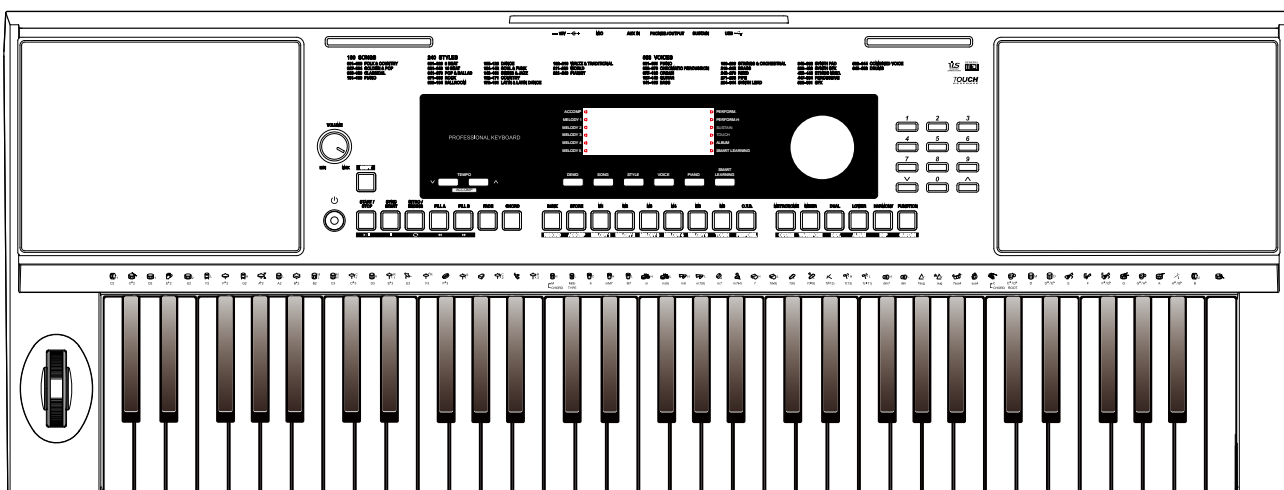


ELECTRONIC KEYBOARD

Owner's Manual



INFORMATION FOR YOUR SAFETY!

THE FCC REGULATION WARNING (for USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Unauthorized changes or modification to this system can void the user's authority to operate this equipment.

CAUTION

The normal function of the product may be disturbed by Strong Electro Magnetic Interference. If so, simply reset the product to resume normal operation by following the owner's manual. In case the function could not resume, please use the product in other location.

PRECAUTIONS

PLEASE READ CAREFULLY BEFORE PROCEEDING

Please keep this manual in a safe place for future reference.

Power Supply

Please connect the designated DC adaptor to an AC outlet of the correct voltage.

Do not connect it to an AC outlet of voltage other than that for which your instrument is intended.

Unplug the DC power adaptor when not using the instrument, or during electrical storms.

Connections

Before connecting the instrument to other devices, turn off the power to all units. This will help prevent malfunction and / or damage to other devices.

Location

Do not expose the instrument to the following conditions to avoid deformation, discoloration, or more serious damage:

- Direct sunlight
- Extreme temperature or humidity
- Excessive dusty or dirty location
- Strong vibrations or shocks
- Close to magnetic fields

Interference with other electrical devices

Radios and televisions placed nearby may experience reception interference. Operate this unit at a suitable distance from radios and televisions.

Cleaning

Clean only with a soft, dry cloth.

Do not use paint thinners, solvents, cleaning fluids, or chemical-impregnated wiping cloths.

Handling

Do not apply excessive force to the switches or controls.

Do not let paper, metallic, or other objects into the instrument. If this happens, remove the electric plug from the outlet. Then have the instrument inspected by qualified service personnel.

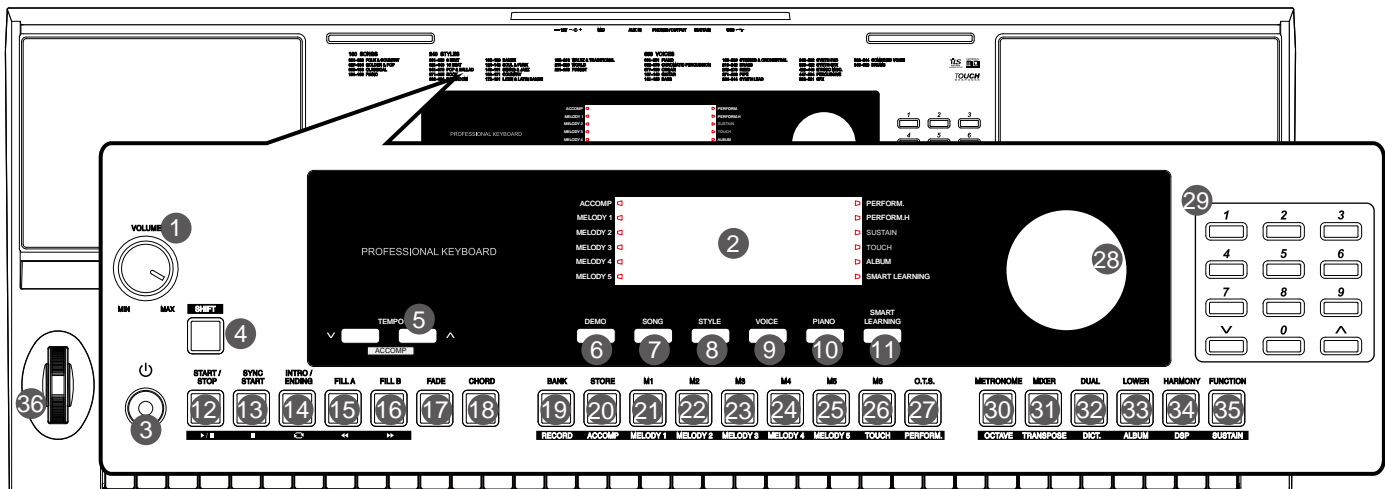
Disconnect all cables before moving the instrument.

Contents

Panel & Display Description		DSP	21
Front Panel.....	4	Mixer	21
Rear Panel.....	5	Pedal Function	22
LCD.....	5	Function Menu	
Setup		Tune.....	23
Power Supply.....	6	KeySplit.....	23
Setting a Music Stand.....	6	Beat Type.....	24
Using Sustain Pedal.....	6	Metronome Volume.....	24
Connections		Pedal Type.....	24
Connecting a pair of Headphones.....	7	EQ Type.....	24
Connecting an Audio Equipment.....	7	Reverb Type.....	24
Connecting an MP3/CD Player.....	7	Reverb Level.....	25
Connecting a Computer.....	7	Chorus Type.....	25
Connecting a Microphone.....	7	Chorus Level.....	25
Power Switch and Master Volume	8	Harmony Type.....	25
Playing Demo Songs	8	MIDI IN.....	26
Playing Voices	9	MIDI OUT.....	26
Playing Styles	9	Auto Power Off.....	26
Playing Songs	10	Performance Beat.....	27
Record	10	Vocal Effects.....	27
Playing Voices		Vocal Effect Level.....	27
Selecting a Voice.....	11	Restore Factory Setting	27
Playing two voices simultaneously-DUAL.....	11	Register Memory	
Playing Different Voices with Both hands-LOWER.....	11	Registering the Panel Setting.....	28
Touch.....	12	Recalling the Registered Panel Settings.....	28
Sustain.....	12	Selecting a Registration Bank.....	28
Pitch Bend.....	12	Song Album	28
Transpose.....	12	Record	
Octave.....	13	Start Recording.....	29
Piano mode.....	13	Stop Recording.....	30
Metronome.....	13	Playback Recording.....	30
Auto Accompaniment		Delete User Song.....	30
Play Auto Accompaniment(rhythm track only).....	14	Song	
Play Auto Accompaniment(all tracks).....	14	Listen to the songs.....	31
Accompaniment Sections.....	15	Song Control.....	31
Playing Different Accompaniment Sections.....	15	Smart Learning System	
Fade.....	15	Smart Learning.....	32
Accompaniment Volume Control.....	16	Chord Dictionary	
Chord Fingering.....	16	DICT 1 (Chord Learning Mode).....	36
Tempo.....	17	DICT 2 (Chord Testing Mode).....	36
One Touch Setting.....	17	MIDI	
Harmony		What's MIDI?.....	37
Play with harmony effect.....	18	Upload/Download Data from the Computer.....	37
Performance Assistant		Troubleshooting	38
What's the performance assistant?.....	18	Specifications	39
Enter the Performance Assistant.....	18	Appendices	
Guitar Mode.....	19	Voice List.....	40
Playing in Guitar Mode.....	19	Style List.....	46
Piano Mode.....	20	Song List.....	49
Playing in Piano Mode.....	20	Demo List.....	51
Exit the Performance Assistant.....	20	Album List.....	52
		MIDI Implementation Chart.....	55

Panel & Display Description

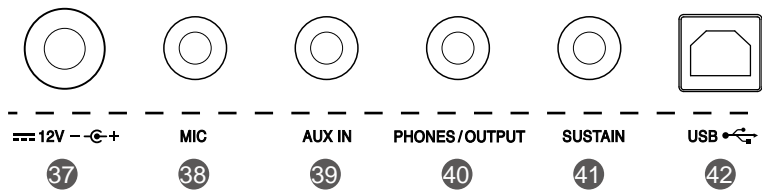
Front Panel



- | | | |
|---|---|---|
| <p>1. [VOLUME] Knob
Adjust the master volume.</p> <p>2. [LCD]
Display all parameters and values related to the current operation.</p> <p>3. POWER SWITCH
Turn the Power on or off.</p> <p>4. [SHIFT] button
Holding down it to access secondary functions of other buttons.</p> <p>6. [DEMO] button
Switch to Demo Mode.</p> <p>7. [SONG] button
Switch to Song Mode</p> <p>8. [STYLE] button
Switch to Style Mode.</p> <p>9. [VOICE] button
Switch to Voice Mode.</p> <p>10. [PIANO] button
Turn the Piano Mode on or off.</p> <p>11. [SMART LEARNING] button
Turn the Smart Learning function on or off.</p> <p>17. [FADE] button
Turn the Fade In/Out function on or off.</p> <p>18. [CHORD] button
Enter the Chord Mode.</p> <p>28. DATA DIAL
Adjust the parameter value.</p> <p>29. [-]/[+] and NUMERIC buttons
Set parameters value or select the number.</p> <p>36. PITCH BEND
Roll the wheel upward or downward to raise or lower the pitch.</p> | <p>In Song Mode</p> <p>12. [▶ ◀] button
Start or Stop playing the song.</p> <p>13. [] button
Pause or continue playing the song.</p> <p>14. [⊞] button
Set the beginning and the end for a loop section of a selected song.</p> <p>15. [◀◀] button
Rewind the song.</p> <p>16. [▶▶] button
Fast forward the song.</p> <p>When the [SHIFT] button is released</p> <p>5. [TEMPO -]/[TEMPO +] button
Adjust the current tempo value.</p> <p>19. [BANK] button
Switch between memory banks.</p> <p>20. [STORE] button
Register the current panel settings.</p> <p>21~26. [M1]~[M6] buttons
Recall the registered panel settings. In O.T.S. mode, only M1~M4 are available.</p> <p>27. [O.T.S.] button
Turn the One Touch Setting function on or off.</p> <p>30. [METRONOME] button
Turn the metronome on or off.</p> <p>31. [MIXER] button
Enter the Mixer menu.</p> <p>32. [DUAL] button
Turn the dual function on or off.</p> <p>33. [LOWER] button
Turn the lower function on or off.</p> <p>34. [HARMONY] button
Turn the Harmony effect on or off.</p> <p>35. [FUNCTION] button
Enter the function menu.</p> | <p>In Style Mode</p> <p>12. [START/STOP] button
Start or stop playing the style.</p> <p>13. [SYNC START] button
Turn the Sync Start function on or off.</p> <p>14. [INTRO/ENDING] button
Play the Intro or Ending pattern.</p> <p>15. [FILL A] button
Play the fill-in pattern A.</p> <p>16. [FILL B] button
Play the fill-in pattern B.</p> <p>When the [SHIFT] button is pressed</p> <p>5. [ACCOMP -]/[ACCOMP +] button
Adjust the accompaniment volume value.</p> <p>19. [RECORD] button
Enter the Record Mode.</p> <p>20. [ACCOMP] button
Select the accompaniment track to record.</p> <p>21~25. [MELODY 1]~[MELODY 5] button
Select the melody 1~5 track to record.</p> <p>26. [TOUCH] button
Set an appropriate touch sensitivity level.</p> <p>27. [PERFORM.] button
Turn the Performance Assistant function on or off.</p> <p>30. [OCTAVE] button
Enter the Octave menu.</p> <p>31. [TRANSPOSE] button
Enter the Transpose menu.</p> <p>32. [DICT.] button
Turn the chord dictionary function on or off.</p> <p>33. [ALBUM] button
Turn the Album function on or off.</p> <p>34. [DSP] button
Turn the DSP function on or off.</p> <p>35. [SUSTAIN] button
Turn the sustain function on or off.</p> |
|---|---|---|

Panel & Display Description

Rear Panel



37. DC 12V Jack
Connect the DC 12V power adapter.

38. MIC Jack
Connect a microphone.

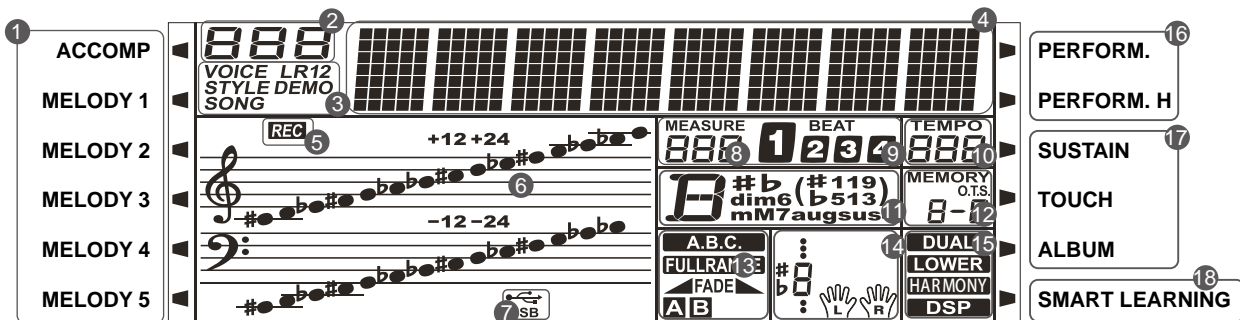
39. AUX IN Jack
Connect an external audio source, such as MP3 or CD player.

40. PHONES/OUTPUT Jack
Connect a pair of headphones or an audio equipment.

41. SUSTAIN Jack
Connect a sustain pedal.

42. USB Terminal
Connect to a PC.

LCD



- 1. ACCOMP/MELODY 1-5
- 2. SERIES NUMBER
- 3. VOICE/STYLE/DEMO/SONG
- 4. CHARACTER
- 5. RECORD
- 6. TREBLE CLEF/BASS CLEF
- 7. USB CABLE
- 8. MEASURE
- 9. BEAT
- 10. TEMPO

- 11. CHORD
- 12. MEMORY NUMBER/ONE TOUCH SETTING
- 13. A.B.C./FULL RANGE/FADE/ ACCOMPANIMENT SECTION
- 14. NOTE INDICATION/LESSON
- 15. DUAL/LOWER/HARMONY/DSP
- 16. PERFORMANCE ASSISTANT/ PERFORMANCE ASSISTANT HIGH
- 17. SUSTAIN/TOUCH/ALBUM
- 18. SMART LEARNING

Setup

This section contains information about setting up your instrument and preparing to play. Please go through this section carefully before turning the power on.

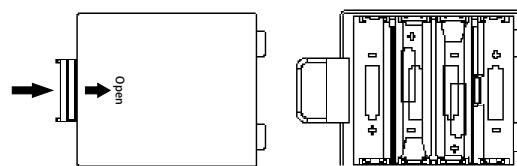
Power Supply

You can power the instrument either by batteries or by power adaptor. Follow the instructions described below.

Using Batteries

The instrument needs 6 pieces of AA (NO.5) or equivalent alkaline batteries for power supply.

1. Open the battery compartment cover located on the bottom of the instrument.
2. Insert the batteries; carefully follow the polarity markings on the cabinet.
3. Replace the compartment cover, making sure that it locks firmly in place.

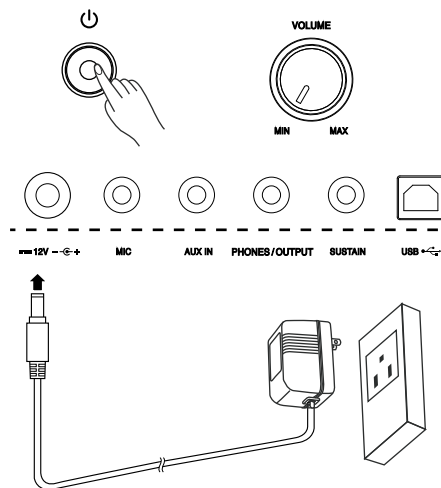


Note:

1. Do not mix used and new batteries.
2. Always use same types of batteries.
3. Always remove the batteries from the instrument when it is not being used for an extended period of time.

