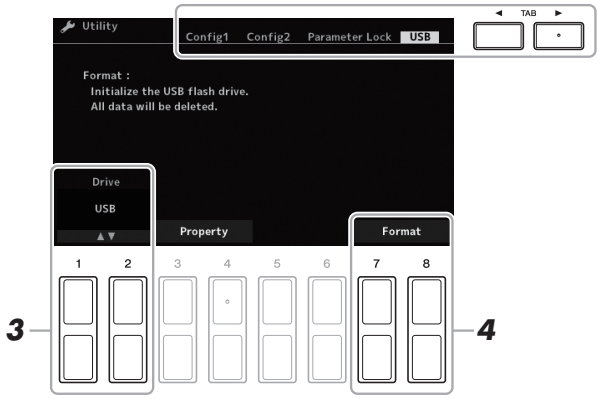
1 Connect a USB flash drive for formatting into the USB [TO DEVICE].

2 Call up the operation display.

[MENU] → TAB [▶] General → Cursor buttons [▲][▼][◀][▶] Utility → [ENTER] → TAB [▶] USB

NOTE

Playback of Style, Song and Multi Pads will stop when formatting is started.



3 If necessary, use the [1 ▲▼]/[2 ▲▼] buttons to select the desired drive (partition) in the USB flash drive to be formatted.

4 Press one of the [7 ▲▼]/[8 ▲▼] (Format) buttons to format the USB flash drive.

5 Press the [+/YES] button to actually carry out the Format operation.

NOTE

To cancel the Format operation, press the [-/NO] button.

Confirming the remaining memory

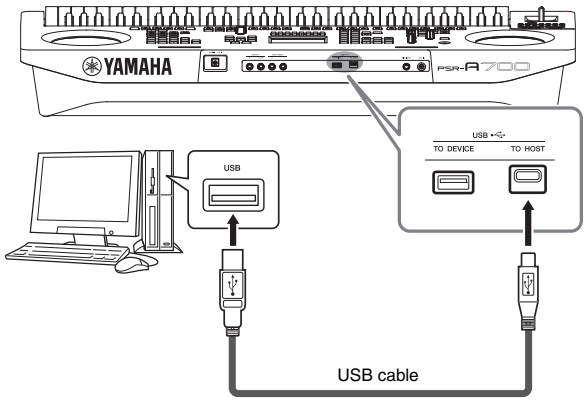
You can check the remaining memory of the connected USB flash drive by pressing one of the [3 ▲▼]/[4 ▲▼] (Property) buttons.

Selecting Files in the USB Flash Drive

You can access files which are saved in the USB flash drive with the following operation.
Select the desired category by using the Cursor [▲][▼][◀][▶] buttons from TAB [▶] USB on the File Selection displays (page 26), and then press the [ENTER] button.

Connecting to a Computer (USB [TO HOST] terminal)

By connecting a computer to the USB [TO HOST] terminal, you can transfer data between the instrument and the computer via MIDI. For details on using a computer with this instrument, refer to the "Computer-related Operations" on the website.



NOTICE

Use an AC or CC type USB cable of less than 3 meters.

NOTE

- When using a USB cable to connect the instrument to your computer, make the connection directly without passing through a USB hub.
- The instrument will begin transmission a short time after the USB connection is made.
- For information on setting up your sequence software, refer to the owner's manual of the relevant software.

Transmitting/Receiving Audio Data (USB Audio Interface function)

By connecting a computer or a smart device to the USB [TO HOST] terminal via a USB cable, digital audio data can be transmitted/received. This USB Audio Interface function provides the following advantages:

Playing back audio data with high sound quality

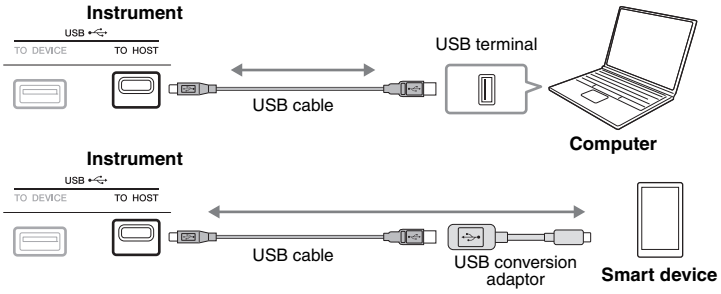
This gives you direct, clear sound in which the sound quality has less noise and deterioration than that from the [AUX IN] jack.

Recording your performance on the instrument as audio data by using recording software or music production software

The recorded audio data can be played back on the computer or smart device.

NOTE

- When transmitting or receiving audio signals by using a computer running Windows, the Yamaha Steinberg USB Driver should be installed to the computer. For details, refer to the "Computer-related Operations" on the website.
- For instructions on connecting to a smart device, refer to the "Smart Device Connection Manual" on the website.

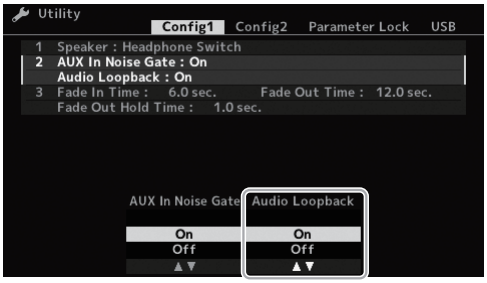


Turning Audio Loopback On/Off

This allows you to set whether Audio Input Sound (page 112) from the external device is output to a computer or a smart device or not along with the performance played on the instrument. To output the Audio Input Sound, set the Audio Loopback to "On."

For example, if you want to record the Audio Input Sound as well as the sound played on the instrument by using the connected computer or smart device, set this to "On." If you intend to record only the sound played on the instrument by using the computer or smart device, set this to "Off."

The setting can be made via [MENU] → Utility → Config1 → Audio Loopback.



NOTE

- With Audio Recording (page 87), the Audio Input Sound from the external device is recorded when this is set to "On," and not recorded when set to "Off."
- The sound cannot be output to a device connected by the [AUX IN] jack.

Connecting to a Smart Device ([AUX IN] jack, USB [TO HOST] terminal, Wireless LAN)

You can use a smart device, with the instrument for a variety of musical purposes by connecting it to the instrument. By using application tools on your smart device, you can take advantage of convenient functions and get more enjoyment out of this instrument.

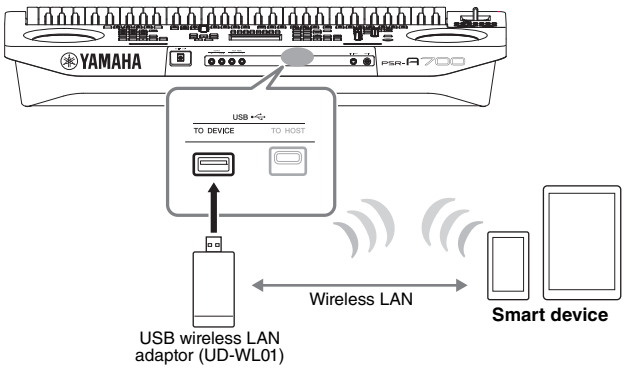
Use one of the following methods to make connections.

- Connect to the [AUX IN] jack by using an audio cable (page 112).
- Connect to the USB [TO HOST] terminal via a USB cable (page 109).
- Connect to the USB [TO DEVICE] terminal via the USB wireless LAN adaptor: UD-WL01 (*).

*This accessory is sold separately, but may not be available depending on your area.

For details on connections, refer to the "Smart Device Connection Manual" and the Reference Manual on the website.

Example



NOTICE

- **Do not place your smart device in an unstable position. Doing so may cause the device to fall and result in damage.**
- **Do not connect this product to public Wi-Fi and/or Internet directly. Only connect this product to the Internet through a router with strong password-protections. Consult your router manufacturer for information on security best practices.**

NOTE

- Before using the USB [TO DEVICE] terminal, be sure to read "Precautions when using the USB [TO DEVICE] terminal" on page 107.
- When you use the instrument along with an application on your smart device, we recommend that you first set "Airplane Mode" to "ON" then set "Wi-Fi" to "ON" on your smart device in order to avoid noise caused by communication.

Using a Smart Device App

By connecting to a smart device and using the compatible smart device app, you can get more enjoyment out of this instrument. Find apps that suit your purpose such as viewing notation of audio files, or keeping record of your keyboard performances. The following are examples of apps you can use with the instrument.

Rec'n'Share

This lets you both record your performances and share performance data.

Chord Tracker

This app helps you practice and perform songs by analyzing the audio file stored in your smart device and automatically displaying the chord symbols for you.

For information about compatible smart devices and application tools, access the following page:
https://www.yamaha.com/2/kbdapps/

Listening to Audio Playback by an External Device through the Instrument's Speaker ([AUX IN] jack)

Audio playback by the connected device can be output from the instrument's speaker. To input audio, connect an external device by one of the following methods.

- Connecting to the [AUX IN] jack by using an audio cable
- Connecting to the USB [TO HOST] terminal by using a USB cable (USB Audio Interface function; page 109)
- Connecting by Bluetooth (Bluetooth Audio function; page 113)

When connecting to a smart device, you can also connect by using a USB wireless LAN adaptor (UD-WL01; sold separately). For information about connection with a smart device, refer to page 111.

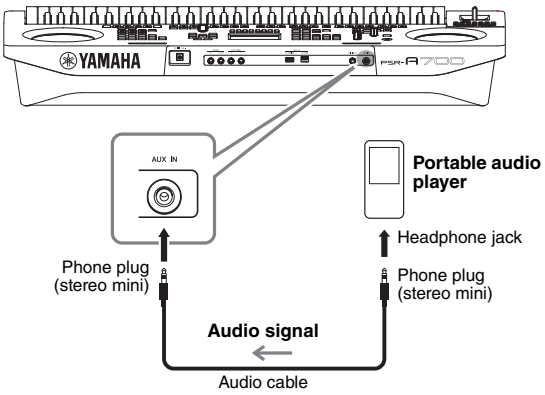
Audio Input Sound:
In this manual, "Audio Input Sound" refers to audio input to the instrument from the external devices connected by these methods.