Using Power Adaptor

1. Set the POWER switch to OFF, and then turn down the volume before connecting to power supply.
2. Connect the adaptor to the DC jack of the instrument.
3. Plug the adaptor into an AC outlet. This will automatically cut off the battery power supply.

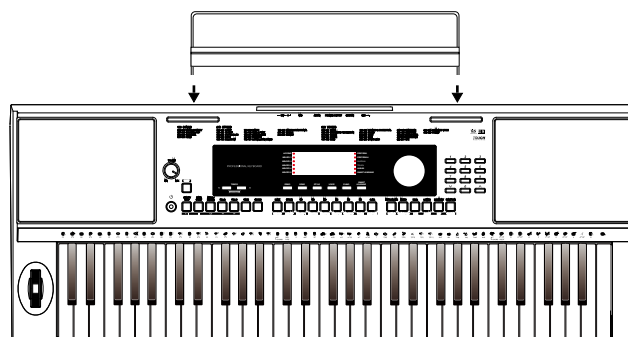


Note:

1. In standby mode, the instrument will automatically shutdown in 30 minutes if it is not used. (Please refer to "Auto Power Off" for details).
2. For your safety, please unplug the instrument when it is not in use or during a thunderstorm.

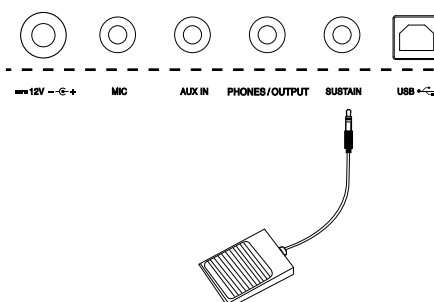
Setting a Music Stand

A music stand is supplied with the keyboard. You can easily attach it to the instrument by inserting it into the slots at the front of the panel.



Using Sustain Pedal

Plug an optional pedal into this jack and use it to switch sustain on and off. When you step on the pedal, all notes you play on the instrument will have a longer sustain.



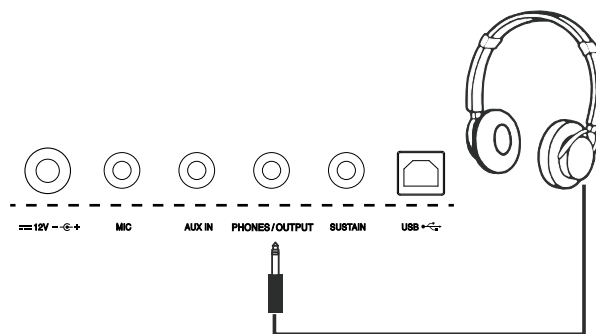
Connections

Connecting a pair of Headphones

1. A standard pair of stereo headphones can be connected to the PHONES/OUTPUT jack for private practice or late-night playing.
2. The internal stereo speaker system is automatically shut off when a pair of headphones is plugged into this jack.

Note:

To avoid the risk of hearing loss, do not listen with headphones at high volume level for a long period of time.



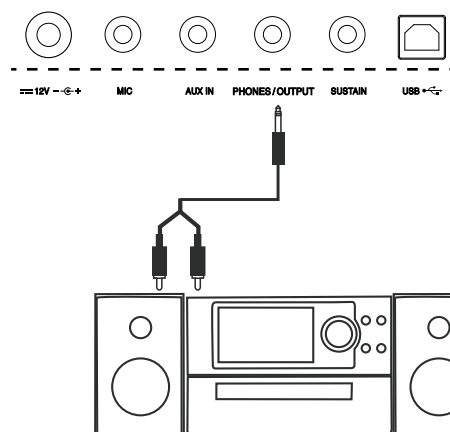
Connecting an Audio Equipment

The rear-panel PHONES/OUTPUT jack delivers the output of the instrument to an external audio equipment such as a keyboard amplifier, a stereo sound system, a mixing console, or a tape recorder.

Use an audio cable to connect the PHONES/OUTPUT jack of the instrument to the AUX IN jack of the external audio equipment.

Note:

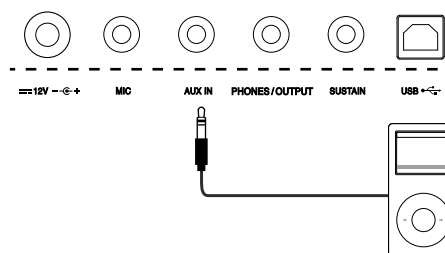
To avoid damaging the speakers, please set the volume level to minimum before connecting the power and other devices.



Connecting an MP3/CD Player

The rear-panel AUX IN jack receives audio signals from an external audio source such as an MP3 or a CD player.

Use an audio cable to connect the AUX IN jack of the instrument to the AUX OUT jack of the MP3/CD player. The input signal is mixed with the instrument signal, allowing you to play along.

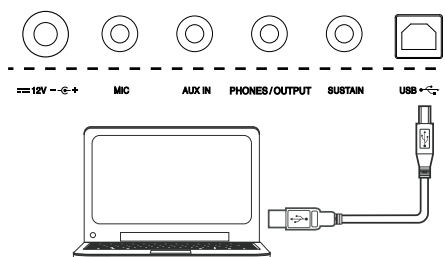


Connecting a Computer

Use a standard USB cable to connect the USB jack of the instrument to the USB port of a computer. You can save the piano performance to the computer or use the speaker system to play back MIDI songs on the computer.

Note:

1. Do not set the USB device to be input and output simultaneously when setting the software on computer. Otherwise, the sound will be overlapped when playing the keyboard.
2. We recommend you to use a USB2.0 interface when connecting the instrument to a computer.



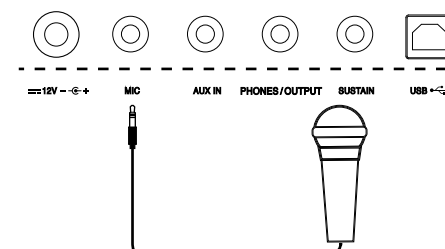
Connecting a Microphone

By connecting a microphone, you can enjoy singing along with your keyboard performance or with Song playback (KARAOKE).

1. Before turning the power on, set the master volume to minimum.
2. Connect a microphone to the MIC jack.
3. Turn the power on. Adjust the master volume while singing into the microphone.

Note:

1. You can set the vocal effects in the Function Menu.
2. The [VOLUME] knob cannot adjust the volume level of the microphone and the AUX IN, you need to adjust it on the external equipment.



Power Switch and Master Volume

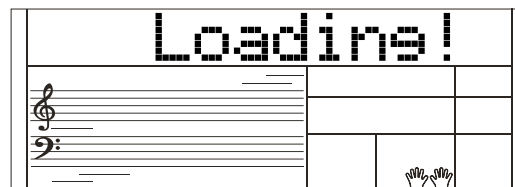
Power Switch

Before you switch your instrument on, please turn down the volume of instrument and the connected audio equipment first.

1. Make sure the instrument is properly connected to power supply.
2. Press POWER SWITCH, the LCD screen is lit, and displays "Loading!", it indicates the instrument is powered on.

Note:

If the LCD display does not light up after you turned on the keyboard, please check the power supply.

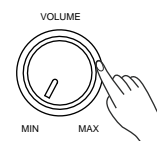


Master Volume

Rotate the [VOLUME] knob clockwise, the master volume will increase and vice versa. It can be adjusted as required.

Note:

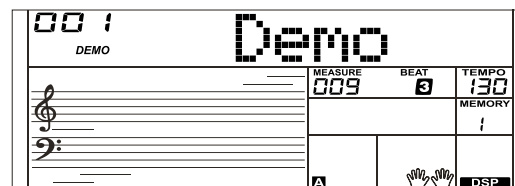
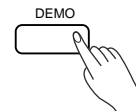
If the keyboard keeps silent, check if the volume is set to minimum or if headphones are plugged into the PHONES/OUTPUT jack.



Playing Demo Songs

This instrument features several wonderful demos. (Please refer to Demo List.)

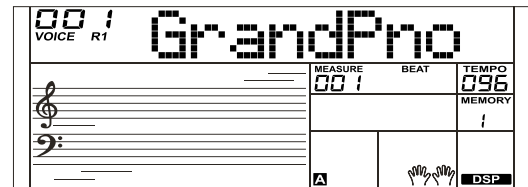
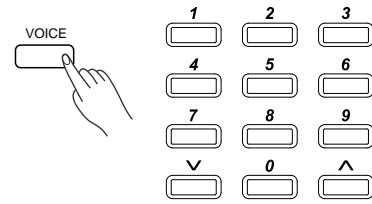
1. Press the [DEMO] button, the LCD will display the current demo number and name, meanwhile, all the demo songs will loop playing.
2. Use the data dial or the [+ / Yes] / [- / No] button to select a demo song.
3. Press the [START/STOP] button to stop playing and exit the demo mode.
Or you can press the [DEMO] button to quit demo playing.



Playing Voices

The keyboard has a variety of remarkably realistic built-in voices. Please refer to Voice List.

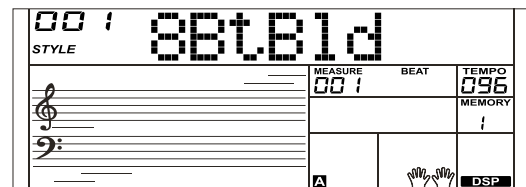
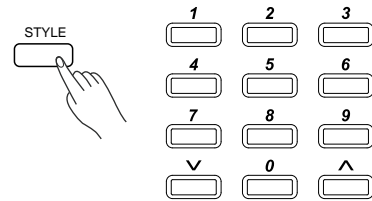
1. Press the [VOICE] button.
Enter the Voice Mode. The LCD displays the current default voice name and number.
2. Select a Voice.
Use the data dial or the [+/Yes]/ [-/No] button to select the voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the Voice.
Play the keyboard and enjoy the beautiful voice.



Playing Styles

The instrument features a variety of styles. Try selecting different styles (Please refer to the Style List) and playing with the auto accompaniment.

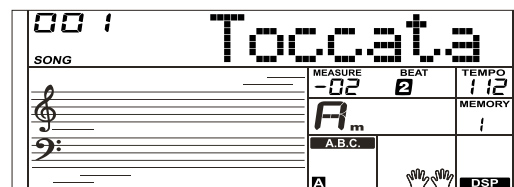
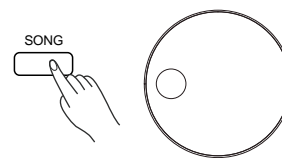
1. Press the [STYLE] button.
Enter the Style Mode. The LCD displays the current default style name and number.
2. Select a Style.
Use the data dial or the [+/Yes]/ [-/No] button to select the style you want to play. You can also use the numeric buttons to select a style.
3. Play the Style.
Press the [START/STOP] button to start a rhythm playing.



Playing Songs

This instrument has featured a variety of preset songs, and each song can be practiced in Smart Learning mode.

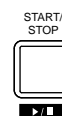
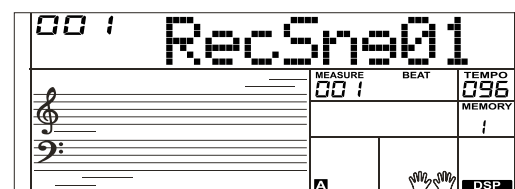
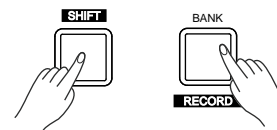
1. Press the [SONG] button.
Enter the song mode. It will play all songs circularly.
2. Select a song.
Use the data dial or the [+YES]/ [-NO] button to select the song you want to play.
3. Press the [START/STOP] button.
It will stop the song playback. Press it again, it will play current song repeatedly.
4. When song playback is stopped, press the [STYLE] or [VOICE] button, to exit the song mode.



Record

You can record your performance and save it to a user song.

1. Holding down [SHIFT] button, and then press the [RECORD] button to enter the user song menu. You can use the data dial or the [+YES]/[-NO] button to select a user song to which your recording will be saved.
2. Holding down [SHIFT] button, and then press the [RECORD] button. Enter the record standby mode, and you can select voice, style or other parameters to prepare for recording.
3. Press the [START/STOP] button or play the keyboard to start recording.
4. When recording is in process, holding down [SHIFT] button and then press the [RECORD] button, it will stop recording and enter the Song mode, and the current recorded song will play automatically in circle.



Note:

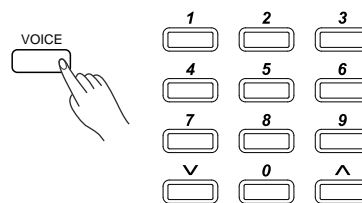
To play back a user song in song mode, press the [SONG] button then use the data dial, [+YES] or [-NO] button to select a user songs. If there is no data in the selected user song, it will display "NoFile!" and stop playing.

Playing Voices

The instrument features a variety of exceptionally realistic voices. Please refer to the Voice List.

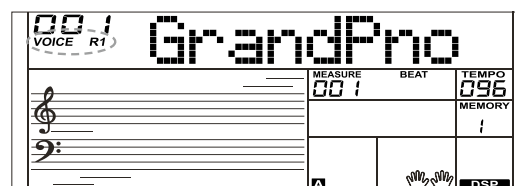
Playing a Voice

1. Press the [VOICE] button. Enter the VOICE mode. LCD shows “VOICE R1” and the current voice name and voice number.
2. Select a voice.
Use the data dial, the [+ / YES] / [- / NO] button to select the voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the voice.
Play the keyboard and enjoy the beautiful voice.



Note:

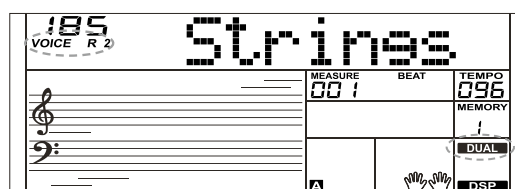
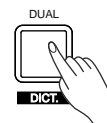
When the DUAL and LOWER function is on, you can press [VOICE] button repeatedly to choose the voice source. The corresponding LCD indicator will highlight between R1, R2, and L.



Playing two voices simultaneously-DUAL

The dual function allows two different voices to be layered together, creating a much richer sound. Turn the function on, you can select a second voice for the dual voice “VOICE R2”.

1. In idle mode, press the [DUAL] button to turn dual function on. The LCD displays the current voice name and number, and the indicator “VOICE R 2” and “DUAL”.
2. You can use the data dial or [+ / YES] / [- / NO] button to select the dual voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the keyboard, and then you will hear two different voices layered together, just like two different instruments playing at the same time.
4. Press the [DUAL] button again to turn the dual function off.



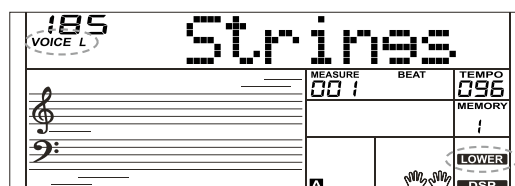
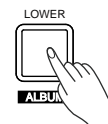
Note:

When the keyboard is split, only the right hand area will have the dual voice.

Playing Different Voices with Both hands-LOWER

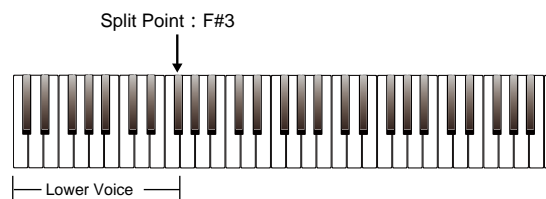
The lower function splits the keyboard into right and left areas, each with a different voice. The left section voice is lower voice. You can set the split point to any key as you like.

1. In idle mode, press the [LOWER] button to turn the lower function on. The LCD displays the left hand voice name and number, and the indicator “VOICE L” and “LOWER”.
2. You can use the data dial or the [+ / YES] / [- / NO] button to select the lower voice you want to play. You can also use the numeric buttons to select a voice.
3. Play the keyboard with both hands, and you will hear two different voices.
4. Press the [LOWER] button again to turn lower function off.



Split Point

The Point on the keyboard that separates voice L and voice R1/R2 is called the “split point”. The default split point is at F#3 (19), however you can assign it to any other key. Refer to the Function Menu.

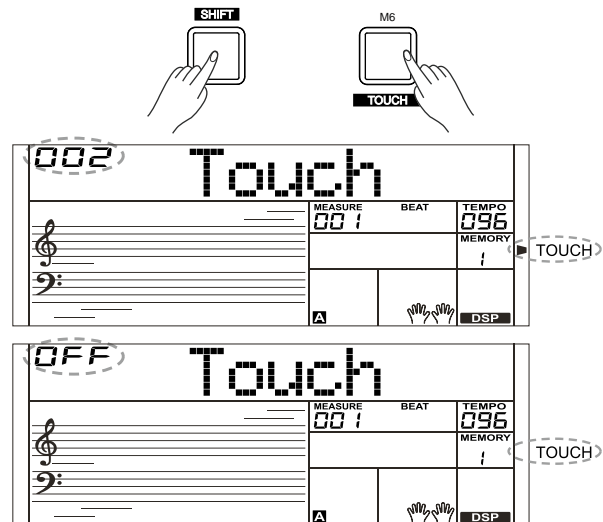


Playing Voices

Touch

The touch response feature allows you to dynamically and expressively control the level of the voice with your playing strength just as on an acoustic instrument. The piano has 3 touch types to choose.

1. Holding down [SHIFT] button and then press [TOUCH] button to enter the touch menu. LCD displays the current touch level. The default number is 2.
2. Select a touch level.
When the LCD displays touch setting, using [+ / YES] / [- / NO] or data dial or holding down [SHIFT] button, and then pressing [TOUCH] button can change touch level. Pressing [+ / YES] and [- / NO] buttons simultaneously will set touch value to default setting: 2(normal).
3. Turn the touch function off.
If the value is set to OFF, there will be no touch response to keyboard.

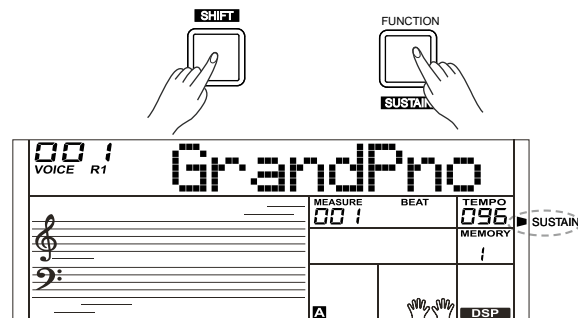


Sustain

1. Holding down [SHIFT] button and then press the [SUSTAIN] button to start sustain function.
All notes will sustain even after releasing the keys.
2. To stop the sustain function, holding down [SHIFT] button and then press the [TOUCH] button again

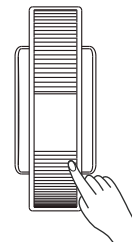
Note:

To have a better sustain effect, we recommend you using a sustain pedal. (Refer to pedal function for more details.)



Pitch Bend

With the pitch bend wheel, you can easily imitate the guitar, violin, saxophone or the pitch bend effect of other instruments, and make your performance more vivid. Simply roll the pitch bend wheel to bend notes up or down while playing the keyboard.



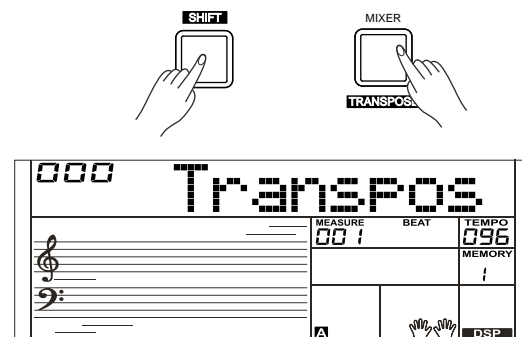
Transpose

Transpose function allows the overall pitch of the instrument to be transposed up or down by one octave in semitone steps.

1. Holding down [SHIFT] button, and then press [TRANSPOSE] button to enter transpose menu. LCD displays the current transpose: xxx Transpos.
2. Use [+ / YES] / [- / NO] or data dial to adjust the transpose value over the range: ± 12 semitones.
3. Press [+ / YES] and [- / NO] simultaneously to set the transpose value to its default setting: 000 Transpos.

Note:

1. For example, set the transpose to -05 or 007, and then you can play the G scale using C scale keys.
2. Transpose setting applies to the accompaniment and keyboard voice.



Playing Voices

Octave

The octave function will raise or lower the pitch of the keyboard voice by an octave.

1. Holding down [SHIFT] button and then press the [OCTAVE] button to select octave function menu. The LCD displays “xxx Octave”.
2. Use [+ / YES] / [- / NO] button or data dial to change octave value, adjustable range is: -1 ~ +1.
3. Press the [+ / YES] and [- / NO] buttons simultaneously to restore default setting: 000.

Note:

1. After adjusting the octave, notes in the highest and lowest keyboard range may not sound normally.
2. You can set the octave value respectively for voice R1/R2/L.

Piano mode

This function is to set the voice of the whole keyboard to piano instantly.

1. Press [PIANO] button to enter or exit piano mode.
2. In piano mode, the accompaniment control is the same as in the other modes, however, the accompaniment only plays the rhythm part.

Note:

In piano mode, the A.B.C. is automatically turned off.

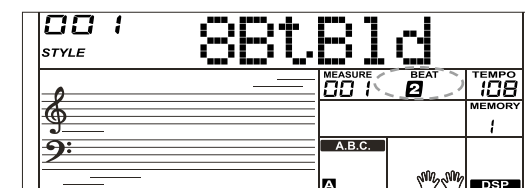
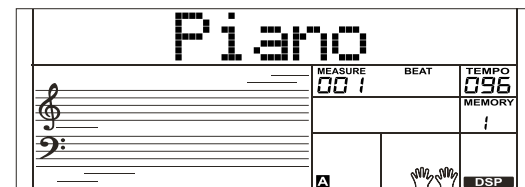
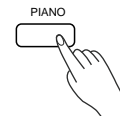
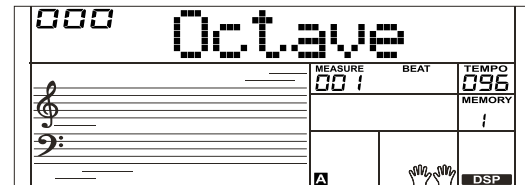
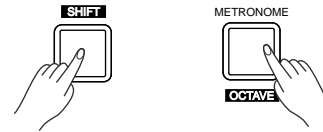
Metronome

The metronome provides a steady beat to help you practise at a preset tempo.

1. Press [METRONOME] button to start the metronome.
2. To stop the metronome, press the [METRONOME] button again. (You can set its time signature in the function menu.)

Note:

1. If you turn on the metronome during style playback, the metronome sound will start from the next beat and its time signature will match the current style.
2. In recording mode, you can turn on the metronome, but the metronome sound will not be recorded.

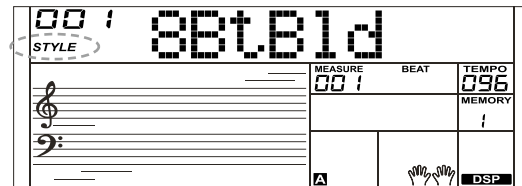
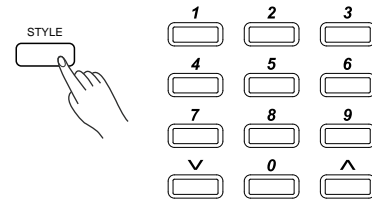


Auto Accompaniment

The auto accompaniment feature puts a full backing band at your fingertips. To use it, all you have to do is to play the chords with your left hand in the selected accompaniment style, and then the accompaniment will automatically play along, instantly following the chords you play. With auto accompaniment, even a solo performer can enjoy playing with the backing of an entire band or orchestra. The instrument features a variety of styles, try selecting different styles (refer to Style List) and enjoy the auto accompaniment feature.

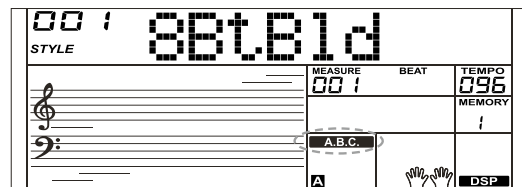
Play Auto Accompaniment (rhythm track only)

1. Press [STYLE] button.
Enter the style mode. The "STYLE" icon on LCD will light up. The LCD displays the name and number of the current style.
2. Select a style.
Use the data dial or the [+ / YES] / [- / NO] button to select a style you want to play. Or you can use the numeric buttons to select a style.
3. Start playing a style.
Press the [START/STOP] button to start the rhythm tracks of the auto accompaniment. Also you can press [SYNC START] and then play any key to start the rhythm tracks of the auto accompaniment.
4. If you are ready to stop playing style, press the [START/STOP] again.

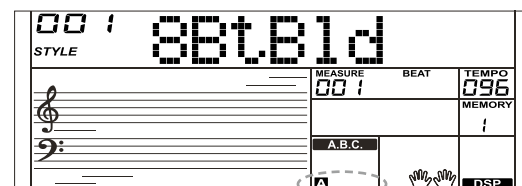
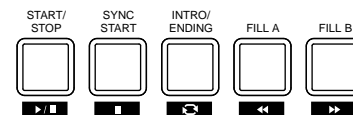
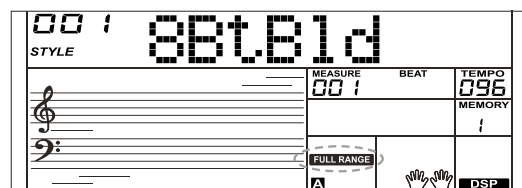


Play Auto Accompaniment(all tracks)

1. Turn the auto accompaniment on.
In style mode, you can press the [CHORD] button to enter the "auto bass chord" (A.B.C.) mode. The keyboard is split into two sections. Left hand section is chord section. The "A.B.C." icon will light up. Now pressing any key in chord section (Sync Start status) you will hear the fantastic accompaniment. Press [CHORD] button again to enter "full range" mode. The "FULL RANGE" icon will light up. You can play chords over the entire keyboard in multi-fingering.



2. Start the auto accompaniment.
You can press [SYNC START] button and then play a chord in chord section to start auto accompaniment of all tracks. When you change a chord, the accompaniment automatically changes. You can also press [START/STOP] button to start auto accompaniment of rhythm track, then play a chord in chord section. It will start auto accompaniment of all tracks.



Note:

The instrument can save several user styles. To use your styles, you need to convert the styles with our application software and then save them to instrument.

Auto Accompaniment

Accompaniment Sections

There are various types of Auto Accompaniment sections that allow you to vary the arrangement of the accompaniment to match the song you are playing. They are: Intro, Main (A, B), Fill (A, B), and Ending. By switching among them during your performance you can easily produce the dynamic elements of a professional sounding arrangement in your performance.

- 1. The intro is an opening section of the song.**
When the intro pattern finished, the system will automatically shift to the main section.
- 2. MAIN Section**
The main is an important section of the song. And it plays an accompaniment pattern and repeat infinitely until another section's button is pressed.
- 3. FILL IN Section**
Auto fill in function automatically adds a fill to your performance. When the fill-in is finished, accompaniment shifts to the Main section (A,B).
- 4. ENDING Section**
Ending is used for the ending of the song. When the ending is finished, accompaniment automatically stops. The length of the ending differs depending on the selected style.

Note:

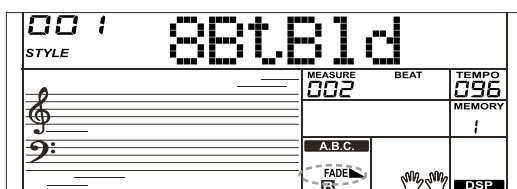
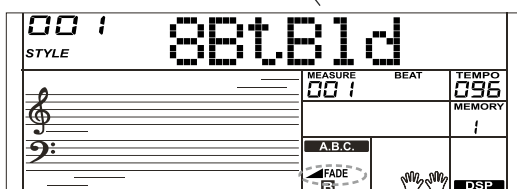
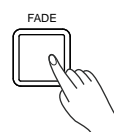
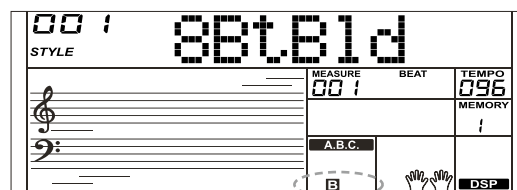
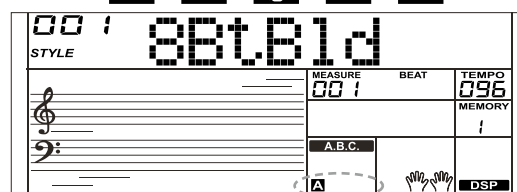
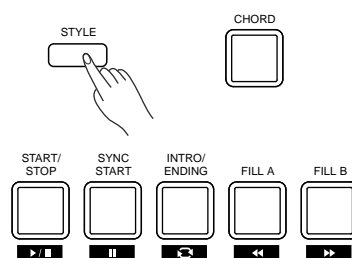
1. If you keep pressing the [FILL A]/[FILL B] button during style playback, the fill-in pattern will repeat playing until the button is released. Playback will then shift to the related MAIN section.
2. When style stops, press the [FILL A]/[FILL B] button to select a MAIN section. "A or B" will highlight on LCD.

Playing Different Accompaniment Sections

1. Press the [STYLE] button. Then use the numeric buttons, data dial or [+YES]/[-NO] button to select a style.
2. Press [CHORD] button to enter A.B.C. (auto bass chord) mode.
3. Press [SYNC START] button.
4. Press the [FILL A] button, select the Main A section.
5. Press the [INTRO/ENDING] button. Now the "A" starts flashing on LCD, and the style is ready to play.
6. It will start the accompaniment as soon as you start playing in Chord section. When the playback of the intro is finished, it automatically leads into Main A section.
7. Press the [FILL B] button. A fill-in plays, automatically followed by the Main B section.
8. Press the [INTRO/ENDING] button again, and it will enter the Ending Section. When the ending is finished, the auto accompaniment automatically stops.

Fade

- 1. Fade In**
Starting the style with fade in produces a smooth beginning, the volume increases from low to high. Press the [FADE] button when Style playback is stopped. The "▲ FADE" icon will be lighting up, and then flashing with style playing.
- 2. Fade Out**
Stopping the style with fade out produces a smooth ending, the volume will decrease from high to low. Press the [FADE] button during Style playback. The "FADE ▾" icon will be lighting up, and then flashing until style stops.
- 3. Fade In/ Out Time**
The default time is 10 seconds.

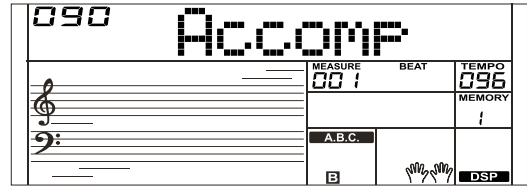
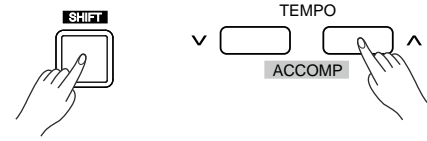


Auto Accompaniment

Accompaniment Volume

The function will adjust the accompaniment volume, so as to keep an appropriate balance between the accompaniment volume and the voice volume.

1. Holding down [SHIFT] button, and then use the [ACCOMP +]/ [ACCOMP -] button to set accompaniment volume, adjustable range: 0~127, the LCD displays current accompaniment volume level.
2. Holding down [SHIFT] button and then press the [ACCOMP +]/ [ACCOMP -] for a while to quickly adjust the volume value.
3. When LCD displays the volume level, Holding down [SHIFT], then press both the [ACCOMP +]/ [ACCOMP -] button simultaneously to turn the accompaniment volume off. The LCD displays "OFF Accomp". Holding down [SHIFT] button and then press the [ACCOMP +]/ [ACCOMP -] buttons again to turn the accompaniment volume on.

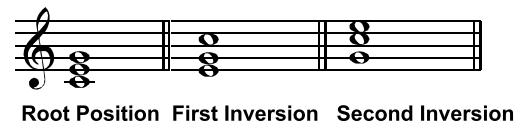
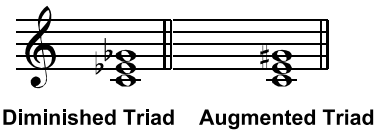
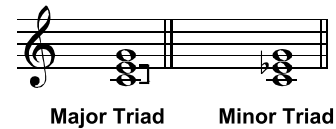
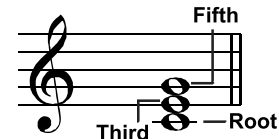


Chord Fingering

How the chords are played or indicated with your left hand (in the auto accompaniment section of the keyboard) is referred to as "fingering". There are 2 types of fingerings as described below.

Chord Basics

A chord, in music, is any harmonic set of three or more notes that is heard as if sounding simultaneously. The most frequently encountered chords are triads. A triad is a set of three notes that can be stacked in thirds. When stacked in thirds, the triad's members, from lowest pitched tone to highest, are called: the Root, the Third, and the Fifth.



Triad Type

There are following basic triad types:

Major Triad	A root with a major third added above and a perfect fifth will consist as a "Major Triad".
Minor Triad	A root with a minor third added above and a perfect fifth will consist as a "Minor Triad".
Augmented Triad	A root with a major third added above and an augmented fifth will consist as an "Augmented Triad".
Diminished Triad	A root with a minor third added above and a diminished fifth will consist as a "Diminished Triad".

Chord Inversion

We define this chord its root is not in the bass (i.e., is not the lowest note) as an inversion chord. When the root is in the bass, we call the chord: root-position chord. If we put the Third and Fifth in the root position, then it forms "Inversion", we call this chord "Inversion Chord". See the following major triad and its inverted chord.

Cm

Chord Root Chord Type

Chord Name

The chord name contains two parts content: Chord root and Chord type.