NOTE

- The volume of the Audio Input Sound can be adjusted from the external device.
- You can adjust the volume balance among the sounds of the instrument and the Audio Input Sound in the Balance display (page 62).
- You can set whether Audio Input Sound from the external device is output to a computer or a smart device or not along with the performance played on the instrument. For details, refer to "Turning Audio Loopback On/Off" on page 110.

Playing a Portable Audio Player with the Built-in Speakers

You can connect the headphone jack of a portable audio player to the instrument's [AUX IN] jack, letting you hear the sound of that portable audio player through the built-in speakers of the instrument.



The input signal from the [AUX IN] jack is affected by the setting of the instrument's [MASTER VOLUME] dial, and the volume balance with other sounds played on this keyboard can be adjusted from the Balance display (page 62).

NOTICE

To avoid damage to the devices, first turn on the power to the external device, and then to the instrument. When turning off the power, first turn off the power to the instrument, and then to the external device.

NOTE

When connecting to computer or a smart device, you can also connect via the USB [TO HOST] terminal (page 109).

NOTE

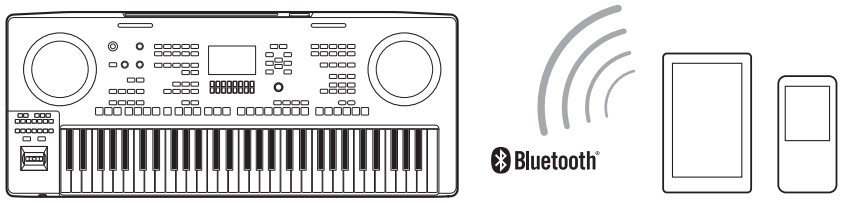
You can control the input volume from the [AUX IN] jack by using the LIVE CONTROL knobs. For instructions on how to assign the functions to the knobs, refer to page 45.

Connecting to an Audio Player via Bluetooth communication

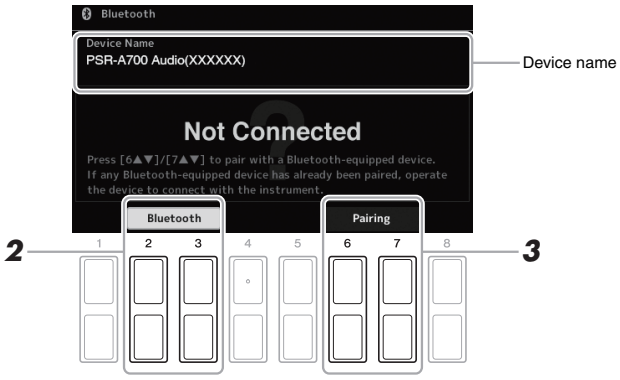
Before using the Bluetooth function, be sure to read "About Bluetooth" on page 114.

You can play the sound of the audio data saved in a Bluetooth-equipped device, such as a smartphone or portable audio player, on that device and then listen to it through the built-in speaker of the instrument.

• Bluetooth-equipped device:
In this manual, "Bluetooth-equipped device" refers to a device that can transmit audio data to the instrument via Bluetooth wireless communication. For proper operation, the device must be compatible with A2DP (Advanced Audio Distribution Profile).



1 Call up the Bluetooth display via [MENU] → TAB [▶] General → Cursor buttons [▲][▼][◀][▶] Bluetooth → [ENTER].



2 Make sure that "Bluetooth" is lighting (the Bluetooth function is enabled).

If you wish to connect your Bluetooth-equipped device to the instrument, the device needs to be paired with the instrument. If the device and the instrument have already been paired, go to step 4.

3 Press one of the [6 ▲ ▼] – [7 ▲ ▼] (Pairing) buttons to enter the paring standby state.

Popup window is shown that means the instrument is waiting for paring process.

4 On your Bluetooth-equipped device, set the Bluetooth function to on and select this instrument (the device name is shown on the display in step 1) from the connection list.

After pairing is completed, the name of the Bluetooth-equipped device and "Connected" are shown in the display.

NOTE

- "Pairing" means to register Bluetooth-equipped devices on this instrument, and establish the mutual recognition for wireless communication between the two.
- Bluetooth headphones or speakers cannot be paired.

5 Play back audio data on the Bluetooth-equipped device to confirm that the built-in speakers of the instrument can output the audio sound.

Once the device has been paired with the instrument, there is no need to perform pairing again.
When you turn on the instrument the next time, the last-connected Bluetooth equipped device will be connected to this instrument automatically, if the Bluetooth function of the Bluetooth-equipped device and the instrument is set to on. If it is not connected automatically, select this instrument from the connection list on the Bluetooth-equipped device.

NOTE

Only one device can be connected to this instrument at a time (although up to eight devices can be paired to this instrument). When pairing with the 9th device has succeeded, pairing data for the device with the oldest connection date will be deleted.

About Bluetooth

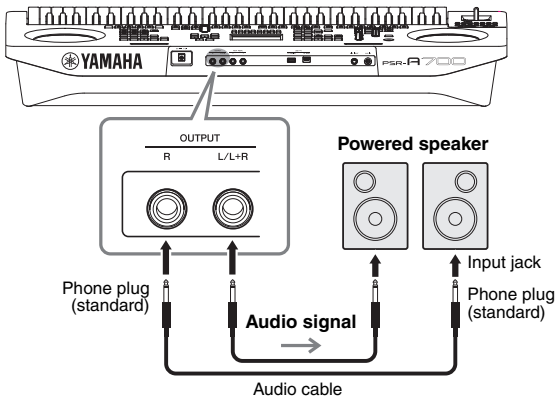
Bluetooth is a technology for wireless communication between devices within an area of about 10 meters (33 ft.) employing the 2.4 GHz frequency band.

■ Handling Bluetooth communications

- The 2.4 GHz band used by Bluetooth compatible devices is a radio band shared by many types of equipment. While Bluetooth compatible devices use a technology minimizing the influence of other components using the same radio band, such influence may reduce the speed or distance of communications and in some cases interrupt communications.
- The speed of signal transfer and the distance at which communication is possible differs according to the distance between the communicating devices, the presence of obstacles, radio wave conditions and the type of equipment.
- Yamaha does not guarantee all wireless connections between this unit and devices compatible with Bluetooth function.

Connecting an External Stereo System (OUTPUT [L/L+R]/[R] jacks)

You can connect a stereo system to amplify the instrument's sound by using the OUTPUT [L/L+R]/[R] jacks.



NOTE

Use audio cables and adaptor plugs having no (zero) resistance.

NOTE

Use only the [L/L+R] jack for connection with a monaural device.

NOTICE

To avoid possible damage, first turn on the power to the instrument, and then to the external device. When turning off the power, first turn off the power to the external device, and then to the instrument. Since this instrument's power may automatically be turned off due to the Auto Power Off function (page 17), turn off the power to the external device, or disable Auto Power Off when you do not intend to operate the instrument.

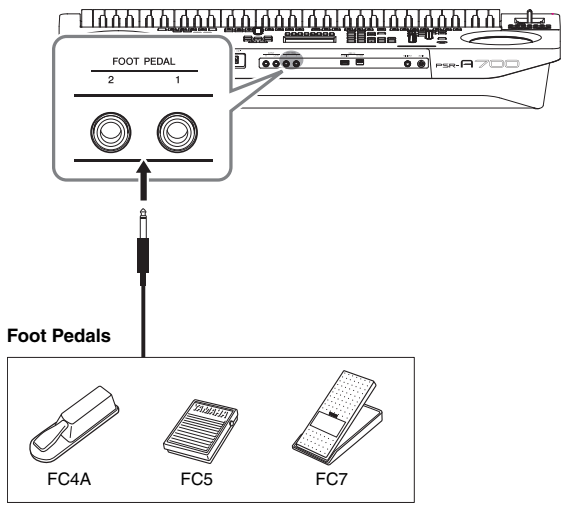
NOTICE

Do not route the output from the OUTPUT jacks to the [AUX IN] jack. If you make this connection, the signal input at the [AUX IN] jack is output from the OUTPUT jacks and then back again, creating a feedback loop that could make normal performance impossible, and may even damage the equipment.

You can use the instrument's [MASTER VOLUME] dial to adjust the volume of the sound output to the external device.

Connecting a Foot Pedal (FOOT PEDAL jacks)

The FC4A or FC5 footswitches and the FC7 foot controller (sold separately) can be connected to one of the FOOT PEDAL jacks. A footswitch can be used for switching functions on and off, while a foot controller controls continuous parameters such as volume.



NOTE

Do not connect or disconnect the pedal when the power is on.

By default, each jack features the following functions.

- **FOOT PEDAL [1]**.... Switches Sustain on or off. Connect an FC4A or FC5 footswitch to this jack.
- **FOOT PEDAL [2]**.... Switches Articulation1 on or off. Connect an FC4A or FC5 footswitch to this jack.

You can also change the function assignments to the pedals as desired.
For information on functions that can be assigned to the pedals, refer to the Reference Manual on the website.

- **Example: Controlling Song Start/Stop by footswitch**

Connect a footswitch (FC4A or FC5) to one of the FOOT PEDAL jacks.
To assign the function to the connected pedal, press the [1 ▲▼] (Song Play/Pause) button in the operation display: [MENU] → TAB [◀] Menu1 → Cursor buttons [▲][▼][◀][▶] Controller → [ENTER] → TAB [◀] Foot Pedal.

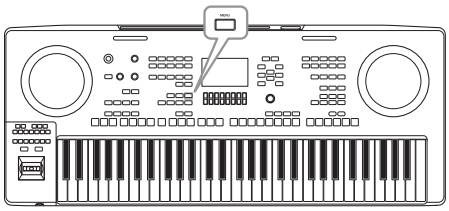
Advanced Features

Refer to the Reference Manual on the website, **Chapter 9**.

Assigning specific functions to each foot pedal:	[MENU] → Menu1 → Controller → [ENTER] → Foot Pedal

11 Function

– Making Global Settings and Using Advanced Features –



The Function menu provides a variety of convenient settings and tools for the instrument. These include general settings that affect the entire instrument, as well as detailed settings for specific functions. Also included are advanced Creator features, such as for Styles, Songs and Multi Pads.