Single Finger

Single finger type not only can detect single finger but also can detect multi finger. And the single finger makes it easily to play chords through only one, two or three keys. Including major, minor, seventh, and minor seventh chord. Refer to relevant picture on the right for details.

C		★ Major Triad Only press the root note on the keyboard.
Cm		★ Minor Triad Press the root note and the nearest left black key simultaneously.
C7		★ Seventh chord Press the root note and the nearest left white key simultaneously.
Cm7		★ Minor seventh chord Press the root note and the nearest left white and black keys simultaneously.

Auto Accompaniment

Multi-finger

Multi-finger allows you to play chords in normal fingering. Try playing the 32 chord types in C scale as listed on the right.

Note:

In full range mode, the entire keyboard will only recognize chords played in normal fingering.

0 C	1 C ₆	2 C _{M7}	3 C _{M7} (#11)	4 C _M (9)	5 C _{M7} (9)
6 C ₆ (9)	7 C _{aug}	8 C _m	9 C _{m6}	10 C _{m7}	11 C _{m7} (b5)
12 C _m (9)	13 C _{m7} (9)	14 C _{m7} (11)	15 C _{mM7}	16 C _{mM7} (9)	17 C _{dim}
18 C _{dim7}	19 C ₇	20 C _{7sus4}	21 C ₇ (b5)	22 C ₇ (9)	23 C ₇ (#11)
24 C ₇ (13)	25 C ₇ (b9)	26 C ₇ (b13)	27 C ₇ (#9)	28 C _{M7aug}	29 C _{7aug}
30 C _{sus4}	31 C ₁₊₂₊₅	Notes enclosed in parentheses are optional; the chords could be recognized without them.			

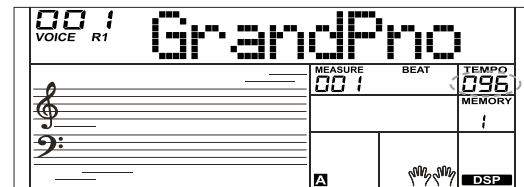
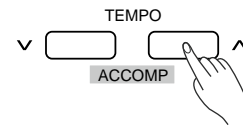
Tempo

Each style of the instrument has been set with a default or standard tempo; however, this can be changed by using the [TEMPO +]/[TEMPO -] button.

1. Use the [TEMPO +]/[TEMPO -] button to change the tempo. While the tempo value is flashing, use the data dial to quickly change the tempo.
2. Press the [TEMPO+] and [TEMPO-] buttons simultaneously to restore the default tempo setting.

Note:

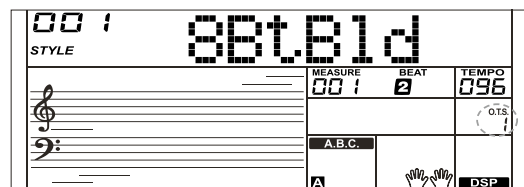
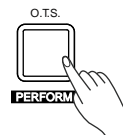
When style stops, changing the style will automatically reset the tempo. However, changing the style during style playback will not result in tempo change.



One Touch Setting

Sometimes it is not easy to get an appropriate voice to play a song, but One Touch Setting Function can make it easy to get a perfect choice. When One Touch Setting is switched on, you can instantly recall all auto accompaniment related settings including voices selection and digital effects simply with a single touch of a button.

1. Press the [O.T.S.] button to turn on the One Touch Setting for current style. The LCD displays "O.T.S.".
2. Press one of the One Touch Setting buttons [M1]-[M4]. Various panel settings (such as voice, effect, etc.) that match the selected style can be instantly recalled.



One Touch Setting parameter list:

- Part ON/OFF (VOICER1, R2, L)
- Voice Change (VOICER1, R2, L)
- Voice Volume (VOICER1, R2, L)
- Voice Reverb Level (VOICER1, R2, L)
- Voice Chorus Level (VOICER1, R2, L)

Note:

1. The O.T.S. is automatically turned off when you enter the song mode.
2. In O.T.S. mode, the memory is not selectable.

Harmony

The harmony function will automatically add harmony notes to the notes played in the right-hand section, which gives you a rich and harmonic expression.

Harmony Switch

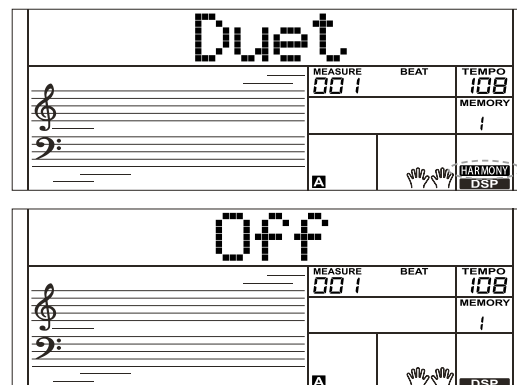
1. Press [HARMONY] button. The LCD displays "OFF", which indicates the harmony effects is turned off..
2. When the LCD displays "OFF", repeat the previous operation. The LCD displays "Duet", which indicates the harmony effect is on, and the type is Duet.
3. To choose a different harmony type, please refer to the harmony setting in function menu.

Play with harmony effect

Turn on the A.B.C. function, then play a chord in the left hand area. As soon as you play in the right hand area, it will add harmony effect to the notes.

Note:

The harmony types of 1+5, Octave 1~2, Echo 1~4, Tremolo 1~4 and Trill 1~4 will always be available, but the rest are not selectable until the A.B.C is turned on.



Performance Assistant

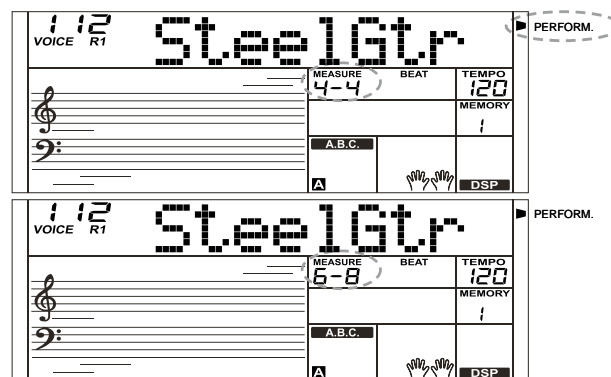
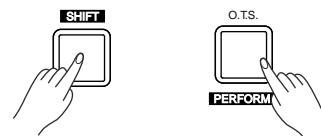
There are 2 voices you can select to perform in performance assistant mode: Guitar and Piano.

What's the performance assistant?

Performance assistant is an easy-to-use function. With this function you will find playing to be more interesting. Even if you are not a keyboard player, the performance assistant will help you to play your familiar instrument voice on the keyboard with ease. Performance assistant provides many wonderful phrases. Just use several keys and you will perform your own wonderful music.

Enter the Performance Assistant

1. Holding down [SHIFT] button, and then press [PERFORM] button to enter the performance assistant mode. The default setting is Guitar Mode and the LCD will display Guitar's voice name.
2. You can use the Data Dial, [+ / YES] or [- / NO] button to shift between the guitar voice and the piano voice.
3. The default time signature is the 4/4 and you can change it in function menu. Please refer to Performance Beat setting in function menu.
4. Performance assistant supports the following time signature: 2/4, 3/4, 4/4, and 6/8 beat.
5. Use the [TEMPO+] or [TEMPO-] to change the tempo.



Performance Assistant

Guitar Mode

Guitar key map

The Guitar Mode makes you perform a guitar voice with keyboard just like you're playing a real guitar. In this mode you can use some perform skills like strum (5), broken chord (5), echoism (5) and also 2 endings.

Chord part

C2 to B3 is the chord part area. Play a chord in this area.

Sub Area 1

C4 to B4 (only white keys) is the sub area 1. Up to 5 types of broken chord are provided in this area.

Sub Area 2

The 6 keys: C5 to A5 (only white keys) simulate the 6 strings of a real guitar. Play a free solo in this area.

Rhythm Area

C6 to G6 (only white keys) is the rhythm area. Wonderful styles and strums are provided in this area. Use A6 to B6 to play an ending.

Position Change

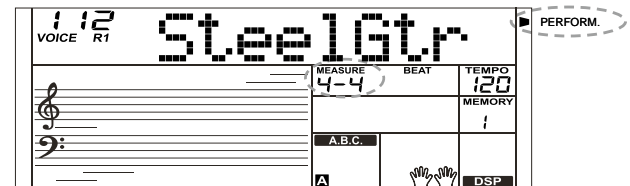
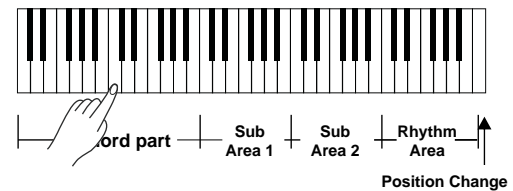
Press C7, the guitar voice will be shifted to a high position.

Repeatedly press the C7 key to change the guitar voice between a high and a low position.

Note:

The keys above C7 will not respond in this mode.

Guitar key map



Playing in Guitar Mode

Play a chord in the chord part.

A chord type will be displayed on the LCD and the guitar root note will sound.

Play a broken chord in the sub area 1.

When the chord type is on display, press a white key in the sub area 1, a wonderful broken chord phrase will start. Press other white keys to play different phrases. Play a different chord with your left hand to enjoy the subtle change in the phrases.

Play a free solo in the sub area 2.

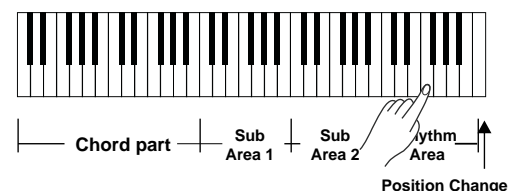
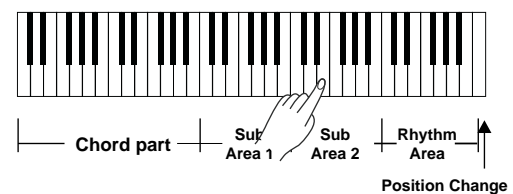
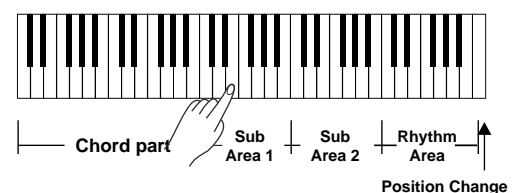
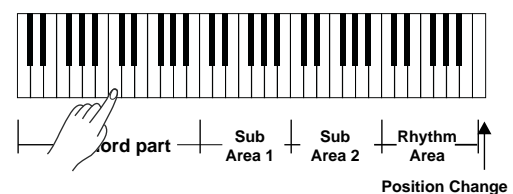
When the chord type is on display, press a white key in the sub area 2 you can play guitar free solo, like you're playing a real one. Play different chords with your left hand to bring more dynamics to your performance. The last white key B5 is invalid.

Play a strum rhythm in the rhythm area.

When the chord type is on display, press a white key in the rhythm area you can play the magic strum rhythm. Change the chord with your left hand, and play your strums.

End the guitar performing.

Press the A6 or B6 to end your guitar performs. When the ending is finished, the phrase stops automatically.



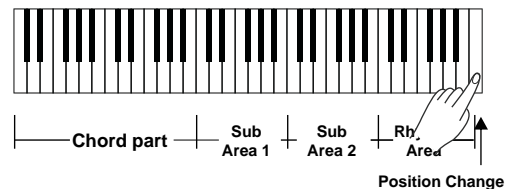
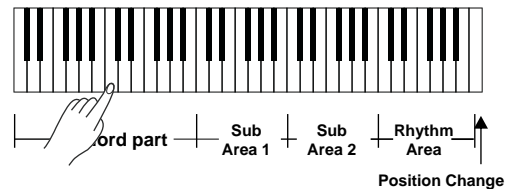
Performance Assistant

Play the echoism.

Play the black keys on Sub area 1, Sub area 2 and Rhythm area to play different echoism patterns. There are 5 kinds of echoism to arrange on the C#, D#, F#, G#, A# circularly.

Change the position

Press the C7, the PERFORM.H icon will be lightened on the LCD. It means that the guitar position has been changed to the High position. Play the white keys in sub area 1, Sub area 2 and Rhythm area, and enjoy the vivid guitar performance.



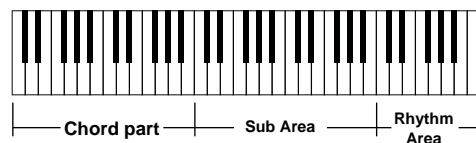
Piano Mode

Piano Key Map

The piano mode allows you to play the piano voice just like playing the acoustic one. In this mode you can use such piano phrases as piano rhythm (5), broken chord (5) and also 3 endings.

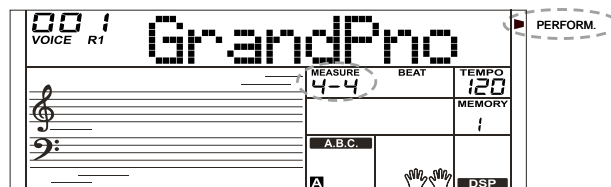
The piano key map is similar to the guitar key map. Press A6 to C7 (white keys) will start an ending. All the black keys above C4 are invalid.

Piano Key Map



Playing in Piano Mode

1. Select Piano Mode.
In performance assistant mode, use data dial, [+ / YES] or [- / NO] button to select Piano Mode.
2. Play a chord in chord part. Play different phrases in Sub area and Rhythm area.
3. Press the A6, B6 or C7 to end your piano performance. When the ending is finished, the phrase stops automatically.



Exit the Performance Assistant

When the phrase stops, press the [VOICE], [STYLE], [SONG], [DEMO], [SHIFT] + [PERFORM] to exit the Performance Assistant mode.

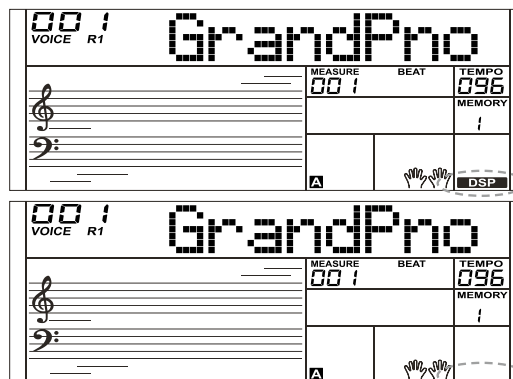
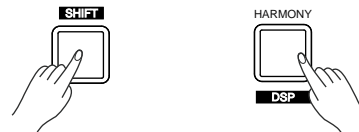
DSP

The DSP simulates sounds in real environment. With the DSP effect, you can add ambiance and depth to your performance in a variety of ways. The DSP effect is set to ON and the icon on the LCD is lighten when keyboard is power on.

Holding down [SHIFT] button and then press the [DSP] button to turn the DSP effect on or off. Refer to Function Menu for the effect types and the adjustable levels.

Note:

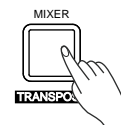
It may cause a break or a noise if you switch on/off the DSP when style and song is playing. This is normal and need not panic.



Mixer

The Mixer allows you to adjust separately the volume of different tracks.

1. Press the [MIXER] button to enter the mixer function menu, the LCD displays the current mixer track.
2. Repeatedly press the [MIXER] button to select the track you want. Then use [+ / YES] / [- / NO] button or data dial to change parameters.

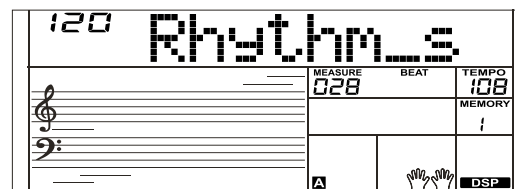


The option and parameters are as follows:

Content	LCD Display	Range
Adjust the Percussion track volume.	XXX Rhythm_s	0 - 127
Adjust the Rhythm track volume.	XXX Rhythm_m	0 - 127
Adjust the Bass track volume.	XXX Bass	0 - 127
Adjust the Chord 1 track volume.	XXX Chord1	0 - 127
Adjust the Chord 2 track volume.	XXX Chord2	0 - 127
Adjust the Chord 3 track volume.	XXX Chord3	0 - 127
Adjust the Phrase 1 track volume.	XXX Phrase1	0 - 127
Adjust the Phrase 2 track volume.	XXX Phrase2	0 - 127
Adjust the Upper 1 track volume.	XXX Upper 1	0 - 127
Adjust the Upper 2 track volume.	XXX Upper 2	0 - 127
Adjust the Lower track volume.	XXX Lower	0 - 127

Note:

It will exit the mixer menu if there is no operation in 5 seconds.



Pedal Function

You can assign other pedal functions to the sustain pedal. Please refer to the Function Menu.

1. Sustain Pedal

This pedal function performs the same function as the damper pedal on an acoustic piano, letting you sustain the sound of voices even after releasing the keys.

Step and press on the pedal to turn the sustain effect on.
Release the pedal to turn the sustain effect off.

2. Soft Pedal

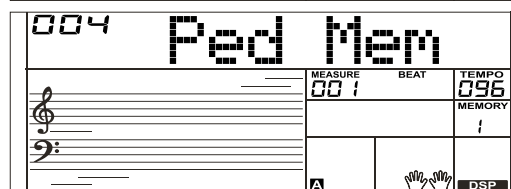
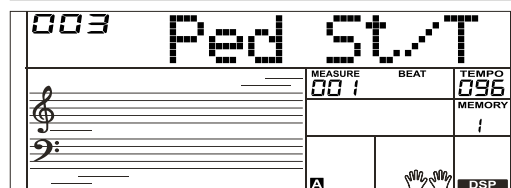
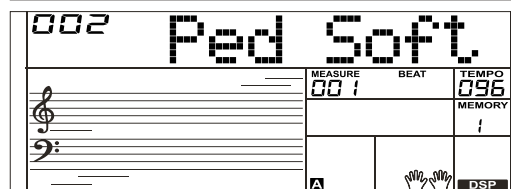
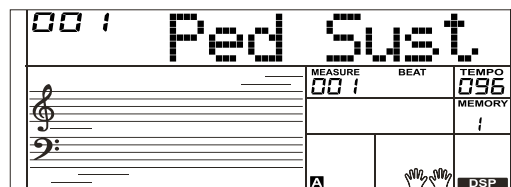
When the soft pedal is selected, press the pedal to make them (the notes you play) sound softer.

3. Style Start/Stop Pedal

When the style start/stop pedal is selected, press the pedal to start/stop accompaniment.

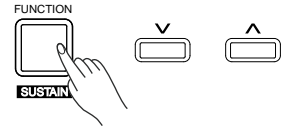
4. Memory Pedal

When the memory pedal is selected, pressing this pedal at the first time will call up register memory: M1, and then you can call up register memory M2, M3...by pressing this pedal step by step.



Function Menu

Press the [FUNCTION] button to enter function menu. The LCD displays the current function menu option. Use [+ /YES]/ [-/NO] button or data dial to set parameter of the current menu.



The option and parameters are as follows:

NO.	Content	LCD display	Range	Default
1	Tune	xxx Tune	-50 ~ +50	000
2	Key Split	xxx KeySplit	1~61	019
3	Beat Type	xxx Beat	0, 2 ~ 9	004
4	Metronome Volume	xxx MetroVol	0~127	80
5	Pedal Type	xxx Ped XXX	Sustain, Soft, St/Stop, Memory	Sustain
6	EQ Type	xxx EQ XXX	Pop, Rock, Class, Jazz, Dance, Reset	Reset
7	Reverb Type	xxx Rev XXX	Room1, Room2, Room3, Hall1, Hall2, Hall3, Church1, Church2, Delay, PanDelay	RevHall1
8	Reverb Level	xxx Rev Lev	0 ~ 127	80
9	Chorus Type	xxx Chr XXX	Chorus1, Chorus2, GM Chorus1, GM Chorus2, Flanger1, Flanger2, Rotary1, Rotary2	GM Chr2
10	Chorus Level	xxx Chr Lev	0 ~ 127	0
11	Harmony Types	xxx Duet	Duet, StandardTrio, Full Chord, Rock Duet, Country Duet, Country Trio, Block, 4 Close 1, 4 Close 2, 4 Open, 1+5, Octave1, Octave2, Strum, Echo1, Echo2, Echo3, Echo4, Tremolo1, Tremolo2, Tremolo3, Tremolo4, Trill1, Trill2, Trill3, Trill4	Duet
12	MIDI Receive	xxx Midi In	1 ~ 16, ALL	ALL
13	MIDI Transmit	xxx Midi Out	1 ~ 16	001
14	Auto Power Off	xxx PowerOff	OFF, 30, 60	030
15	Performance Beat	xxx Perfm Bt	4-4, 3-4, 2-4, 6-8	4-4
16	Vocal Effect	xxx V-VclOff	V-VclOff, V-Delay, V-Tremlo, V-PShift, V-LoFi V-OvrDri, V-Reverb, V-CmPres	V-VclOff
17	Vocal Effect Level	vOff-Lev	vOff-Lev: 0, vDel-Lev: 0~31, vTre-Lev: 0~7 vPit-Lev: -24~18, vLfi-Lev: 0~31, vOve-Lev: 0~7 vRev-Lev: 0~31, vCom-Lev: 0~1	0, 0, 0, 0, 0, 0, 0, 0

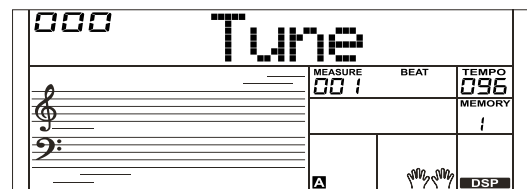
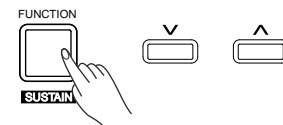
Note:

It will exit the function menu if there is no operation in 5 seconds.

Tune

This function sets the pitch of entire keyboard by in a 2-cent increment.

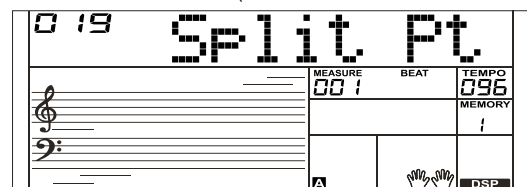
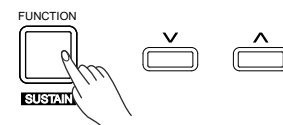
1. Repeatedly press the [FUNCTION] button to select the tune menu. The LCD displays "xxx Tune". Use [+ /YES]/ [-/NO] button or data dial to change tune value. Its range is from -50 to 50 cents.
2. Press [+ /YES] and [-/NO] buttons simultaneously will set the tune value to its default setting: 000. The setting applies to both accompaniment and the voice.



Key Split

The Point on the keyboard that separates voice L and voice R1/R2 is called the "split point". Left hand section controls the auto bass chord accompaniment when the A.B.C. function is on, or it plays the lower voices when the A.B.C. function is off.

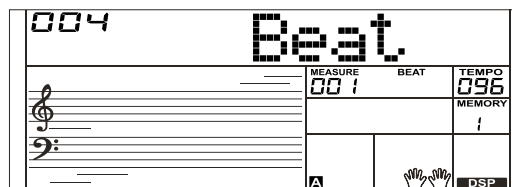
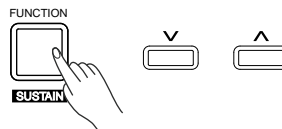
1. Repeatedly press the [FUNCTION] button to select split point menu. The LCD displays "xxx KeySplit". Use [+ /YES]/ [-/NO] button or data dial to change Split Point. The range of Split Point is: 1~61.
2. Press [+ /YES] and [-/NO] buttons simultaneously will set the split point value to its default setting: F#3 (19).



Function Menu

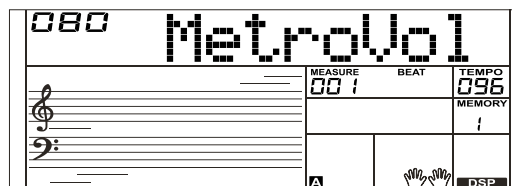
Beat Type

1. Repeatedly press the [FUNCTION] button to select beat type menu. The LCD displays "xxx BeatType". Use [+YES]/ [-NO] button or data dial to change beat type. The range of beat type: 0, 2-9.
2. Press [+YES] and [-NO] buttons simultaneously will set the beat type value to its default setting: 004.



Metronome Volume

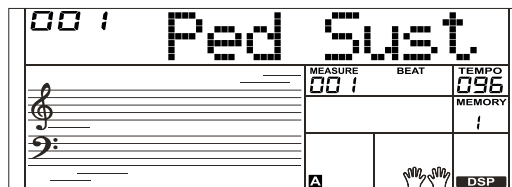
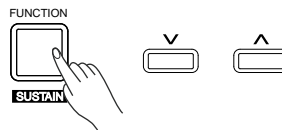
1. Repeatedly press the [FUNCTION] button to select metronome volume menu. The LCD displays "xxx MetroVol". Use [+YES]/[-NO] button or data dial to adjust metronome volume value. The range of metronome value is: 0 ~ 127.
2. Press [+YES] and [-NO] buttons simultaneously will set the metronome volume value to its default setting: 080.



Pedal Type

1. Repeatedly press the [FUNCTION] button to select pedal type menu. The LCD displays "00x Pedal Sust". Use [+YES]/ [-NO] button or data dial to change pedal type.
2. Press [+YES] and [-NO] buttons simultaneously will set the pedal type to its default setting: 001 PedalSustain. The pedal types are as follows:

No.	LCD	Pedal Function
1	Ped Sust	Sustain Pedal
2	Ped Soft	Soft Pedal
3	Ped St/T	Start/Stop Pedal
4	Ped Mem	Memory Switch Pedal

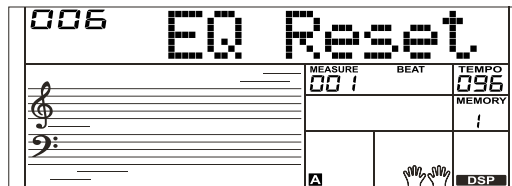
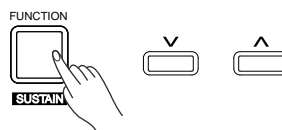


EQ Type

The EQ controls the gain setting of different frequency band. Different gain setting will produce different sound effect. You can select one of the 6 preset EQ settings in the EQ display.

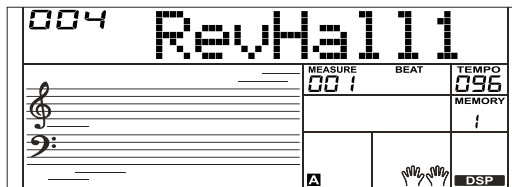
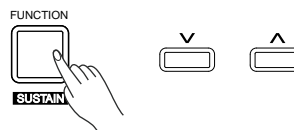
1. Repeatedly press the [FUNCTION] button to select the EQ type menu. The LCD displays "006 EQ Reset". Use [+YES]/ [-NO] button or data dial to change EQ type.
2. Press [+YES] and [-NO] buttons simultaneously will set the EQ type to its default setting: 006 EQ .

No.	LCD	EQ Type
1	EQ Pop	Pop
2	EQ Rock	Rock
3	EQ Class	Classical
4	EQ Jazz	Jazz
5	EQ Dance	Dance
6	EQ Reset	Reset



Reverb Type

1. Repeatedly press the [FUNCTION] button to select reverb type menu. The LCD displays "004 RevHall1". Use [+YES]/ [-NO] button or data dial to change reverb type.
2. Press [+YES] and [-NO] buttons simultaneously will set the reverb type to its default setting: 004 RevHall1.



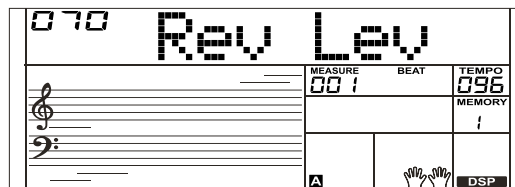
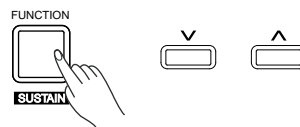
Function Menu

The reverb types are as follows:

No.	LCD	Reverb Type
1	RevRoom1	Room 1
2	RevRoom2	Room 2
3	RevRoom3	Room 3
4	RevHall1	Hall 1
5	RevHall2	Hall 2
6	RevHall3	Hall 3
7	Rev Chr1	Church 1
8	Rev Chr2	Church 2
9	Rev Del	Delay
10	Rev PanD	Pan Delay

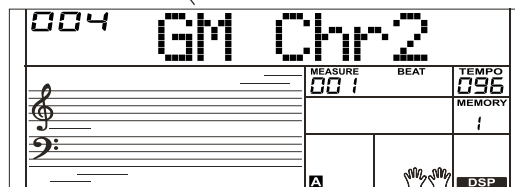
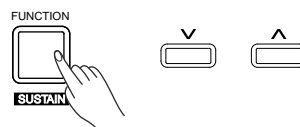
Reverb Level

1. Repeatedly press the [FUNCTION] button to select reverb level. The LCD displays "xxx Rev Lev". Use the [+ / YES] / [- / NO] button or data dial to change reverb level, adjustable range is: 0-127
2. Press the [+ / YES] and [- / NO] buttons simultaneously to restore its default setting: 070



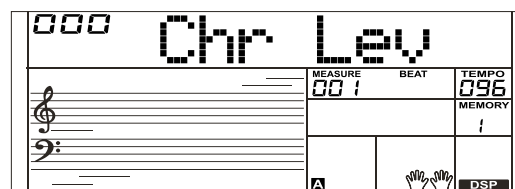
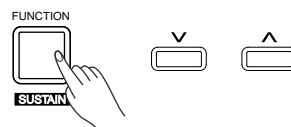
Chorus Type

1. Repeatedly press the [FUNCTION] button to select chorus type menu. The LCD displays "004 GM Chr2". Use [+ / YES] / [- / NO] button or data dial to change chorus type.
2. Press the [+ / YES] and [- / NO] buttons simultaneously to restore its default setting: 004 GM Chr2.



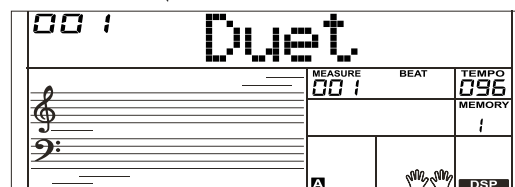
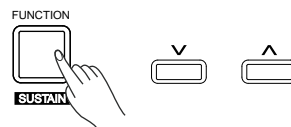
The chorus types are as follows:

No.	LCD	Chorus Type
1	Chorus1	Chorus 1
2	Chorus2	Chorus 2
3	GM Chr1	GM Chorus 1
4	GM Chr2	GM Chorus 2
5	Flanger1	Flanger 1
6	Flanger2	Flanger 2
7	Rotary1	Rotary 1
8	Rotary2	Rotary 2



Chorus Level

1. Repeatedly press the [FUNCTION] button to select chorus level menu. The LCD displays "xxx Chr Lev". Use the [+ / YES] / [- / NO] button or data dial to change chorus level, adjustable range is: 0-127.
2. Press the [+ / YES] and [- / NO] buttons simultaneously to restore its default setting: 000



Harmony Type

1. Repeatedly press the [FUNCTION] button to select harmony type menu. The LCD displays "001 Duet". Use [+ / YES] / [- / NO] button or data dial to change harmony type.
2. Press the [+ / YES] and [- / NO] buttons simultaneously to restore its default setting: 001 Duet.

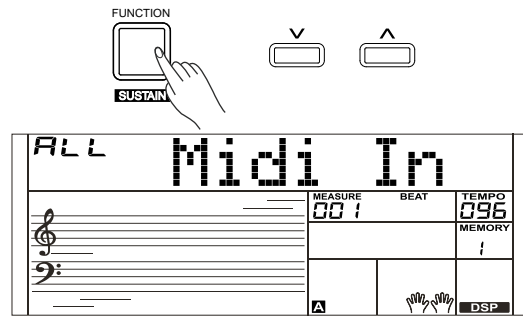
Function Menu

The harmony types are as follows:

No.	LCD	Harmony Type
1	Duet	Duet
2	StdTrio	StandardTrio
3	FulChord	Full Chord
4	RockDuet	Rock Duet
5	CtryDuet	Country Duet
6	CtryTrio	Country Trio
7	Block	Block
8	4Close1	4 Close 1
9	4Close2	4 Close 2
10	4Open	4 Open
11	1+5	1+5
12	Octave1	Octave 1
13	Octave2	Octave 2
14	Strum	Arpeggio
15	Echo1	Echo1
16	Echo2	Echo2
17	Echo3	Echo3
18	Echo4	Echo4
19	Tremolo1	Tremolo1
20	Tremolo2	Tremolo2
21	Tremolo3	Tremolo3
22	Tremolo4	Tremolo4
23	Trill1	Trill1
24	Trill2	Trill2
25	Trill3	Trill3
26	Trill4	Trill4

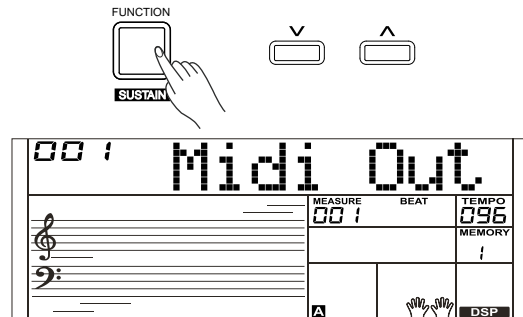
MIDI IN

1. Repeatedly press the [FUNCTION] button to select MIDI in menu. The LCD displays "xxx Midi In". Use [+ /YES] / [- /NO] button or data dial to change MIDI in channel: 1~16, ALL.
2. Press [+ /YES] and [- /NO] buttons simultaneously to restore MIDI in channel to its default setting: ALL.