Basic Procedure

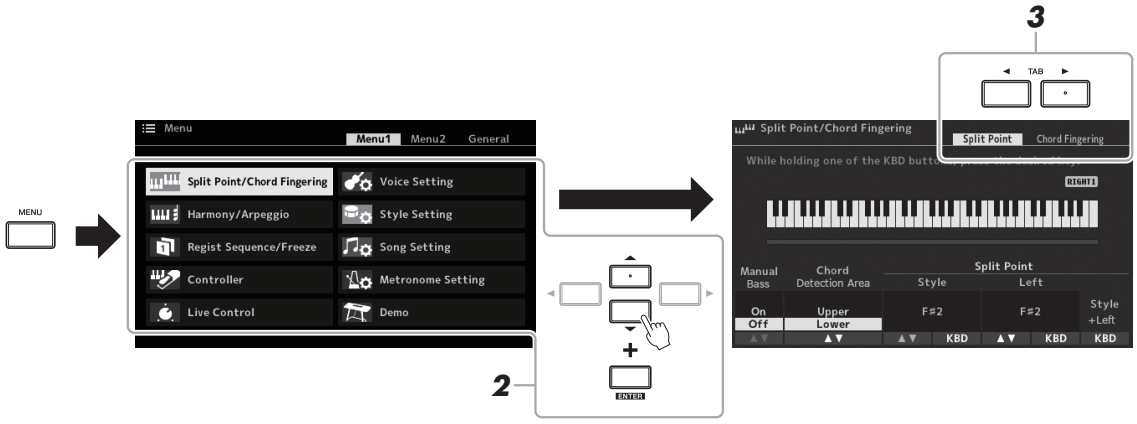
1 Call up the operation display.

[MENU] → TAB [◀][▶] Menu1/Menu2/General



2 Move the cursor to the desired page by using the Cursor buttons [▲][▼][◀][▶], and then press the [ENTER] button.

For information on what you can do on each page, refer to the Function List on page 118.



3 Use the TAB [◀][▶] buttons to call up the desired page.

4 Change the settings or carry out the operation.

Refer to the Function List on page 118 for detailed information.

Function List

This list briefly explains what you can do in the displays which are called up via the [MENU] button. For more information, refer to the page and chapter references indicated below.

Menu1	Description		Owner's Manual	Reference Manual
Split Point/Chord Fingering	Split Point	Determines the Split Point.	page 63	-
	Chord Fingering	Determines the Chord Fingering type.	page 59	Chapter 2
Harmony/Arpeggio		For selecting the Harmony type or the Arpeggio type.	page 47	Chapter 1
Regist Sequence/Freeze	Registration Sequence	Determines the order for calling up Registration Memory settings when using the TAB [◀][▶] buttons or the pedal.	-	Chapter 7
	Freeze	Determines the setting groups (Voice, Style, etc.) that are to remain unchanged even when you call up panel setups via Registration Memory.	-	Chapter 7
Controller	Foot Pedal	Determines the functions assigned to the pedals.	-	Chapter 9
	Setting	For setting the Touch Response of the keyboard, etc.	page 44, 50	Chapter 1
Live Control		Gives you dynamic, intuitive real-time control of your performance, by assigning various functions to the LIVE CONTROL [1] and [2] knobs.	page 45	-
Voice Setting	Setting/Arpeggio	For changing common settings for a Voice.	-	Chapter 1
	Tune	For adjusting the pitch-related parameters for each part.		
	Voice Set Filter	For disabling selection of Voice Sets (effects, etc.).		
Style Setting		For making Style playback related settings such as OTS Link timing, Dynamics Control, etc.	-	Chapter 2
Song Setting		For making Song playback related settings such as Channel settings, Guide mode, Repeat mode, etc.	-	Chapter 3
Metronome Setting		For changing the time signature, volume and sound of the metronome.	-	Chapter 2
Demo		For calling up the Demo.	page 19	Chapter 2

Menu2	Description		Owner's Manual	Reference Manual
Style Creator		For creating a Style by editing the preset Style, or by recording Style channels one by one.	-	Chapter 2
Song Creator		For creating a Song by editing the recorded Song or by entering events one by one.	-	Chapter 3
Multi Pad Creator		For creating a Multi Pad by editing an existing preset Multi Pad, or by recording a new one.	-	Chapter 5
Chord Looper		For recording a sequence of the chords and playing it back in a loop.	page 57	Chapter 2
Chord Tutor		For learning chords. With this function shown in the display, you can see which notes to press for specifying the chord.	page 59	Chapter 2
Master Tune		For fine-tuning the pitch of the entire instrument in approx. 0.2 Hz steps.	page 43	Chapter 1
Scale Tune	Main Scale	Determines the scale type and tuning of the pitch of the desired note (key) in cents.	page 79	Chapter 4
	Sub Scale	For adjusting scales by tuning of the pitch of the desired note (key) in cents to play music you want to play.	page 80	Chapter 4
Expansion		For installing Expansion Packs for adding extra content downloaded from the website or created on your own by using the Yamaha Expansion Manager.	-	Chapter 1

General	Description		Owner's Manual	Reference Manual
MIDI		For making MIDI-related settings.	-	Chapter 9
Utility	Config1	For making general settings such as speaker output, Audio Loopback, etc.	page 110	Chapter 10
	Config2	For making general settings such as pop-up display time, etc.	-	Chapter 10
	Parameter Lock	Determines the parameters (effect, Split Point, etc.) that are to remain unchanged when the panel setups are changed via Registration Memory, One Touch Setting, etc.	-	Chapter 10
	USB	For making settings related to a connected USB flash drive, such as formatting and confirmation of memory size.	page 108	Chapter 10
System	Common	For setting the Owner name, Message language, Auto Power Off, etc.	page 17, 18	Chapter 10
	Backup/Restore	For backing up and restoring the settings and data saved in the User drive of the instrument.	page 35	-
	Setup Files	For saving and recalling the specified settings of the instrument.	-	Chapter 10
	Reset	For restoring the instrument settings to their factory defaults.	-	Chapter 10
Bluetooth		For making settings for connecting the instrument to a Bluetooth-equipped device.	page 113	-
Wireless LAN		For making settings for connecting the instrument to a smart device, via wireless LAN. This appears only when a USB wireless LAN adaptor is connected.	-	Chapter 9

Direct Access Chart

Press the [DIRECT ACCESS] button, and then press one of the buttons (or move the appropriate knob, joystick or pedal) listed below to call up the desired display.

Control		Display called up with the Direct Access function			
STYLE CONTROL	[ACMP]	Menu	Split Point/Chord Fingering	Chord Fingering	
	[AUTO FILL IN]				
	[OTS LINK]		Style Setting		
	[BREAK]				
	INTRO [I], [II], [III]				
	MAIN VARIATION [A], [B], [C], [D]				
	ENDING/rit. [I], [II], [III]				
	[SYNC START]		Split Point/Chord Fingering	Split Point	
	[SYNC STOP]		Style Setting		
	[START/STOP]				
STYLE	STYLE category selection buttons				
CHORD LOOPER	[REC/STOP]	Menu	Chord Looper		
	[ON/OFF]				
SONG CONTROL	[REC]	Menu	Song Setting		
	[■] (STOP)				
	[▶/❚❚] (PLAY/PAUSE)				
	[◀◀] (RW)				
	[▶▶] (FF)				
[USB AUDIO PLAYER]		Audio File Selection display*			
[SONG FUNCTION]		Song Selection display			
TEMPO	[RESET/TAP]	Menu	Metronome Setting		
	[+], [–]		Style Setting		
	[METRONOME]		Metronome Setting		
[FADE IN/OUT]			Utility	Config1	Fade In/Out
TRANSPOSE	[+], [–]	Menu	Controller	Setting	Touch Response
UPPER OCTAVE	[+], [–]	Menu	Voice Setting	Tune	
MULTI PAD CONTROL	[SELECT]	Multi Pad Selection display		Multi Pad Edit	
	[STOP]				
	[1], [2], [3], [4]				
[MIC SETTING]		Mic Setting		Mixer	
[PLAYLIST]		Playlist Selection display			
[MENU]		Menu	MIDI Setting		
[MIXER/EQ]		Mixer		MEQ	
[CHANNEL ON/OFF]				Vol/Pan	
[BALANCE]					
TAB	[◀], [▶]	-			
[ENTER]		-			
[EXIT]		Main			
Data dial		-			
[▲], [▼], [◀], [▶]		-			
[–/NO], [+/YES]		-			

Control		Display called up with the Direct Access function			
VOICE	PART SELECT [LEFT]	Menu	Voice Setting	Voice Set Filter	Left
	PART SELECT [RIGHT 1]				Right1
	PART SELECT [RIGHT 2]				Right2
	PART ON/OFF [LEFT]			Voice Set Filter	Left
	PART ON/OFF [RIGHT 1]				Right1
	PART ON/OFF [RIGHT 2]				Right2
	[LEFT HOLD]		Split Point/Chord Fingering	Split Point	
	VOICE category: others		Voice Setting		
	VOICE category: [EXPANSION/USER]		Expansion		
VOICE EFFECT	[HARMONY/ARPEGGIO]	Menu	Harmony/Arpeggio		
	[SUSTAIN]	Voice Set	-	Effect/EQ	Panel Sustain
	[DSP]	Mixer		Effect	
ONE TOUCH SETTING	[1], [2], [3], [4]	Style Information			
REGISTRATION MEMORY	REGIST BANK [+], [–]	Menu	Regist Sequence/Freeze	Registration Sequence	
	[FREEZE]			Freeze	
	[MEMORY]			Registration Sequence	
	[1], [2], [3], [4]	Regist Bank Information			
	[5], [6], [7], [8]				
FOOT PEDAL [1], [2]		Menu	Controller	Foot Pedal	1, 2
Joystick	[MODULATION HOLD]	Menu	Controller	Setting	Modulation (+)
	X(+)				Pitch Bend Range
	X(–)				
	Y(+)				Modulation (+)
	Y(–)				Modulation (–)
LIVE CONTROL	[1], [2]	Menu	Live Control		
	[ASSIGN]				
STYLE TEMPO LOCK		Menu	Style Setting	Setting 1	
SCALE TUNE	SETTING C - B	Menu	Scale Tune		
	MEMORY	Scale Tune Memory Bank			
	MEMORY 1 – 5	Scale Tune Memory Bank	-	-	Scale Tune Memory Bank Edit
	BYPASS	Menu	Scale Tune		

* This display is called up only when the USB flash drive is being connected to USB [TO DEVICE] terminal of this instrument.