MIDI OUT

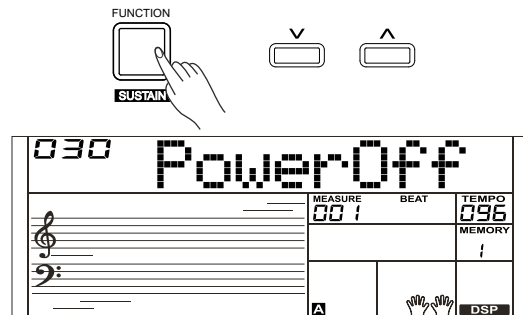
1. Repeatedly press the [FUNCTION] button to select MIDI out menu. The LCD displays "xxx Midi Out". Use [+ /YES] / [- /NO] button or data dial to change MIDI out channel: 1~16.
2. Press [+ /YES] and [- /NO] buttons simultaneously to restore MIDI out channel to its default setting: 001.



Auto Power Off

This function sets the time period after which the instrument will shut down if it is not used.

1. Repeatedly press the [FUNCTION] button to select auto power off menu. The LCD displays "xxx Power Off". Use [+ /YES] / [- /NO] button or data dial to change auto power off time: 30 minutes, 60 minutes or OFF.
2. Press [+ /YES] and [- /NO] buttons simultaneously will set the default setting is: 030 (30 minutes).

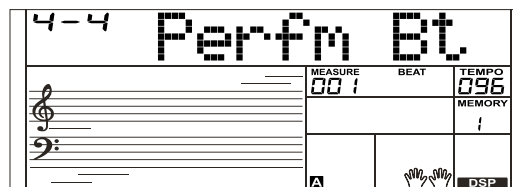


Function Menu

Performance Beat

This function is used to set the performance assistant beat type.

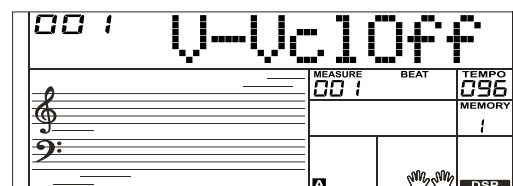
1. Repeatedly press [FUNCTION] button to select Perform Beat menu. The LCD displays "xxx Perf Bt". Use [+ / YES] / [- / NO] or data dial to change performance beat: 4-4, 3-4, 2-4, 6-8.
2. Press [+ / YES] and [- / NO] buttons simultaneously will set performance beat channel to its default setting: 4-4.



Vocal Effects

The vocal effect feature will give you a professional vocal experience when singing with a microphone. The instrument has preset 7 vocal effects: Delay, Tremolo, Pitch Shift, Low Fidelity, Overdrive, Reverb and Compressor.

1. Turn the vocal effects on/off
Repeatedly press the [FUNCTION] button to select the vocal effect menu. The LCD displays "001 V-VclOff", indicating all vocal effects are turned off.
2. Select a vocal effect
In the vocal effect menu, press the [+ / YES] / [- / NO] button to select a vocal effect, such as "002 V-Delay", which indicates the selected vocal effect is Delay.



Note:

The selected vocal effect is not activated yet, you need to adjust its level in the Vocal Effect Level menu.

Vocal Effect Level

You can adjust the effect level for each vocal effect in the vocal effect level menu.

1. Repeatedly press the [FUNCTION] button to select the vocal effect level menu. The LCD displays the current effect level, such as "015 vDel-Lev", which indicates the current delay level is 15.
2. Press the [+ / YES] / [- / NO] button to adjust the effect level. "000" means the current effect is turned off.

Vocal effects and the default levels are as follows:

No.	Vocal Effect	Effect Name	Default Level	Level Range
1	Effect Off	V-VclOff	000 vOff-Lev	0
2	Delay	V-Delay	000 vDel-Lev	0~31
3	Tremolo	V-Tremlo	000 vTre-Lev	0~7
4	Pitch Shift	V-PShift	000 vPit-Lev	-24~18
5	Low Fidelity	V-LoFi	000 vLfi-Lev	0~31
6	Overdrive	V-OvrDri	000 vOve-Lev	0~7
7	Reverb	V-Reverb	000 vRev-Lev	0~31
8	Compressor	V-CmPres	000 vCom-Lev	0~1

Restore Factory Setting

Pressing and holding [+ / YES] and [- / NO] button together and then turn the power on, the instrument will be restored to factory setting. It will delete all the user data: user styles, user songs and registered memory. The LCD will display "Loading!". After the restore completed, the instrument will start normally.

Register Memory

The Registration Memory feature can make your performance more easy and efficient. It allows you to save virtually all panel settings to a Registration Memory setting, and you can instantly recall custom panel settings by pressing a single button.

Registering the Panel Setting

1. There are 8 memory banks, and each bank has 6 memories (M1-M6).
2. Holding down the [STORE] button, then press one of the registration memory buttons: [M1] - [M6]. Notice that the new settings will replace the previous memory data.

Note:

Press [STORE] and [M1] button then power on, the registration memory will be reset to default.

Recalling the Registered Panel Settings

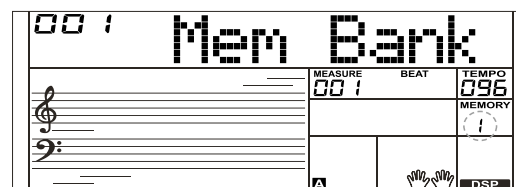
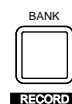
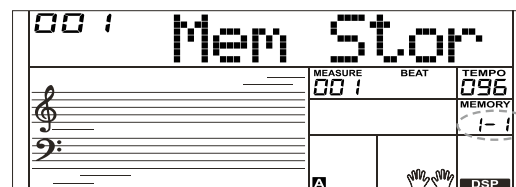
Press one of the registration memory buttons: [M1] - [M6]. For example, press [M2], the panel settings stored in the memory 2 of bank 1 are recalled.

Note:

Registration data cannot be recalled when the One Touch Setting function is on.

Selecting a Registration Bank

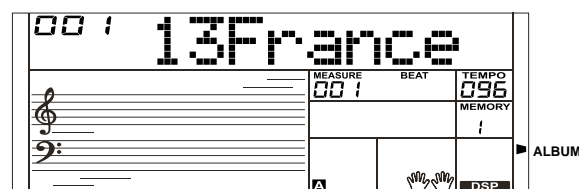
1. Press the [BANK] button. The LCD will display the bank number.
2. There are 8 banks in all and each bank has 6 memories (M1-M6). Repeatedly press the [BANK] button to select a bank.
3. You can save following parameters into M1-M6 registered memory:
 - Voice Parameter:** including voice, dual, lower, DSP, mixer.
 - Accompaniment Parameter:** including style, tempo, and accompaniment no/off.
 - Function Parameter:** including velocity, part parameters in function menu.



Song Album

The album function allows you to practise a song with a preset style, tempo and voice. The instrument features a variety of song albums. Please refer to the Album List.

1. Holding down [SHIFT] button and then press the [ALBUM] button to turn the album function on or off.
2. When the album function is on, LCD displays the name of album song and the album indicator lights up. Now use the data dial, [+ / YES] or [- / NO] button to select an album song. The instrument will recall the accompaniment parameters to fit that song.
3. Press the [VOICE] or [STYLE] button to exit the album function.



Record

With the easy-to-use song recording features, you can record your own keyboard performances as a user song. Each user songs can be recorded with 6 tracks (1 ACCOMP track, 5 MELODY tracks) each.

Start Recording

Before you start recording, you need to select a user song to which the recording song will be saved.

1. Holding down [SHIFT] button and then press the [RECORD] button to enter user song selection mode. The LCD displays "RecSng01" and sequence number.

Use the data dial, [+ / YES] or [- / NO] button select the user song you want.

2. Holding down [SHIFT] button and then press the [RECORD] button again to enter recording standby mode. "REC" appears on LCD and the beats start flashing. The instrument will automatically select an empty track to record your performance.

The select track indicator will flash on the left of LCD.

3. In the recording standby mode, you can adjust parameters such as the voice, style and tempo. When recording a new song, it will automatically select "Melody 1" as the recorded track.

Holding down [SHIFT] button and then press "ACCOMP" (or "MELODY1" to "MELODY 5") to select a desired track.

The ACCOMP track and one of MELODY track can be recorded at the same time, but it cannot record two MOLODY track simultaneously.

4. Press [START/STOP] button or play the keyboard to start recording. If you have selected the ACCOMP track, and have turned on the A.B.C. function, recording will start as soon as you play a chord in the left hand area.

Select a Track

Track indicators on LCD usually show one of three states: Blinking, Light on, Light off.

Blinking: It means the track is chosen for recording. If the track has recorded data, the original data will be replaced.

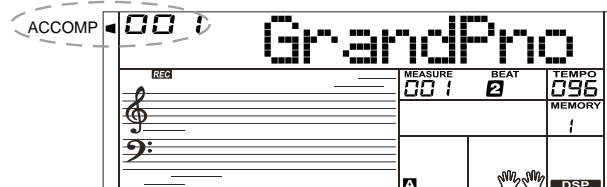
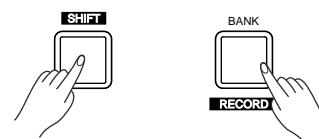
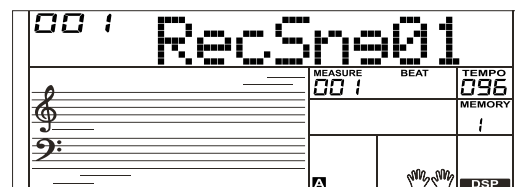
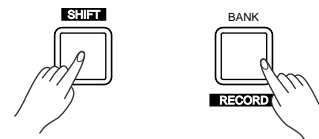
Light on: the track has data and will play back the data during recording.

Light off: the track either has no data or is under recording and cannot play back.

In recording standby mode, you can press the track buttons repeatedly to shift between different states.

Note:

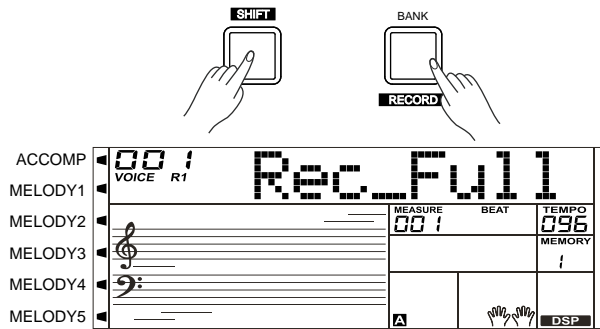
1. Record style with accompaniment track, and record melody with melody track.
2. In recording standby mode, it will automatically select the empty track next to the occupied track. For example, if "Melody 1" is occupied, then "Melody 2" will be selected as the record track. When all 6 tracks have been recorded, select the "melody 1" track to save recordings.



Record

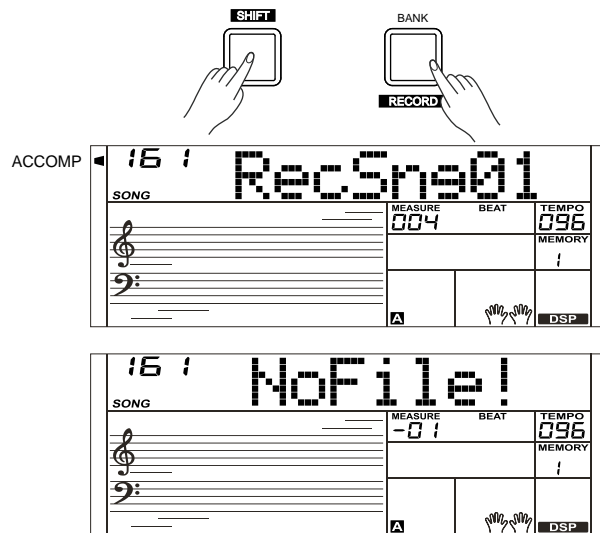
Stop Recording

1. When recording is in process, holding down [SHIFT] button and then press the [RECORD] button to stop recording.
2. When recording is in process, if the memory is full, the recording will stop and save automatically, and the LCD displays "Rec_Full".
3. If you are recording a style, recording will stop when the ending section is finished.



Playback Recording

1. When recording is in process, holding down [SHIFT] button and then press the [RECORD] button, it will stop recording and enter the song mode, the LCD displays default name "RecSng" and number of user song, the current recorded song will play automatically in circle.
2. Press the [SONG] button to enter the song mode and it will play all songs circularly. Use the data dial, [+ / YES] or [- / NO] button to select a user songs. If there is no data in the selected user song, it will display "NoFile!" and stop playing.
3. When playback stops, you can select a user song, and then press the [START/STOP] button to play the selected song in a loop.



Note:

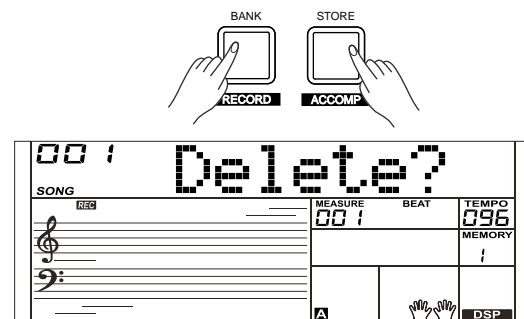
1. The saved user songs will not be lost after power off.
2. When the user song stops, press and hold a track button until its indicator lights off, the selected track will be muted in song playback.

Delete User Song

1. Press and hold [RECORD] and [STORE] button together and turn power on simultaneously, all user songs will be erased.
2. In the recording standby mode, holding down [SHIFT] button and then press the [RECORD] button for two seconds, the LCD will display "Delete?" Now you can press [ACCOMP] (or [MELODY 1] to [MELODY 5]) button to select the track you want to delete.

The track selected will light up. If all tracks light up, the whole user song will be erased after confirmation.

3. Press [+ / YES] to confirm and the recorded data in this track will be erased. Press [- / NO] to quit this step, and go back to the recording standby mode.

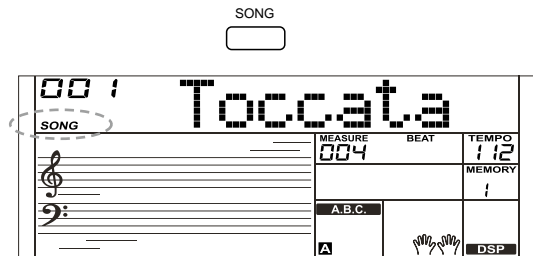


Song

The instrument has a variety of songs, and each song can be practised in the smart learning mode.

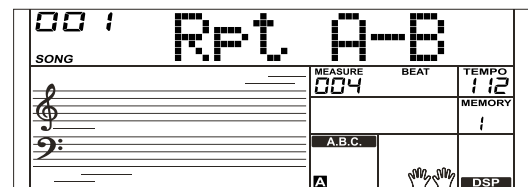
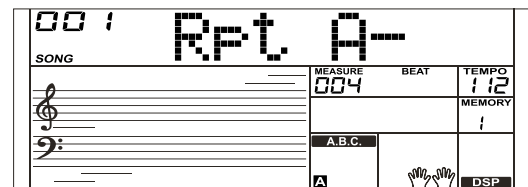
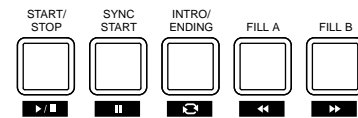
Listen to the songs

1. Press the [SONG] button to enter the song mode. The LCD shows "SONG" and it will play all songs circularly.
2. Use the data dial, [+ / YES] or [- / NO] button to select a song.
3. During song playback, press the [START / STOP] button to stop the song, press it again to play the current song repeatedly.
4. When the song is stopped, press the [STYLE], [RECORD], [VOICE], [DUAL] or [LOWER] button to exit the song mode.



Song Control

1. **Introductory Beat**
Before song start playing, it has the introductory beat; the measure starts from negative value. It begins to play the melody when the measure goes to 1.
2. **REW, FF and PAUSE**
When the song is playing:
Press the [▶] button to fast forward the song.
Press the [◀] button to rewind the song (base on the measure).
Press the [⏸] button to pause the playing song, press it again to continue playing.
3. **Song Repeat**
When playing the song, press the [↺] to set the beginning for a loop section of the current song, then press it again to set the loop end.
When in loop status, press [↺] again to quit the loop playing status.



Smart Learning System

This built-in smart learning mode provides a variety of ways to help you learn a new song faster and better. It smartly tailors the lessons for you, tracks your progress and grows with you through the practice.

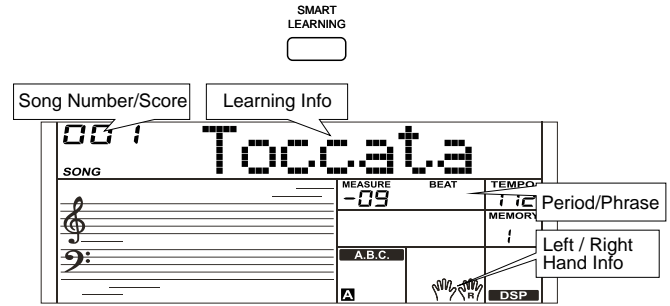
Smart Learning

How to start the smart learning mode?

Press the [SMART LEARNING] button to enter the Smart Learning mode. LCD will first display the current song name and number, then display the lesson name before the lesson starts.

Note:

1. Use the data dial, [+ / YES] or [- / NO] button to conveniently select a song.
2. In the process of learning, the LCD displays the highest score of previous challenge learning.



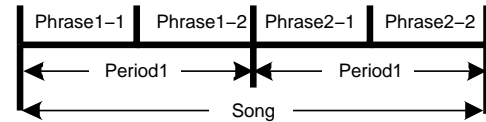
What is period and phrase?

The fastest way to learning a new song is to divide the song into several parts, and individually practice each part. While you have a good command of each part, it may become very easy to learn the complete song.

A musical phrase is a unit of musical meter that has a complete musical sense of its own. Just like a complete sentence in an article.

In music, a period is a group of phrases consisting usually of at least one phrase, a common combination is two or four phrases, but three, five or more phrases still exist.

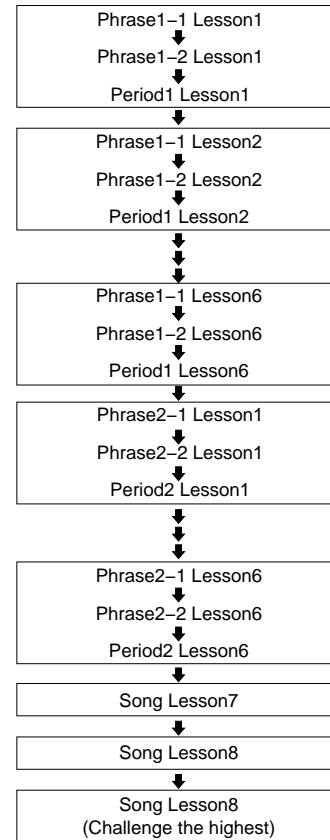
Refer to the relationship of song, period and phrase on the right picture.



How to practicing with smart learning?

In order to help you learn songs faster and easier, the instrument presets 8 lessons for each song, which includes: step learning of pitch, timing, left hand, right hand, period, phrase and so on, try learning a new song in an enjoyable way. The contents of each lesson is shown in the following list:

NO.	LCD	Content of Lesson
1	LESSON 1	Learn right hand pitch of period/phrase.
2	LESSON 2	Learn right hand pitch and timing of period/phrase.
3	LESSON 3	Learn left hand pitch of period/phrase.
4	LESSON 4	Learn left hand pitch and timing of period/phrase.
5	LESSON 5	Learn both hands pitch of period/phrase.
6	LESSON 6	Learn both hands pitch and timing of period/phrase.
7	LESSON 7	Learn both hands pitch and timing of complete song.
8	LESSON 8	High score challenge.



Smart Learning System

Normally, you will start from lesson 1 to lesson 6 before going to learn the whole song at lesson 7. During the lessons, the instrument will smartly pick out those phrases that you are not so familiar in the practice, and tailor the practice to fit your progress. In lesson 8 (High score challenge), you can challenge the highest score, and the score will be permanently recorded.

Prompt Message

LCD	Description
Lesson 1	Prepare for the next lesson.
Play A	preview the phrase which you are going to learn
Try A	Prompt the phrase which you are learning.
Go Ahead	You have passed the current period/ phrase, please prepare for the next period / phrase.
Try Again	You haven't passed the current period/ phrase, please try again.
Play A-H	preview the period you are going to learning
Try A-H	Prompt the period you are learning.
Complete	You are going to lesson 7 (Complete song learning).
Test	You are going to lesson 8 (High score challenge).
Score85	Your score.
Retry ?	Prompt if you want to play again when you finish this challenge learning.

Lesson 1/3/5 (Pitch)

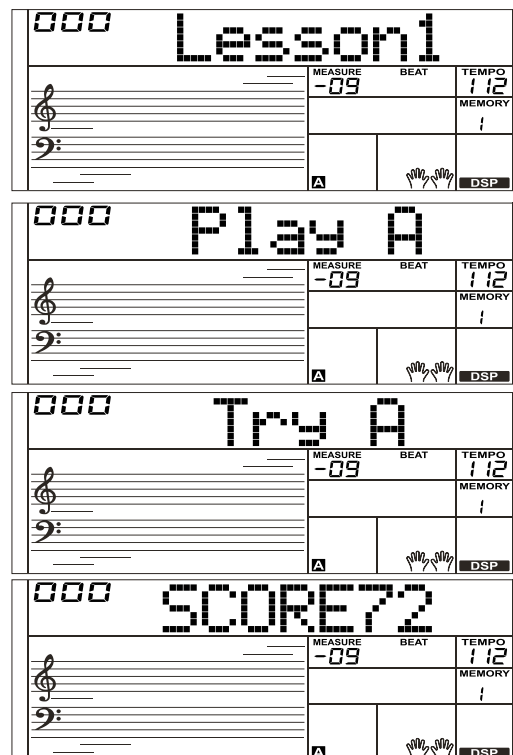
With lesson 1/3/5, you can learn how to currently play melody pitch and accompaniment chords of songs. These three lessons are played in a same method. We are going to introduce the lesson 1 as an example.

1. Press [SMART LEARNING] button, start the smart learning. Use data dial or [+ / YES] / [- / NO] button to select a song you want to learn.
2. The LCD currently displays name and number of song and, then, display the name of lesson "Lesson 1". When the LCD displays "Play A", it will preview the phrase you are going to learn. Please listen carefully and watch the notes on the staff.
3. When the LCD displays "Try A", it prompts you to play the notes to be shown on the staff.

Note:
When you press the correct note, the song will continue playing, otherwise, it will stop and wait.
4. After you have finished this phrase the LCD will display your current learning score "SCOREXX". If you have got a score of 80 or more points, congratulations, you have passed this lesson, and you can enter the next phrase learning. The LCD displays "Go Ahead". If you have got a score less than 80 points, the LCD displays "Try Again", it means you have to repeat this phrase again.

Note:

If your score is less than 80 points for 3 times, the system will replay the current phrase again to help you be familiar with it. Repeat the practice until you can play the phrase with ease.



Smart Learning System

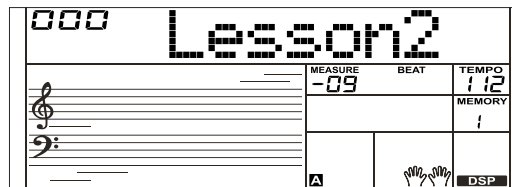
Lesson 2/4/6 (Pitch and Timing)

In lesson 2/4/6, you will further learn both the pitch and timing of a song. That is to say, play songs with correct timing, pitch or chord. These three lessons are played in a same method. We are going to introduce lesson 2 as an example.

1. The system automatically enters the lesson 2 after you have passed the lesson 1; The LCD displays "Lesson 2".
2. In lesson 2 mode, the system will preview the period /phrase you are to play, and then start the lesson 2 learning. The LCD displays "Try A".
3. The LCD currently displays your learning score: "SCOREXX". If your score is or more than 80 points, you can prepare for the next lesson, the LCD will display "GoAhead", otherwise, the LCD will display "Try Again", repeat practicing current phrase.
4. If your score is less than 80 points for 3 times, it will automatically reduce the tempo by 10%. (For example, if the original tempo is 100, then it will go down to 90); you can practice with the new tempo.
If your score reach 80 points, the tempo will automatically recover 10%, repeatedly practice period/phrase until you can play songs smoothly at the original tempo.

Note:

The tempo will be reduced by 50% at most. You can press [TEMPO +] and [TEMPO -] buttons simultaneously to reset to the default tempo.



Lesson 7 (Complete Song Learning)

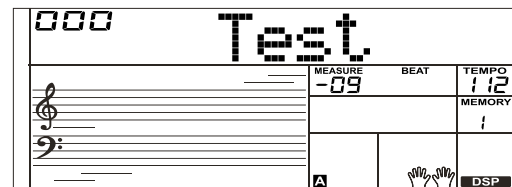
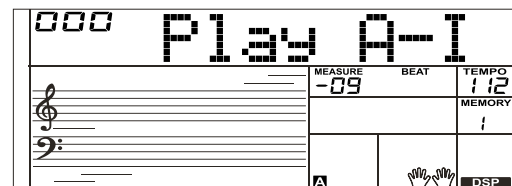
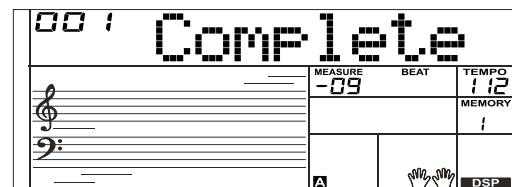
1. Normally, you can start lesson 7 after finished lesson 1~6. Of course, you can directly enter lesson 7 by pressing [▶] button. The LCD displays "Complete" means you are preparing to learn lesson 7.
2. In lesson 7 mode, the instrument will completely play back a song for once, and then start pitch and timing practice. During the lesson, it will smartly pick out those phrases that you are not so familiar in the practice, and tailor the practice to fit your progress. Repeatedly practice until you can play the song smoothly.

Lesson 8 (High Score Challenge)

When the above lessons are finished, it will automatically enter the lesson 8 learning, the high score learning. The LCD displays "Test" and your score from the last challenge.

Surely, if you want to directly challenge a song, you can press [▶▶] button, and switch to lesson 8 quickly. After you finish this lesson, the LCD will display your score and corresponding prompt sound. As the list below:

Score	Prompt Sound
<60	Try Again
60~69	Ok
70~79	Good
80~89	Very Good
90~100	Excellent



Smart Learning System

If your score is higher than the instrument record, then congratulations! This indicates that you have challenged successfully and your score will be permanently recorded.

Select a Lesson

Besides the standard learning procedure, you can also press the [◀] or [▶] button to freely select a lesson. You can select a lesson from lesson 1 to lesson 8; the LCD will display relevant information of lesson.

Pause the Lesson

Press the [⏸] button to pause. Press the [⏸] button again and the lesson will resume from the current position.

Note:

The [⏸] button cannot be used to pause lesson learning in lesson 1/3/5.

Stop/Start the Lesson

You can press the [start/stop] button to stop or start to learn. During the learning process, press the [start/stop] button, it will stop and go back the beginning of the current lesson.

Keeping Records of the Learning Progress

It smartly tracks your progress and save it, so the next time you enter the function, you can pick up from where you leave.

Note:

It will not save your progress or records unless you exit the function as instructed. That is to say, any sudden power off will result in lost of records.

Practice with the Metronome

At the beginning of a lesson, the metronome provides a click sound, giving you an accurate tempo guide when you practice, or letting you easily start the lesson learning.

Note:

Since the piano songs do not have any accompaniment in lesson 6/7/8, the system will automatically start metronome to help your lesson learning.

Chord Dictionary

If you know the name of a chord but don't know how to play it, you can use the Chord Dictionary function.

DICT 1 (Chord Learning Mode)

Holding down [SHIFT] button, and then press the [DICT.] button to enter the DICT 1 mode, the LCD displays "Dict.1" and the A.B.C. automatically turned on. In DICT 1 mode, the keys C4~B5 are used to assign the Chord Type, the keys C6~B6 are used to assign the Chord Root. When the Chord Type and Chord Root are confirmed, the LCD will display the Chord and its keyboard position. For example, if you want to play a CM7 Chord, press the C6 key to specify C as the chord root. The root note you set will be shown on the LCD but the note doesn't sound. Refer to the picture on the right for assigning the Chord Root.

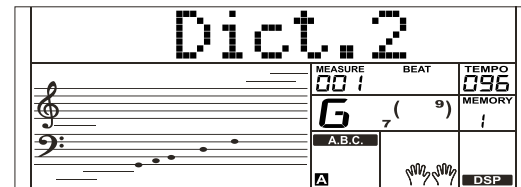
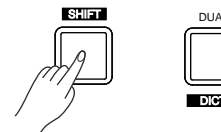
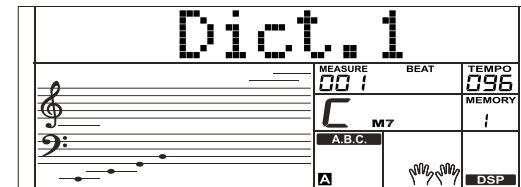
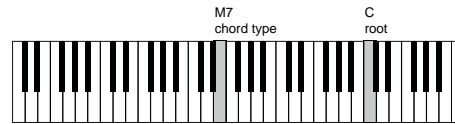
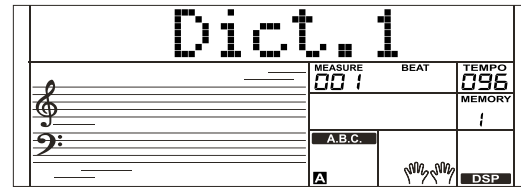
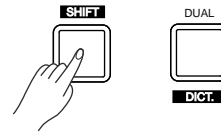
Press the E4 key to specify M7 as chord type. When the Chord Type and Chord Root are confirmed, the LCD will display the chord and its keyboard position. A prompt sound will be heard when you play it correctly in the chord area.

DICT 2 (Chord Testing Mode)

Holding down [SHIFT] button, and then press the [DICT.] button to enter the DICT 2 mode. In DICT 2 mode, you can have a chord test. LCD will display a chord name in random order. If the chord fails to be played in 3 seconds, its notes will appear on LCD. Once the chord is played correctly, a new chord name will appear after a few seconds. In DICT 2 mode, Holding down [SHIFT] button, and then press the [DICT.] button again to turn off chord dictionary.

24 Chords will be displayed in the dictionary mode as follows:

Note	Chord Root	Note	Chord Root	Note	Chord Root
C6	C	C4	M	C5	7(b9)
C#6	C#/Db	C#4	M(9)	C#5	7(9)
D6	D	D4	6	D5	7(#9)
Eb6	Eb/D#	Eb4	mM7	Eb5	7(b13)
E6	E	E4	M7	E5	7(13)
F6	F	F4	M	F5	7(#11)
F#6	F#/Gb	F#4	M(9)	F#5	dim7
G6	G	G4	M6	G5	dim
Ab6	Ab/G#	Ab4	M7(9)	Ab5	7aug
A6	A	A4	M7	A5	aug
Bb6	Bb/A#	Bb4	M7b5	Bb5	7sus4
B6	B	B4	7	B5	sus4



MIDI

With the MIDI functions you can expand your musical possibilities. This section will let you know what MIDI is, and what it can do, as well as how you can use MIDI on your instrument.

What's MIDI?

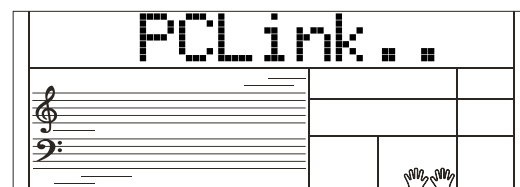
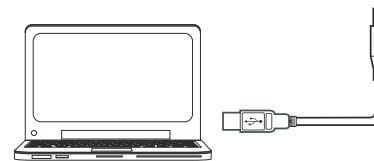
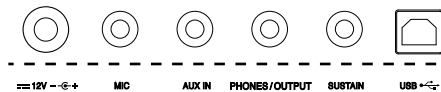
1. MIDI (short for Musical Instrument Digital Interface) allows a wide variety of electronic musical instruments, computers and other related devices to connect and communicate with one another. MIDI carries event messages that specify notation, pitch and velocity, control signals for parameters such as volume, vibrato, audio panning, and program change information to change the voice selections.
2. The instrument can output the real-time playback information via MIDI messages and control external MIDI devices. The instrument can also accept incoming MIDI messages and generate sound accordingly.

Note:

This instrument has a USB(DEVICE) terminal, which can be connected to a PC as an MIDI input or MIDI output. This can not be connected with another instrument, unless the instrument has a USB host terminal.

Upload/Download Data from the Computer

1. Connect a standard USB cable between the rear-panel USB jack on the instrument and the USB jack on your computer.
2. Power on the instrument first, and then open the PCSUITE software on your computer. If the LCD displays "PCLink.." it indicates the piano connects the PC successfully.
3. You can download MIDI files to the keyboard as user songs or upload the user songs to PC.
4. You can upload user styles to the computer as a backup or download them to the keyboard. You can upload memory files to the computer as a backup or download them to the keyboard.
5. Please refer to software operation instructions for detail operating methods.



Troubleshooting

Problem	Possible Cause and Solution
The speakers produce a pop sound whenever the power is turned ON or OFF.	This is normal and is no cause for alarm.
No sound when the keyboard is played.	Make sure the master volume is set to an appropriate level. Check if headphones are plugged into the PHONES/OUTPUT jack. The R1/R2/L voice volume (Mixer) settings could be set too low. Make sure the voice volumes are set at appropriate levels.
When using a mobile phone, noise is produced.	Using a mobile phone in close proximity to the instrument may produce interference. To prevent this, turn off the mobile phone or use it further away from the instrument.
The auto accompaniment does not play back even Sync is in standby condition and a key is pressed.	You may be trying to start accompaniment by playing a key in the righthand range of the keyboard. To start the accompaniment with Sync Start, make sure to play a key in the left-hand range of the keyboard.
Certain notes sound at wrong pitch.	Make sure that the tuning value is set to 0. Press and hold the [+ / YES] and [- / NO] buttons at the same time, then turning the power on will set INSTRUMENT to default.
The Harmony function does not operate.	Please make sure the Harmony function is on. And Harmony cannot be turned on when a drum kit is selected for the voice R1.