Troubleshooting

Overall	
A click or pop is heard when the power is turned on or off.	This is normal. Electrical current is being applied to the instrument.
The power is automatically turned off.	This is normal and due to the Auto Power Off function. If necessary, set the parameter of the Auto Power Off function (page 17).
Noise is heard from the instrument's speakers.	Noise may be heard if a mobile phone is used near the instrument or if the phone is ringing. Turn off the mobile phone, or use it further away from the instrument.
Noise is heard from the instrument's speakers or headphones when using the instrument with the application on smart device.	When you use the instrument along with the application on your smart device, we recommend that you set "Airplane Mode" to "ON" on your smart device in order to avoid noise caused by communication.
In the LCD, there are some specific points that are always lit or unlit.	These are the result of defective pixels and occasionally occur in TFT-LCDs; they do not indicate a problem in operation.
There is a slight difference in sound quality among different notes played on the keyboard.	This is normal and is a result of the instrument's sampling system.
Some Voices have a looping sound.	
Some noise or vibrato is noticeable at higher pitches, depending upon the Voice.	
The overall volume is too low or no sound is heard.	The master volume may be set too low. Set it to an appropriate level with the [MASTER VOLUME] dial.
	All keyboard parts are set to off. Use the PART ON/OFF [RIGHT 1]/[RIGHT 2]/[LEFT] button to turn it on.
	The volume of the individual parts may be set too low. Raise the volume in the Balance display (page 62).
	Make sure the desired channel is set to On (pages 60, 71).
	Headphones are connected, disabling the speaker output. Unplug the headphones.
	Make sure that the Speaker setting is set to On: [MENU] → General → Utility → [ENTER] → Config1.
	The [FADE IN/OUT] button is on, muting the sound. Press the [FADE IN/OUT] button to turn the function off.
The sound is distorted or noisy.	The volume may be turned up too high. Make sure all relevant volume settings are appropriate.
	This may be caused by certain effects or filter settings. Check the effect or filter settings and change them accordingly, referring to the Reference Manual.
Not all simultaneously played notes sound.	You are probably exceeding the maximum polyphony (page 124) of the instrument. When the maximum polyphony is exceeded, the earliest played notes will stop sounding, letting the latest played notes sound.
The keyboard volume is lower than the Song/Style playback volume.	The volume of the keyboard parts may be set too low. Raise the volume in the Balance display (page 62).
The Main display does not appear even when turning the power on.	This may occur if a USB flash drive has been installed to the instrument. Installation of some USB flash drives may result a long interval between turning the power on and appearance of the Main display. To avoid this, turn the power on after disconnecting the device.
Some characters of the file/folder name are garbled.	The language settings have been changed. Set the appropriate language for the file/folder name (page 18).

An existing file is not shown.	The file extension (.MID, etc.) may have been changed or deleted. Manually rename the file, adding the appropriate extension, on a computer.
	Data files with names of more than 50 characters cannot be handled by the instrument. Rename the file, reducing the number of characters to 50 or less.
Voice	
The Voice selected from the Voice Selection display does not sound.	Check whether or not the selected part is turned on (page 41). If necessary, press the appropriate PART ON/OFF button to turn the part on.
A strange “flanging” or “doubling” sound occurs. The sound is slightly different each time the keys are played.	The RIGHT 1 and RIGHT 2 parts are set to “ON,” and both parts are set to play the same Voice. Turn off the RIGHT 2 part or change the Voice of one of the parts.
Some Voices will jump an octave in pitch when played in the upper or lower registers.	This is normal. Some Voices have a pitch limit which, when reached, causes this type of pitch shift.
MegaVoice does not sound when playing the keyboard.	This is normal. The MegaVoice function makes special use of velocity switching to express the sounds of various performance techniques. MegaVoice does not sound in the area only for expressing “Mute” or “empty” sound when playing the keyboard. For more information, refer to page 39.
Style	
The Style does not start even when the [START/STOP] button is pressed.	The Rhythm channel of the selected Style may not contain any data. Turn the [ACMP] button on and play left-hand section on the keyboard to sound the accompaniment part of the Style.
Only the rhythm channel plays.	Make sure the Auto Accompaniment function is turned on; press the [ACMP] button.
	Make sure to play keys in the chord section of the keyboard (page 63, 64).
Styles in a USB flash drive cannot be selected.	If the size of the Style data is large (about 120 KB or greater), the Style cannot be selected because the data is too large to be handled by the instrument.
Song	
Songs cannot be selected.	This may be because the language settings have been changed. Set the appropriate language for the Song file name.
	If the size of the Song data is large (about 300 KB or greater), the Song cannot be selected because the data is too large to be handled by the instrument.
Song playback does not start.	The Song has been stopped at the end of the Song data. Return to the beginning of the Song by pressing the SONG [■] (STOP) button.
	In the case of a Song to which write-protect has been applied, there are some restrictions and playback may not be possible. For details, refer to page 27.
Song playback stops before the Song is finished.	The Guide function is turned on. (In this case, playback is “waiting” for the correct key to be played.) Press the [SONG FUNCTION] button to call up the Song Function Menu display, and then press one of the [6 ▲▼] (Guide) buttons to turn off the Guide function.
The measure number is different from that of the score in the Song Position display, shown by pressing the [◀◀] (REW)/[▶▶] (FF) buttons.	This happens when playing back music data for which a specific, fixed tempo is set.
When playing back a Song, some channels do not play.	Playback of these channels may be set to “Off.” Turn playback on for those channels that are set to “Off” (page 71).
The tempo, beat, measure and music notation is not displayed correctly.	Some Song data for the instrument has been recorded with special “free tempo” settings. For such Song data, the tempo, beat, measure and music notation will not be displayed correctly.

USB Audio Player/Recorder	
A message indicating the drive is busy appears, and the recording is aborted.	Make sure to use a compatible USB flash drive (page 107).
	The USB flash drive may not have enough memory. Check the Recordable Time on the display (page 88).
	If you are using a USB flash drive to which data has already been recorded, check first that no important data remains on the device, and then format it (page 108) and try recording again.
Audio files cannot be selected.	The file format may not be compatible with the instrument. The compatible format is only WAV. The DRM protected files cannot be played back.
Recorded file is played back at a different volume compared to when it was recorded.	The audio playback volume has been changed. Setting the volume value to 100 plays back the file at the same volume as when it was recorded (page 86).
Mixer	
The sound seems strange or different than expected when changing a rhythm Voice (Drum kit, etc.) of the Style or Song from the Mixer.	When changing the rhythm/percussion Voices (Drum kits, etc.) of the Style and Song from the VOICE parameter, the detailed settings related to the drum voice are reset, and in some cases you may be unable to restore the original sound. In the case of Song playback, you can restore the original sound by returning to the beginning of the Song and playing back from that point. In the case of Style play, you can restore the original sound by selecting the same Style again.
Foot Pedal	
The on/off setting of the footswitch connected to the FOOT PEDAL jack is reversed.	Change the polarity settings: [MENU] → Menu1 → Controller → [ENTER] → Setting → 5 Pedal Polarity.
Connections	
The speakers do not switch off when a pair of headphones is connected to the [PHONES] jack.	The Speaker setting is “On.” Change the speaker setting to “Headphone Switch” via [MENU] → General → Utility → [ENTER] → Config1 → 1 Speaker.
The Wireless LAN icon is not shown in the Menu display even though the USB wireless LAN adaptor is connected.	Disconnect the USB wireless LAN adaptor and connect it again.
The Bluetooth-equipped device cannot be paired with nor connected to the instrument.	Check that the Bluetooth function of the Bluetooth-equipped device is activated. To connect the Bluetooth-equipped device and the instrument, Bluetooth function of both devices need to be turned on.
	The Bluetooth-equipped device and the instrument need to be paired to connect each other via Bluetooth (page 113).
	In case there is a device (microwave oven, wireless LAN device, etc.) that outputs signals in the 2.4 GHz frequency band nearby, move this instrument away from the device that is emitting radio-frequency signals.

Specifications

Product Name			Digital Keyboard
Size/Weight	Dimensions (W x H x D)		993 mm x 143 mm x 404 mm (39-1/8" x 5-5/8" x 15-7/8")
	Weight		8.1 kg (17 lb, 14 oz)
Control Interface	Keyboard	Number of Keys	61
		Type	Organ, Initial Touch
		Touch Response	Normal, Soft1, Soft2, Hard1, Hard2
	Other Controllers	Joystick	Yes
		Knobs	2 (Assignable)
		Scale Tune Memory Buttons	5
		Scale Tune Setting Buttons	Yes
	Display	Type	TFT Color WQVGA LCD
		Size	480 x 272 dots (4.3 inch)
		Language	English, Chinese, German, French, Spanish, Italian
	Panel	Language	English
Voices	Tone Generator		AWM Stereo Sampling
	Polyphony (max.)		128
	Preset	Number of Voices	1144 Voices + 86 Drum/SFX Kits + 480 XG Voices (including 306 Middle Eastern Voices, 44 Middle Eastern Drum Kits)
		Featured Voices	226 S.Articulation!, 25 MegaVoice
	Compatibility (for Song playback)		XG, GM, GM2
	Keyboard Parts		Right 1, Right 2, Left
Effects	Types	DSP Block	DSP1 (Variation): 322 Preset + 30 User DSP2-9 (Insertion): 322 Preset + 30 User
		Reverb Block	59 Preset + 30 User
		Chorus Block	106 Preset + 30 User
		Master Compressor	5 Preset + 30 User
		Master EQ	5 Preset + 30 User
		Part EQ	27 Parts
		Mic Effects	Noise Gate x 1, Compressor x 1, 3-Band EQ x 1
Style	Preset	Number of Styles	473 (including 279 Middle Eastern Styles)
		Featured Styles	Pro: 448, Session: 15, DJ Style: 10
		Fingering	Single Finger, Fingered, Fingered On Bass, Multi Finger, AI Fingered, Full Keyboard, AI Full Keyboard, Smart Chord
		Style Control	INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3
	Other Features	One Touch Setting (OTS)	4 for each Style
		Chord Looper	Yes
		Style Section Reset	Yes
	Compatibility		Style File Format (SFF), Style File Format GE (SFF GE)
Expandability	Expansion Voice		Yes (approx. 700MB)
	Expansion Style		Yes (Internal Memory)
Songs (MIDI)	Preset	Number of Preset Songs	6 Demo Songs, 2 Preset Songs
	Recording	Number of Tracks	16
		Data Capacity	approx. 1 MB/Song
		Function	Quick Recording, Multi Track Recording
	Format	Playback	SMF (Format 0 & 1), XF
		Recording	SMF (Format 0)
Multi Pads	Number of Multi Pad Banks		257 Banks x 4 Pads
	Audio Link		Yes
Functions	Voices	Harmony	Yes
		Arpeggio	Yes
		Panel Sustain	Yes
		Mono/Poly	Yes
		Voice Information	Yes
	Styles	Style Creator	Yes
		OTS Information	Yes
	Songs	Song Creator	Yes
		Score Display Function	Yes
		Lyrics Display Function	Yes
		Guide	Follow Lights, Any Key, Karao-Key, Your Tempo

Functions	Multi Pads	Multi Pad Creator	Yes
	Registration Memory	Number of Buttons	8
		Control	Registration Sequence, Freeze
	Playlist		500 (max.) Records per Playlist file
	USB Audio Player/ Recorder	Recording Time (max.)	80 minutes/Song
		Recording	WAV (44.1 kHz, 16-bit, stereo)
		Playback	WAV (44.1 kHz, 16-bit, stereo)
		Time Stretch	Yes
		Pitch Shift	Yes
		Vocal Cancel	Yes
	Overall Controls	Metronome	Yes
		Tempo Range	5 – 500, Tap Tempo
		Transpose	–12 – 0 – +12
		Tuning	414.8 – 440.0 – 466.8 Hz (approx. 0.2 Hz increments)
		Octave Button	Yes
		Scale Type	12 Types
		Sub Scale Setting	Yes
		Scale Tune Memory	5
	Miscellaneous	Demo	Yes
		USB audio interface	44.1 kHz, 16-bit, stereo
		Direct Access	Yes
		Text Display Function	Yes
Storage and Connectivity	Storage	Internal Memory	Yes (approx. 20 MB)
		External Drives	USB flash drive
	Connectivity	DC IN	16 V
		Headphones	Standard stereo phone jack
		Microphone	Standard mono phone jack
		FOOT PEDAL	1 (Sustain), 2 (Articulation1), Function Assignable
		AUX IN	Stereo mini jack
		OUTPUT	L/L+R, R
		USB TO DEVICE	USB Type-A
		USB TO HOST	USB Type-C™
		Bluetooth	Yes • Bluetooth version: 5.0 • Supported profile: A2DP • Compatible codec: SBC • Wireless output: Bluetooth class 2 • Maximum communication distance: about 10 m • Radio Frequency: 2401.5–2480.5 MHz • Maximum output power (EIRP): +6.94 dBm • Type of modulation: GFSK, π/4 DQPSK, 8DPSK
Sound System	Amplifiers		15 W x 2
	Speakers		12 cm x 2
Power Supply	AC Adaptor		PA-300C (Output: DC 16 V, 2.4 A)
	Power Consumption		18 W (When using PA-300C AC adaptor)
	Standby Power Consumption		0.3 W
	Auto Power Off		Yes
Included Accessories			• Owner's Manual (this book) • Online Member Product Registration • Music rest • AC Adaptor (PA-300C)*, Power cord* * May not be included depending on your area. Check with your Yamaha dealer.
Separately Sold Accessories (May not be available depending on your locale.)			• AC adaptor: PA-300C • Headphones: HPH-50, HPH-100, HPH-150 • Keyboard Bag: SC-KB650 • Footswitches: FC4A, FC5 • Foot controller: FC7 • USB wireless LAN adaptor: UD-WL01 • Wireless MIDI adaptor: UD-BT01*1 • Subwoofer: KS-SW100 • Keyboard stand: L-6*2, L-7B *1 A USB A-C data transfer cable less than 3 meters (sold separately) is required. *2 The exterior size of the PSR-A700 is beyond the limits as described in the L-6 Assembly Instructions. However, we have determined through tests that the stand can be safely used for the instrument.

* The contents of this manual apply to the latest specifications as of the printing date. To obtain the latest manual, access the Yamaha website then download the manual file. Since specifications, equipment or separately sold accessories may not be the same in every locale, please check with your Yamaha dealer.

Index

Symbols

[+/YES] [-/NO] buttons 23
[1 ▲▼] – [8 ▲▼] buttons 24

A

A-B Repeat 73, 86
AC adaptor 16
Accessories 7
ACMP 54
Arpeggio 47, 49, 118
Audio File 20, 84
Audio Link Multi Pad 94
Audio Player/Recorder 84, 87
Auto Accompaniment 52
Auto Fill 55
Auto Power Off 17

B

Backup 35, 118
Balance 62
Bar 21
Beat 21
Bluetooth 113
Break (Style) 55

C

Channel 71
Character-entry 33
Chord 59
Chord Fingering 59, 118
Chord Looper 57
Chord Match 93
Chord Tutor 59
Chorus 90
Compressor 105
Computer 13, 109
Computer-related Operations 7, 13
Config1 118
Config2 118
Connection 106
Copy (File) 31
Cursor buttons 22
Cut (File) 31

D

Data dial 23
Data List 7
Delete 32
Demo 19, 39
Direct Access 25
Direct Access Chart 119
Display 20
Drum Setup 65
DSP
(Digital Signal Processor) 47, 90

E

Echo 47
Effect 47, 105
Ending section 54
EQ 105
EXIT 24
Expansion Pack 51
External 104

F

Factory Reset 34
Fade In/Out 56, 69
Fast Forward 68
File Management 27
File Selection Display 26
Fill-in section 55
Filter 105
Fingering Type 59
Folder 29
Foot Pedal 116, 118
Format 8
Format (USB Flash Drive) 108
Freeze 99, 118
Function 117
Function List 118

G

General 118
GM 8
Guide 71

H

Harmony 47, 118
Headphones 18

I

Insertion 90
Intro section 54

J

joystick 44

K

Knob 45

L

Lamp Status 55, 93, 97
Language 18
Layer 41
Left Hold 42
LIVE CONTROL Knob 45
Lyrics 70

M

Main Display 20
Master EQ 105
Master Tune 43, 118
Menu1/Menu2 118
Message 25
Metronome 42
MIC INPUT 106
Mic Setting 89
Mixer 104
Multi Pad 20, 92

Multi Pad Creator 95, 118
Multi Track Recording 76
Music Notation 69

N

Name (File).....30
Next (Song Playback) 68

O

One Touch Setting (OTS).....61
OTS Link.....61
Output 115

P

Panel Control.....14
Panel Setup (Panel Settings).....15, 36
Panel Sustain.....47
Parameter Lock 118
Part Select (Voice).....41
Pause 68, 86
Phrase Mark 69
Pitch 43
Pitch Shift 87
Playlist 96
Portable Audio Player.....112
Power 16
Preset 26, 68
Protected Song 27

Q

Quick Recording 74

R

Rear Panel.....15, 106
Recording (Audio).....87
Recording (MIDI).....74
Reference Manual 7, 12
REGIST BANK.....98
Registration Memory 21, 96
Registration Sequence..... 21, 99, 118
Repeat.....72, 86
Reset 118
Restore 35
Reverb.....90
Rewind 68

S

S.Art Voice 39
Save (File) 28
Scale Tune 21, 51, 78, 118
Score.....69
Section (Style).....55
SFF/SFF GE.....8
Smart Device Connection Manual 7, 13
Song.....20, 67
Song Creator.....77, 118
Song Setting 118
Specifications 124
Split Point 63, 118
START/STOP.....54
Style 20, 52
Style Creator 65, 118
Style File Format (SFF).....8
Style Setting 118
Super Articulation Voices.....39
Synchro Start 53, 54, 68, 93
Synchro Stop 54
System 118

T

TAB [◀][▶] buttons 24
Talk 91
Tempo.....21, 56, 69
Text 70
Time Stretch.....87
Top Panel..... 14
Touch Response.....50
Transpose 21, 43
Troubleshooting 121
Tuning 43

U

UP (File) 27
Upper Octave 21, 43
USB.....26, 67, 107
USB Audio Interface 109
USB Audio Player/Recorder 78, 84
USB flash drive 107
USB wireless LAN adaptor ...107, 111
User 26, 68
Utility 118

V

Vocal Cancel 87
Voice.....20, 38
Voice Setting..... 118
Volume (Master Volume) 17
Volume Balance..... 62

W

Wireless LAN 107, 111
WLAN..... 62, 104

X

XF..... 8
XG..... 8

Y

Yamaha Expansion Manager 13

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(58-M02 WEEE en 01)

For United Kingdom

SIMPLIFIED UK DECLARATION OF CONFORMITY

Hereby, Yamaha Corporation declares that the [PSR-A700] is in compliance with the Product Security and Telecommunications Infrastructure Regulations. The full text of the UK Declaration of Conformity is available at the following internet address:

https://europe.yamaha.com/en/support/compliance/doc.html

(657-M01 UK cybersecurity 01)

For European Union and United Kingdom

EN **SIMPLIFIED EU DECLARATION OF CONFORMITY / SIMPLIFIED UK DECLARATION OF CONFORMITY**

Hereby, Yamaha Corporation declares that the radio equipment type [PSR-A700] is in compliance with Directive 2014/53/EU and the radio equipment regulations of UK. The full texts of the EU declaration of conformity and the UK declaration of conformity are available at the following internet address:

https://europe.yamaha.com/en/support/compliance/doc.html

FR **DECLARATION UE DE CONFORMITE SIMPLIFIEE**

Le soussigné, Yamaha Corporation, déclare que l'équipement radioélectrique du type [PSR-A700] est conforme à la directive 2014/53/UE. Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante:

https://europe.yamaha.com/en/support/compliance/doc.html

DE **VEREINFACHTE EU-KONFORMITÄTSERKLÄRUNG**

Hiermit erklärt Yamaha Corporation, dass der Funkanlagentyp [PSR-A700] der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:

https://europe.yamaha.com/en/support/compliance/doc.html

SV **FÖRENKLAD EU-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE**

Härmed försäkrar Yamaha Corporation att denna typ av radioutrustning [PSR-A700] överensstämmer med direktiv 2014/53/EU. Den fullständiga texten till EU-försäkran om överensstämmelse finns på följande webbadress:

https://europe.yamaha.com/en/support/compliance/doc.html

IT **DICHIARAZIONE DI CONFORMITÀ UE SEMPLIFICATA**

Il fabbricante, Yamaha Corporation, dichiara che il tipo di apparecchiatura radio [PSR-A700] è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet:

https://europe.yamaha.com/en/support/compliance/doc.html

ES **DECLARACIÓN UE DE CONFORMIDAD SIMPLIFICADA**

Por la presente, Yamaha Corporation declara que el tipo de equipo radioeléctrico [PSR-A700] es conforme con la Directiva 2014/53/UE. El texto completo de la declaración UE de conformidad está disponible en la dirección Internet siguiente:

https://europe.yamaha.com/en/support/compliance/doc.html

PT **DECLARAÇÃO UE DE CONFORMIDADE SIMPLIFICADA**

O(a) abaixo assinado(a) Yamaha Corporation declara que o presente tipo de equipamento de rádio [PSR-A700] está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet:

https://europe.yamaha.com/en/support/compliance/doc.html

NL **VEREENVOUDIGDE EU-CONFORMITEITSVERKLARING**

Hierbij verklaar ik, Yamaha Corporation, dat het type radioapparatuur [PSR-A700] conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres:

https://europe.yamaha.com/en/support/compliance/doc.html

BG **ОПРОСТЕНА ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ**

С настоящото Yamaha Corporation декларира, че този тип радиосъоръжение [PSR-A700] е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:

https://europe.yamaha.com/en/support/compliance/doc.html

CS **ZJEDNODUŠENÉ EU PROHLÁŠENÍ O SHODĚ**

Tímto Yamaha Corporation prohlašuje, že typ rádiového zařízení [PSR-A700] je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:

https://europe.yamaha.com/en/support/compliance/doc.html

DA **FORENKLET EU-OVERENSSTEMMELSESERKLÆRING**

Hermed erklærer Yamaha Corporation, at radioudstyrstypen [PSR-A700] er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:

https://europe.yamaha.com/en/support/compliance/doc.html

ET **LIHTSUSTATUD ELI VASTAVUSDEKLARATSIOON**

Käesolevaga deklareerib Yamaha Corporation, et käesolev raadioseadme tüüp [PSR-A700] vastab direktiivi 2014/ 53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil:

https://europe.yamaha.com/en/support/compliance/doc.html

EL **ΑΠΛΟΥΣΤΕΥΜΕΝΗ ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ**

Με την παρούσα ο/η Yamaha Corporation, δηλώνει ότι ο ραδιοεξοπλισμός [PSR-A700] πληροί την οδηγία 2014/ 53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο:

https://europe.yamaha.com/en/support/compliance/doc.html

HR **POJEDNOSTAVLJENA EU IZJAVA O SUKLADNOSTI**

Yamaha Corporation ovime izjavljuje da je radijska oprema tipa [PSR-A700] u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi:

https://europe.yamaha.com/en/support/compliance/doc.html

LV **VIENKĀRŠOTA ES ATBILSTĪBAS DEKLARĀCIJA**

Ar šo Yamaha Corporation deklarē, ka radioiekārta [PSR-A700] atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē:

https://europe.yamaha.com/en/support/compliance/doc.html

LT **SUPAPRASTINTA ES ATITIKTIES DEKLARACIJA**

Aš, Yamaha Corporation, patvirtinu, kad radijo įrenginių tipas [PSR-A700] atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu:

https://europe.yamaha.com/en/support/compliance/doc.html

HU **EGYSZERŰSÍTETT EU-MEGFELELŐSÉGI NYILATKOZAT**

Yamaha Corporation igazolja, hogy a [PSR-A700] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen:

https://europe.yamaha.com/en/support/compliance/doc.html

PL **UPROSZCZONA DEKLARACJA ZGODNOŚCI UE**

Yamaha Corporation niniejszym oświadcza, że typ urządzenia radiowego [PSR-A700] jest zgodny z dyrektywą 2014/ 53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym:

https://europe.yamaha.com/en/support/compliance/doc.html

RO **DECLARAȚIA UE DE CONFORMITATE SIMPLIFICATĂ**

Prin prezenta, Yamaha Corporation declară că tipul de echipamente radio [PSR-A700] este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet:

https://europe.yamaha.com/en/support/compliance/doc.html

SK **ZJEDNODUŠENÉ EÚ VYHLÁSENIE O ZHODE**

Yamaha Corporation týmto vyhlasuje, že rádiové zariadenie typu [PSR-A700] je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:

https://europe.yamaha.com/en/support/compliance/doc.html

SL **POENOSTAVLJENA IZJAVA EU O SKLADNOSTI**

Yamaha Corporation potrjuje, da je tip radijske opreme [PSR-A700] skladen z Direktivo 2014/53/EU. Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem spletnem naslovu:

https://europe.yamaha.com/en/support/compliance/doc.html

FI **YKSINKERTAISTETTU EU-VAATIMUSTENMUKAISUUSVAKUUTUS**

Yamaha Corporation vakuuttaa, että radiolaitetyyppi [PSR-A700] on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa:

https://europe.yamaha.com/en/support/compliance/doc.html

TR **BASİTLEŞTİRİLMİŞ AVRUPA BİRLİĞİ UYGUNLUK BİLDİRİMİ**

İşbu belge ile, Yamaha Corporation, radyo cihaz tipinin [PSR-A700], Direktif 2014/53/ AB'ye uygunluğunu beyan eder. AB uyumu beyanının tam metni aşağıdaki internet adresinden edinilebilir:

https://europe.yamaha.com/en/support/compliance/doc.html

Important Notice: Power management information for customers in European Economic Area (EEA), Switzerland and Turkey

Remarque importante : Informations sur la gestion de l'alimentation pour les clients de l'Espace économique européen (EEE), de Suisse et de Turquie

Yamaha products are equipped with a power management function. Some products allow you to disable that function, or to extend the amount of time that elapses before the power is turned off or set to standby. In these cases, energy consumption will increase.	**English**
Yamaha-Produkte sind mit einer Power-Management-Funktion ausgestattet. Bei einigen Produkten können Sie diese Funktion ausschalten oder die Zeitdauer, die verstreicht, bis das Instrument ausgeschaltet oder in Bereitschaft versetzt wird, verlängern. In diesen Fällen erhöht sich der Energieverbrauch.	**Deutsch**
Les produits Yamaha sont équipés d'une fonction de gestion de l'alimentation. Certains produits vous permettent de désactiver cette fonction ou d'allonger le délai avant la mise hors tension ou la mise en veille. Dans ces cas, la consommation d'énergie augmente.	**Français**
Yamaha-producten zijn uitgerust met een energiebeheerfunctie. Bij sommige producten kunt u die functie uitschakelen of de tijd verlengen die verstrijkt voordat de stroom wordt uitgeschakeld of in stand-by wordt gezet. In deze gevallen zal het energieverbruik toenemen.	**Nederlands**
Los productos Yamaha están equipados con una función de administración de energía. Algunos productos permiten desactivar esa función o ampliar el tiempo que transcurre antes de apagar la alimentación o poner el producto en modo de espera. En estos casos, el consumo de energía aumentará.	**Español**
I prodotti Yamaha sono dotati di una funzione di gestione dell'alimentazione. Alcuni prodotti consentono di disattivare tale funzione o di estendere il periodo di tempo che trascorre prima che l'alimentazione venga spenta o impostata in standby. In questi casi, il consumo energetico aumenterà.	**Italiano**
Os produtos Yamaha são equipados com uma função de gerenciamento de energia. Alguns produtos permitem desativar essa função ou estender o tempo decorrido antes de se desligar ou entrar em standby. Nesses casos, o consumo de energia aumentará.	**Português**
Τα προϊόντα της Yamaha είναι εξοπλισμένα με μια λειτουργία διαχείρισης ισχύος. Ορισμένα προϊόντα σάς δίνουν τη δυνατότητα να απενεργοποιείτε αυτή τη λειτουργία ή να επεκτείνετε το χρονικό διάστημα μέχρι την απενεργοποίηση ή τη θέση σε κατάσταση αναμονής. Σε αυτές τις περιπτώσεις, η κατανάλωση ενέργειας θα αυξηθεί.	**Ελληνικά**
Yamaha-produkterna är utrustade med en energihanteringsfunktion. För vissa produkter kan du inaktivera den funktionen eller för att förlänga tiden som förflutit innan strömmen stängs av eller ställs i vänteläge. I dessa fall ökar energiförbrukningen.	**Svenska**
Yamahas produkter har en strømstyringsfunktion. På nogle produkter er det muligt at deaktivere denne funktion eller at forlænge den tid, der går, før der slukkes for strømmen, eller sættes på standby. I disse tilfælde vil strømforbruget stige.	**Dansk**
Yamaha-tuotteet on varustettu virranhallintatoiminnolla. Joissakin tuotteissa voit poistaa toiminnon käytöstä tai pidentää aikaa, joka kuluu ennen virran katkaisemista tai valmiustilaan asettamista. Näissä tapauksissa energiankulutus kasvaa.	**Suomi**
Produkty Yamaha są wyposażone w funkcję zarządzania energią. Niektóre produkty umożliwiają wyłączenie tej funkcji lub wydłużenie czasu, jaki upływa do wyłączenia zasilania lub przejścia w tryb gotowości. W takich przypadkach zużycie energii wzrośnie.	**Polski**
Produkty Yamaha jsou vybaveny funkcí správy napájení. Některé produkty umožňují tuto funkci zakázat nebo prodloužit dobu, která má uběhnout před vypnutím napájení nebo pohotovostním režimem. V těchto případech se zvýší spotřeba elektřiny.	**Čeština**
A Yamaha termékek energiamenedzsment funkcióval vannak ellátva. Egyes termékek lehetővé teszik, hogy letiltsa ezt a funkciót, vagy meghosszabbítsa a kikapcsolás vagy készenléti állapotba helyezés előtt eltelt időt. Ezekben az esetekben az energiafogyasztás növekedni fog.	**Magyar**
Yamaha tooted on varustatud toitehalduse funktsiooniga. Mõned tooted võimaldavad teil selle funktsiooni keelata või pikendada aega, mis möödub enne toite väljalülitamist või ooterežiimi seadmist. Sellistel juhtudel suureneb energiattarbimine.	**Eesti**
Yamaha izstrādājumi ir aprīkoti ar barošanas pārvaldības funkciju. Dažiem izstrādājumiem šo funkciju var atspējot vai paildzināt laiku, kam jāpaiet pirms barošanas atslēgšanas vai pāriešanas gaidstāves režīmā. Šādā gadījumā palielināsies enerģijas patēriņš.	**Latviešu**
„Yamaha" gaminiuose yra energijos sąnaudų valdymo funkcija. Kai kurie gaminiai leidžia išjungti šią funkciją arba pratęsti laiką, praėjusį prieš išjungiant maitinimą arba įjungiant budėjimo režimą. Tokiais atvejais energijos suvartojimas padidės.	**Lietuvių**
Produkty spoločnosti Yamaha sú vybavené funkciou správy napájania. Niektoré produkty vám umožňujú túto funkciu vypnúť alebo predĺžiť čas, po uplynutí ktorých sa napájanie vypne alebo nastaví do pohotovostného režimu. V takýchto prípadoch sa zvýši spotreba energie.	**Slovenčina**
Yamahini izdelki imajo funkcijo upravljanja z napajanjem. Nekateri izdelki vam omogočajo, da onemogočite to funkcijo ali podaljšate čas, ki mora preteči, preden se napajanje izklopi ali nastavi v stanje pripravljenosti. V teh primerih se bo poraba energije povečala.	**Slovenščina**
Продуктите на Yamaha са снабдени с функция за управление на захранването. Някои продукти ви позволяват да забраните тази функция или да удължите времето, което ще изтече, преди захранването да се изключи или да се настрои в режим на готовност. В тези случаи консумацията на енергия ще се увеличи.	**Български**
Produsele Yamaha sunt echipate cu o funcție de gestionare a energiei. Unele produse vă permit să dezactivați această funcție sau să prelungiți perioada de timp care trece înainte ca alimentarea să fie oprită sau setată în standby. În aceste cazuri, consumul de energie va crește.	**Română**
Yamaha proizvodi opremljeni su funkcijom upravljanja potrošnjom energije. Neki vam proizvodi omogućuju onemogućavanje te funkcije ili produljenje vremena koje protekne prije isključivanja napajanja ili postavljanja u stanje pripravnosti. U tim će se slučajevima povećati potrošnja energije.	**Hrvatski**
Yamaha ürünlerinde güç yönetimi işlevi vardır. Bazı ürünler, bu işlevi devre dışı bırakmanıza veya güç kapatılmadan ya da bekleme moduna alınmadan önce geçen süreyi uzatmanıza olanak tanır. Bu gibi durumlarda, enerji tüketimi artacaktır.	**Türkçe**

Important Notice: Guarantee Information for customers in European Economic Area (EEA) and Switzerland

Important Notice: Guarantee Information for customers in EEA* and Switzerland — English

For detailed guarantee information about this Yamaha product, and Pan-EEA* and Switzerland warranty service, please either visit the website address below (Printable file is available at our website) or contact the Yamaha representative office for your country. * EEA: European Economic Area

Wichtiger Hinweis: Garantie-Information für Kunden in der EWR* und der Schweiz — Deutsch

Für nähere Garantie-Information über dieses Produkt von Yamaha, sowie über den Pan-EWR*- und Schweizer Garantieservice, besuchen Sie bitte entweder die folgend angegebene Internetadresse (eine druckfähige Version befindet sich auch auf unserer Webseite), oder wenden Sie sich an den für Ihr Land zuständigen Yamaha-Vertrieb. *EWR: Europäischer Wirtschaftsraum

Remarque importante: informations de garantie pour les clients de l'EEE et la Suisse — Français

Pour des informations plus détaillées sur la garantie de ce produit Yamaha et sur le service de garantie applicable dans l'ensemble de l'EEE ainsi qu'en Suisse, consultez notre site Web à l'adresse ci-dessous (le fichier imprimable est disponible sur notre site Web) ou contactez directement Yamaha dans votre pays de résidence. * EEE : Espace Economique Européen

Belangrijke mededeling: Garantie-informatie voor klanten in de EER* en Zwitserland — Nederlands

Voor gedetailleerde garantie-informatie over dit Yamaha-product en de garantieservice in heel de EER* en Zwitserland, gaat u naar de onderstaande website (u vind een afdrukbaar bestand op onze website) of neemt u contact op met de vertegenwoordiging van Yamaha in uw land. * EER: Europese Economische Ruimte

Aviso importante: información sobre la garantía para los clientes del EEE* y Suiza — Español

Para una información detallada sobre este producto Yamaha y sobre el soporte de garantía en la zona EEE* y Suiza, visite la dirección web que se incluye más abajo (la version del archivo para imprimir esta disponible en nuestro sitio web) o póngase en contacto con el representante de Yamaha en su país. * EEE: Espacio Económico Europeo

Avviso importante: informazioni sulla garanzia per i clienti residenti nell'EEA* e in Svizzera — Italiano

Per informazioni dettagliate sulla garanzia relativa a questo prodotto Yamaha e l'assistenza in garanzia nei paesi EEA* e in Svizzera, potete consultare il sito Web all'indirizzo riportato di seguito (è disponibile il file in formato stampabile) oppure contattare l'ufficio di rappresentanza locale della Yamaha. * EEA: Area Economica Europea

Aviso importante: informações sobre as garantias para clientes da AEE* e da Suíça — Português

Para obter uma informação pormenorizada sobre este produto da Yamaha e sobre o serviço de garantia na AEE* e na Suíça, visite o site a seguir (o arquivo para impressão está disponível no nosso site) ou entre em contato com o escritório de representação da Yamaha no seu país. * AEE: Área Econômica Européia

Σημαντική σημείωση: Πληροφορίες εγγύησης για τους πελάτες στον ΕΟΧ* και Ελβετία — Ελληνικά

Για λεπτομερείς πληροφορίες εγγύησης σχετικά με το παρόν προϊόν της Yamaha και την κάλυψη εγγύησης σε όλες τις χώρες του ΕΟΧ και την Ελβετία, επισκεφτείτε την παρακάτω ιστοσελίδα (Εκτυπώσιμη μορφή είναι διαθέσιμη στην ιστοσελίδα μας) ή απευθυνθείτε στην αντιπροσωπεία της Yamaha στη χώρα σας. * ΕΟΧ: Ευρωπαϊκός Οικονομικός Χώρος

Viktigt: Garantiinformation för kunder i EES-området* och Schweiz — Svenska

För detaljerad information om denna Yamahaprodukt samt garantiservice i hela EES-området* och Schweiz kan du antingen besöka nedanstående webbaddress (en utskriftsvänlig fil finns på webbplatsen) eller kontakta Yamahas officiella representant i ditt land. * EES: Europeiska Ekonomiska Samarbetsområdet

Viktig merknad: Garantiinformasjon for kunder i EØS* og Sveits — Norsk

Detaljert garantiinformasjon om dette Yamaha-produktet og garantiservice for hele EØS-området* og Sveits kan fås enten ved å besøke nettadressen nedenfor (utskriftsversjon finnes på våre nettsider) eller kontakte kontakte Yamaha-kontoret i landet der du bor. *EØS: Det europeiske økonomiske samarbeidsområdet

Vigtig oplysning: Garantioplysninger til kunder i EØO* og Schweiz — Dansk

De kan finde detaljerede garantioplysninger om dette Yamaha-produkt og den fælles garantiserviceordning for EØO* (og Schweiz) ved at besøge det websted, der er angivet nedenfor (der findes en fil, som kan udskrives, på vores websted), eller ved at kontakte Yamahas nationale repræsentationskontor i det land, hvor De bor. * EØO: Det Europæiske Økonomiske Område

Tärkeä ilmoitus: Takuutiedot Euroopan talousalueen (ETA)* ja Sveitsin asiakkaille — Suomi

Tämän Yamaha-tuotteen sekä ETA-alueen ja Sveitsin takuuta koskevat yksityiskohtaiset tiedot saatte alla olevasta nettiosoitteesta. (Tulostettava tiedosto saatavissa sivustollamme.) Voitte myös ottaa yhteyttä paikalliseen Yamaha-edustajaan.
*ETA: Euroopan talousalue

Ważne: Warunki gwarancyjne obowiązujące w EOG* i Szwajcarii — Polski

Aby dowiedzieć się więcej na temat warunków gwarancyjnych tego produktu firmy Yamaha i serwisu gwarancyjnego w całym EOG* i Szwajcarii, należy odwiedzić wskazaną poniżej stronę internetową (Plik gotowy do wydruku znajduje się na naszej stronie internetowej) lub skontaktować się z przedstawicielstwem firmy Yamaha w swoim kraju. * EOG — Europejski Obszar Gospodarczy

Důležité oznámení: Záruční informace pro zákazníky v EHS* a ve Švýcarsku — Česky

Podrobné záruční informace o tomto produktu Yamaha a záručním servisu v celém EHS* a ve Švýcarsku naleznete na níže uvedené webové adrese (soubor k tisku je dostupný na našich webových stránkách) nebo se můžete obrátit na zastoupení firmy Yamaha ve své zemi. * EHS: Evropský hospodářský prostor

Fontos figyelmeztetés: Garancia-információk az EGT* területén és Svájcban élő vásárlók számára — Magyar

A jelen Yamaha termékre vonatkozó részletes garancia-információk, valamint az EGT*-re és Svájcra kiterjedő garanciális szolgáltatás tekintetében keresse fel webhelyünket az alábbi címen (a webhelyen nyomtatható fájlt is talál), vagy pedig lépjen kapcsolatba az országában működő Yamaha képviseleti irodával. * EGT: Európai Gazdasági Térség

Oluline märkus: Garantiiteave Euroopa Majanduspiirkonna (EMP)* ja Šveitsi klientidele — Eesti keel

Täpsema teabe saamiseks selle Yamaha toote garantii ning kogu Euroopa Majanduspiirkonna ja Šveitsi garantiiteeninduse kohta, külastage palun veebisaiti alljärgneval aadressil (meie saidil on saadaval prinditav fail) või pöörduge Teie regiooni Yamaha esinduse poole. * EMP: Euroopa Majanduspiirkond

Svarīgs paziņojums: garantijas informācija klientiem EEZ* un Šveicē — Latviešu

Lai saņemtu detalizētu garantijas informāciju par šo Yamaha produktu, kā arī garantijas apkalpošanu EEZ* un Šveicē, lūdzu, apmeklējiet zemāk norādīto tīmekļa vietnes adresi (tīmekļa vietnē ir pieejams drukājams fails) vai sazinieties ar jūsu valsts apkalpojošo Yamaha pārstāvniecību. * EEZ: Eiropas Ekonomikas zona

Dėmesio: informacija dėl garantijos pirkėjams EEE* ir Šveicarijoje — Lietuvių kalba

Jei reikia išsamios informacijos apie šį „Yamaha" produktą ir jo techninę priežiūrą visoje EEE* ir Šveicarijoje, apsilankykite mūsų svetainėje toliau nurodytu adresu (svetainėje yra spausdintinas failas) arba kreipkitės į „Yamaha" atstovybę savo šaliai.
*EEE – Europos ekonominė erdvė

Dôležité upozornenie: Informácie o záruke pre zákazníkov v EHP* a Švajčiarsku — Slovenčina

Podrobné informácie o záruke týkajúce sa tohto produktu od spoločnosti Yamaha a garančnom servise v EHP* a Švajčiarsku nájdete na webovej stránke uvedenej nižšie (na našej webovej stránke je k dispozícii súbor na tlač) alebo sa obráťte na zástupcu spoločnosti Yamaha vo svojej krajine. * EHP: Európsky hospodársky priestor

Pomembno obvestilo: Informacije o garanciji za kupce v EGP* in Švici — Slovenščina

Za podrobnejše informacije o tem Yamahinem izdelku ter garancijskem servisu v celotnem EGP in Švici, obiščite spletno mesto, ki je navedeno spodaj (natisljiva datoteka je na voljo na našem spletnem mestu), ali se obrnite na Yamahinega predstavnika v svoji državi. * EGP: Evropski gospodarski prostor

Важно съобщение: Информация за гаранцията за клиенти в ЕИП* и Швейцария — Български език

За подробна информация за гаранцията за този продукт на Yamaha и гаранционното обслужване в паневропейската зона на ЕИП* и Швейцария или посетете посочения по-долу уеб сайт (на нашия уеб сайт има файл за печат), или се свържете с представителния офис на Yamaha във вашата страна. * ЕИП: Европейско икономическо пространство

Notificare importantă: Informații despre garanție pentru clienții din SEE* și Elveția — Limba română

Pentru informații detaliate privind acest produs Yamaha și serviciul de garanție Pan-SEE* și Elveția, vizitați site-ul la adresa de mai jos (fișierul imprimabil este disponibil pe site-ul nostru) sau contactați biroul reprezentanței Yamaha din țara dumneavoastră.
* SEE: Spațiul Economic European

Važna obavijest: Informacije o jamstvu za države EGP-a i Švicarske — Hrvatski

Za detaljne informacije o jamstvu za ovaj Yamahin proizvod te jamstvenom servisu za cijeli EGP i Švicarsku, molimo Vas da posjetite web-stranicu navedenu u nastavku ili kontaktirate ovlaštenog Yamahinog dobavljača u svojoj zemlji.
* EGP: Europski gospodarski prostor

https://europe.yamaha.com/warranty/

Yamaha Worldwide Representative Offices

English

For details on the product(s), contact your nearest Yamaha representative or the authorized distributor, found by accessing the 2D barcode below.

Deutsch

Wenden Sie sich für nähere Informationen zu Produkten an eine Yamaha-Vertretung oder einen autorisierten Händler in Ihrer Nähe. Diese finden Sie mithilfe des unten abgebildeten 2D-Strichodes.

Français

Pour obtenir des informations sur le ou les produits, contactez votre représentant ou revendeur agréé Yamaha le plus proche. Vous le trouverez à l'aide du code-barres 2D ci-dessous.

Español

Para ver información detallada sobre el producto, contacte con su representante o distribuidor autorizado Yamaha más cercano. Lo encontrará escaneando el siguiente código de barras 2D.

Português

Para mais informações sobre o(s) produto(s), fale com seu representante da Yamaha mais próximo ou com o distribuidor autorizado acessando o código de barras 2D abaixo.

Italiano

Per dettagli sui prodotti, contattare il rappresentante Yamaha o il distributore autorizzato più vicino, che è possibile trovare tramite il codice a barre 2D in basso.

Nederlands

Neem voor meer informatie over de producten contact op met uw dichtstbijzijnde Yamaha-vertegenwoordiger of de geautoriseerde distributeur, te vinden via de onderstaande 2D-barcode.

Polski

Aby uzyskać szczegółowe informacje na temat produktów, skontaktuj się z najbliższym przedstawicielem firmy Yamaha lub autoryzowanym dystrybutorem, którego znajdziesz za pośrednictwem poniższego kodu kreskowego 2D.

Русский

Чтобы узнать подробнее о продукте (продуктах), свяжитесь с ближайшим представителем или авторизованным дистрибьютором Yamaha, воспользовавшись двухмерным штрихкодом ниже.

Dansk

Hvis du vil have detaljer om produktet/produkterne, kan du kontakte den nærmeste Yamaha-repræsentant eller autoriserede Yamaha-distributør, som du finder ved at scanne 2D-stregkode nedenfor.

Svenska

Om du vill ha mer information om produkterna kan du kontakta närmaste Yamaha-representant eller auktoriserade distributör med hjälp av 2D-streckkoden nedan.

Čeština

Podrobnosti o produktu(ech) získáte od nejbližšího zástupce společnosti Yamaha nebo autorizovaného distributora, který byl nalezen při použití 2D čárového kódu níže.

Slovenčina

Podrobné informácie o produkte(-och) vám poskytne najbližší zástupca spoločnosti Yamaha alebo autorizovaný distribútor, ktorého nájdete pomocou nižšie uvedeného 2D čiarového kódu.

Magyar

A termék(ek)re vonatkozó részletekért forduljon a legközelebbi Yamaha képviselethez vagy a hivatalos forgalmazóhoz, amelyet az alábbi 2D vonalkód segítségével találhat meg.

Slovenščina

Če želite podrobnejše informacije o izdelkih, se obrnite na najbližjega Yamahinega predstavnika ali pooblaščenega distributerja, ki ga najdete prek 2D-kode v nadaljevanju.

Български

За подробности относно продукта/ите се свържете с най-близкия представител на Yamaha или оторизиран дистрибутор, който можете да откриете, като използвате 2D баркода по-долу.

Română

Pentru detalii privind produsele, contactați cel mai apropiat reprezentant Yamaha sau distribuitorul autorizat, pe care îl puteți găsi accesând codul de bare 2D de mai jos.

Latviešu

Lai iegūtu plašāku informāciju par izstrādājumiem, sazinieties ar tuvāko Yamaha pārstāvi vai pilnvaroto izplatītāju, kuru atradīsiet, izmantojot tālāk pieejamo 2D svītrkodu.

Lietuvių

Norėdami gauti daugiau informacijos apie gaminį (-ius), kreipkitės į artimiausią „Yamaha“ atstovą arba įgaliotąjį platintoją, kurį rasite nuskaitę toliau pateiktą 2D brūkšninį kodą.

Eesti

Toodete kohta täpsema teabe saamiseks võtke ühendust lähima Yamaha esindaja või autoriseeritud levitajaga, kelle leiate allpool asuva 2D-vöötkoodi kaudu.

Hrvatski

Za detalje o proizvodima obratite se lokalnom predstavku ili ovlaštenom distributeru tvrtke Yamaha, kojeg možete pronaći skeniranjem 2D crtičnog koda u nastavku.

Türkçe

Ürünler hakkında ayrıntılar için, aşağıdaki 2D kodlu motora erişerek bulunan size en yakın Yamaha temsilcisine veya yetkili bayiye başvurun.

https://manual.yamaha.com/mi/address_list/

Head Office/Manufacturer: Yamaha Corporation 10-1, Nakazawa-cho, Chuo-ku, Hamamatsu, 430-8650, Japan
Importer (European Union): Yamaha Music Europe GmbH Siemensstrasse 22-34, 25462 Rellingen, Germany
Importer (United Kingdom): Yamaha Music Europe GmbH (UK) Sherbourne Drive, Tilbrook, Milton Keynes, MK7 8BL, United Kingdom

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Yamaha Global Site
https://www.yamaha.com/

Yamaha Downloads
https://download.yamaha.com/

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