Notice:

If you notice any abnormality cannot handle, please connect the provider or specified repair station, and have the instrument inspected by qualified service personnel.

Specifications

LCD Display

Multi-functional LCD

Keys

61 Keys with Touch Response

Polyphony

128

Voices

653

Songs

160 Preset Songs and 10 User Songs

Styles

240 Preset Songs and 10 User Styles

Demos

8

Album

310

Tempo

30 – 280

Panel Memory

48

DSP

With DSP function, your performance will have a broader and fuller expression.

Chord Mode

Both single-finger mode and multi-finger mode.

Chord Dictionary

It is convenient for chord learning.

Accompaniment/Song Control

Start/Stop, Sync Start (Pause), Intro/Ending (Repeat A/B), Fill A (REW), Fill B (FF), Chord Mode, Fade.

Record

Record, Start/ Stop, Accom Track, Melody Track 1~5

Control button

Power Switch, Volume knob, Pitch Bend, SHIFT, TEMPO +/- (ACCOMP +/-), START/STOP, SYNC START (PAUSE), INTRO/ENDING (REPEAT), FILL A (REW), FILL B (FF), FADE, CHORD, DEMO, SONG, STYLE, VOICE, PIANO, SMART LEARNING, BANK (RECORD), STORE (ACCOMP), M1~M5 (MELODY 1~MELODY 5), M6 (TOUCH), O.T.S. (PERFORM.), METRONOME (OCTAVE), MIXER (TRANPOSE), DUAL (DICT.), LOWER (ALBUM), HARMONY (DSP), FUNCTION (SUSTAIN), -/NO, +/YES, NUMERIC BUTTONS.

Connectors

PHONES/OUTPUT, SUSTAIN, AUX IN, MIC, USB, DC IN.

Power Supply

DC IN 12V/1000mA

Speaker

4 ohm 10Wx2

Dimensions

956(L) X 360(W) X 133(H)

Weight

5.3KG

* All specifications and appearances are subject to change without notice.

Voice List

NO.	English Name	LCD Name
Piano		
1	Acoustic Grand Piano	GrandPno
2	Acoustic Grand Piano 2	GrandPn2
3	Acoustic Grand Piano (wide)	GrandPnW
4	Acoustic Grand Piano (dark)	GrandPnD
5	Bright Acoustic Piano	BritePno
6	Bright Acoustic Piano 2	BritePn2
7	Bright Acoustic Piano (wide)	BritePnW
8	Electric Grand Piano	E.Grand
9	Electric Grand Piano 2	E.Grand2
10	Electric Grand Piano (wide)	E.GrandW
11	Electric Grand Piano (dark)	E.GrandD
12	Honky Tonk Piano	HnkyTonk
13	Honky Tonk Piano 2	HnyTonk2
14	Honky Tonk Piano (wide)	HnyTonkW
15	Honky Tonk Piano (dark)	HnyTonkD
16	Harpsichord	Harpsi
17	Harpsichord 2	Harpsi2
18	Harpsichord (octave mix)	HarpsiO
19	Harpsichord (wide)	HarpsiW
20	Harpsichord (with key off)	HarpsiOf
21	Octave Grand Piano	OctPno
22	Octave Grand Piano 2	OctPno2
23	Piano & Strings	Pno&Str
24	Piano & Pad	Pno&Pad
25	Piano & Choir	Pno&Cho
26	Piano & EP	Pno&EP
27	Piano & Vibraphone	Pno&Vib
28	Detuned Electric Piano	DetunEP
29	Detuned Electric Piano 2	DetunEP2
30	Electric Piano	E.Piano
31	Electric Piano 2	E.Piano2
32	Electric Piano 3	E.Piano3
33	Electric Piano 4	E.Piano4
34	Electric Piano 1 (velocity mix)	E.PnoV1
35	Electric Piano 2 (velocity mix)	E.PnoV2
36	60's Electric Piano	60'sEP
37	EP Legend	EPLegend
38	Phase EP	PhaseEP
39	Clavi	Clavi
40	Clavi 2	Clavi2
41	Phase Clavi	PhaseClv
42	Wah Clavi	WahClv
43	Pulse Clavi	PluseClv
44	Dream EP	DreamEP
45	Tremolo EP	TremoEP
46	Funk EP	FunkEP
47	Warm EP	WarmEP
48	Choir EP	ChoriEP
49	Wah EP	WahEP
50	Modern EP	ModernEP
51	EP Pad	EPPad
Chromatic Percussion		
52	Celesta	Celesta
53	Celesta 2	Celesta2

54	Celesta 3	Celesta3
55	Glockenspiel	Glocken
56	Glockenspiel 2	Glocken2
57	Glockenspiel 3	Glocken3
58	Music Box	MusicBox
59	Music Box 2	MuscBox2
60	Music Box 3	MuscBox3
61	Vibraphone	Vibra
62	Vibraphone 2	Vibra2
63	Vibraphone (wide)	VibraW
64	Marimba	Marimba
65	Marimba 2	Marimba2
66	Marimba (wide)	MarimbaW
67	Xylophone	Xylophon
68	Xylophone 2	Xylopho2
69	Xylophone 3	Xylopho3
70	Tubular Bells	TubulBel
71	Tubular Bells 2	TubulBe2
72	Church Bell	ChurBell
73	Carillon	Carillon
74	Dulcimer	Dulcimer
75	Dulcimer 2	Dulcime2
76	Santur	Santur
Organ		
77	Italian 60's Organ	60'sOrgn
78	Drawbar Organ	DrawOrgn
79	Drawbar Organ 2	DrawOrg2
80	Detuned Drawbar Organ	DeDraOrg
81	Drawbar Organ 3	DrawOrg3
82	Detuned Percussive Organ	DePerOrg
83	Percussive Organ	PercOrgn
84	Percussive Organ 2	PercOrg2
85	70's Percussive Organ	70'sPcOr
86	Percussive Organ 3	PercOrg3
87	Rock Organ	RockOrgn
88	Rock Organ 2	RockOrg2
89	Rock Organ 3	RockOrg3
90	Church Organ	ChurOrgn
91	Church Organ 2	ChurOrg2
92	Church Organ 3	ChurOrg3
93	Church Organ (octave mix)	ChurOrgO
94	Detuned Church Organ	DeChuOrg
95	Reed Organ	ReedOrgn
96	Reed Organ 2	ReedOrg2
97	Rotary Organ	RotyOrgn
98	Puff Organ	PuffOrgn
99	Accordion	Acordion
100	Accordion 2	Acordin2
101	Accordion 3	Acordin3
102	Harmonica	Harmnica
103	Harmonica 2	Harmnic2
104	Harmonica 3	Harmnic3
105	Tango Accordion	TangoAcad
106	Tango Accordion 2	TangAcad2
Guitar		
107	Acoustic Guitar (nylon)	NylonGtr

Voice List

108	Acoustic Guitar (nylon) 2	NylonGt2
109	Acoustic Guitar (nylon) 3	NylonGt3
110	Acoustic Guitar (nylon + key off)	NylGtrOf
111	Ukulele	Ukulele
112	Acoustic Guitar (steel)	SteelGtr
113	Acoustic Guitar (steel) 2	SteelGt2
114	12-Strings Guitar	12StrGtr
115	Mandolin	Mandolin
116	Mandolin 2	Mandoli2
117	Steel Guitar with Body Sound	SteelBdy
118	Electric Guitar (jazz)	JazzGtr
119	Electric Guitar (jazz) 2	JazzGtr2
120	Electric Guitar (pedal steel)	PedalGtr
121	Electric Guitar (clean)	CleanGtr
122	Electric Guitar (clean) 2	CleanGt2
123	Electric Guitar (detuned clean)	DetClnGt
124	Mid Tone Guitar	MidTonGt
125	Electric Guitar (muted)	MutedGtr
126	Electric Guitar (muted) 2	MutedGt2
127	Electric Guitar (funky cutting)	FunkGt
128	Electric Guitar (muted velo-sw)	MutVelGt
129	Jazz Man	JazzMan
130	Overdriven Guitar	Ovrdrive
131	Overdriven Guitar 2	Ovrdriv2
132	Guitar Pinch	GtPinch
133	Distortion Guitar	DistGtr
134	Distortion Guitar 2	DistGtr2
135	Distortion Guitar (with feedback)	FeedbkGt
136	Guitar Feedback	GtrFedbck
137	Distorted Rhythm Guitar	DistRyth
138	Guitar Harmonics	GtrHarmo
139	Guitar Harmonics 2	GtHarmo2
140	Velocity Nylon Guitar	NylnGtVe
Bass		
141	Acoustic Bass	AcoBass
142	Acoustic Bass 2	AcoBass2
143	Wah Bass	WahBass
144	Electric Bass (finger)	FngrBass
145	Finger Slap Bass	FngrSlap
146	Electric Bass (pick)	PickBass
147	Electric Bass (pick) 2	PickBas2
148	Fretless Bass	Fretless
149	Fretless Bass 2	Fretles2
150	Slap Bass	SlapBass
151	Slap Bass 2	SlapBas2
152	Slap Bass 3	SlapBas3
153	Slap Bass 4	SlapBas4
154	Synth Bass	SynBass
155	Synth Bass 2	SynBass2
156	Synth Bass 3	SynBass3
157	Synth Bass 4	SynBass4
158	Warm Synth Bass	WarmBass
159	Rsonance SynBass	ResoBass
160	Clavi Bass	ClavBass
161	Hammer	Hammer

162	Attack Bass	AtackBas
163	Synth Bass (rubber)	RubbBass
164	Synth Bass (rubber) 2	RubbBas2
165	Attack Pulse	AtackPls
Strings & Orchestral		
166	Violin	Violin
167	Violin 2	Violin2
168	Violin (slow attack)	SIViolin
169	Viola	Viola
170	Viola 2	Viola2
171	Cello	Cello
172	Cello 2	Cello2
173	Contrabass	Contrabs
174	Contrabass 2	Contrbs2
175	Tremolo Strings	TremStr
176	Tremolo Strings 2	TremStr2
177	Tremolo Strings 3	TremStr3
178	Pizzicato Strings	PizzStr
179	Pizzicato Strings 2	PizzStr2
180	Orchestral Harp	Harp
181	Orchestral Harp 2	Harp2
182	Yang Chin	YangChin
183	Timpani	Timpani
184	Timpani 2	Timpani2
185	String Ensembles	Strings
186	String Ensembles 2	Strings2
187	String Ensembles 3	Strings3
188	String Ensembles 4	Strings4
189	Strings & Brass	Str&Bras
190	60's Strings	60'sStr
191	Synth Strings	SynStrs
192	Synth Strings 2	SynStrs2
193	Synth Strings 3	SynStrs3
194	Synth Strings 4	SynStrs4
195	Synth Strings 5	SynStrs5
196	Choir Aahs	ChoirAah
197	Choir Aahs 2	ChorAah2
198	Choir Aahs 3	ChorAah3
199	Voice Oohs	VoiceOoh
200	Voice Oohs 2	VoicOoh2
201	Humming	Humming
202	Anlong Voice	AnlVoice
203	Synth Voice	SynVoice
204	Synth Voice 2	SynVoic2
205	Orchestra Hit	OrchHit
206	Orchestra Hit 2	OrchHit2
207	Bass Hit Plus	BassHit
208	6th Hit	6thHit
209	Euro Hit	EuroHit
Brass		
210	Trumpet	Trumpet
211	Trumpet 2	Trumpet2
212	Dark Trumpet	DarkTrp
213	Trombone	Trombone
214	Trombone 2	Trmbone2

Voice List

215	Trombone 3	Trmbone3
216	Bright Trombone	BritBone
217	Tuba	Tuba
218	Tuba 2	Tuba2
219	Muted Trumpet	MuteTrp
220	Muted Trumpet 2	MuteTrp2
221	Muted Trumpet 3	MuteTrp3
222	French Horn	FrHorn
223	French Horn 2	FrHorn2
224	French Horn 3	FrHorn3
225	Brass Section	Brass
226	Brass Section 2	Brass2
227	Brass Section 3	Brass3
228	Synth Brass	SynBrass
229	Synth Brass 2	SynBras2
230	Synth Brass 3	SynBras3
231	Synth Brass 4	SynBras4
232	Synth Brass 5	SynBras5
233	Synth Brass 6	SynBras6
234	Synth Brass 7	SynBras7
235	Synth Brass 8	SynBras8
236	Analog Synth Brass	AnaBrass
237	Analog Synth Brass 2	AnaBras2
238	Analog Synth Brass 3	AnaBras3
239	Jump Brass	JumpBras
240	Jump Brass 2	JumpBrs2
241	Funny	Funny
242	Funny 2	Funny2
Reed		
243	Soprano Sax	SprnoSax
244	Soprano Sax 2	SprnSax2
245	Soprano Sax 3	SprnSax3
246	Alto Sax	AltoSax
247	Alto Sax 2	AltoSax2
248	Alto Sax 3	AltoSax3
249	Tenor Sax	TenorSax
250	Tenor Sax 2	TenoSax2
251	Tenor Sax 3	TenoSax3
252	Baritone Sax	BariSax
253	Baritone Sax 2	BariSax2
254	Baritone Sax 3	BariSax3
255	Oboe	Oboe
256	Oboe 2	Oboe2
257	Oboe 3	Oboe3
258	2 Oboes	2Oboes
259	English Horn	EngHorn
260	English Horn 2	EngHorn2
261	English Horn 3	EngHorn3
262	2 English Horns	2EngHons
263	Bassoon	Bassoon
264	Bassoon 2	Bassoon2
265	Bassoon 3	Bassoon3
266	2 Bassoons	2Bassoons
267	Clarinet	Clarinet
268	Clarinet 2	Clarine2

269	Clarinet 3	Clarine3
270	2 Clarinets	2Clarins
Pipe		
271	Piccolo	Piccolo
272	Piccolo 2	Piccolo2
273	Piccolo 3	Piccolo3
274	2 Piccolos	2Picolos
275	Sweet Flute	SwEEFlut
276	Flute	Flute
277	Flute 2	Flute2
278	Flute 3	Flute3
279	2 Flutes	2Flutes
280	Recorder	Recorder
281	Recorder 2	Recorde2
282	2 Recorders	2Records
283	Pan Flute	PanFlute
284	Pan Flute 2	PanFlut2
285	Sweet Pan Flute	SwPanFlu
286	Blown Bottle	Bottle
287	Blown Bottle 2	Bottle2
288	Shakuhachi	Shakhchi
289	Shakuhachi 2	Shakhch2
290	Whistle	Whistle
291	Whistle 2	Whistle2
292	Ocarina	Ocarina
293	Ocarina 2	Ocarina2
Synth Lead		
294	Lead 1 (square)	SquareLd
295	Lead 1a (square) 2	SquarLd2
296	Lead 1 (square) 3	SquarLd3
297	Lead 1b (sine)	SineLead
298	Lead 2 (sawtooth)	SawLead
299	Lead 2a (sawtooth) 2	SawLead2
300	Lead 2 (sawtooth) 3	SawLead3
301	Lead 2b (saw + pulse)	SawPlsLd
302	Lead 2c (double sawtooth)	DubSawLd
303	Lead 2d (sequenced analog)	SquAnaLd
304	Lead 2d (sequenced analog) 2	SqAnaLd2
305	Wavy Sawtooth	WavySaw
306	Bauble Lead	BaubleLd
307	Super Analog	SuperAna
308	Lead 3 (calliope)	CaliopLd
309	Lead 3 (calliope) 2	CalipLd2
310	Lead 4 (chiff)	ChiffLd
311	Lead 4 (chiff) 2	ChiffLd2
312	Lead 4 (chiff) 3	ChiffLd3
313	Lead 4 (chiff) 4	ChiffLd4
314	Lead 5 (charang)	CharanLd
315	Lead 5 (charang) 2	CharaLd2
316	Lead 5 (charang) 3	CharaLd3
317	Lead 5 (charang) 4	CharaLd4
318	Lead 5a (wire lead)	WireLead
319	Lead 5a (wire lead) 2	WireLd2
320	Lead 6 (voice)	VoiceLd
321	Lead 6 (voice) 2	VoiceLd2
322	Lead 7 (fifths)	FifthsLd

Voice List

323	Lead 7 (fifths) 2	FifthLd2
324	Lead 8 (bass + lead)	BassLead
325	Lead 8 (bass + lead) 2	BasLead2
326	Lead 8 (bass + lead) 3	BasLead3
327	Lead 8a (soft wrl)	SftWrLd
328	Massiness	Massin
329	Square	Square
330	Slow Square Lead	SlwSquLd
331	Sine Solo	SineSolo
332	Square Lead 4	SquarLd4
333	Thick Square	ThickSqu
334	2Oscillators Lead	2OscLd
335	Wavy Sawtooth 2	WavySaw2
336	Analog Lead	AnaLead
337	Big Lead	BigLead
338	Fat Lead	FatLead
339	PWM 4th	Rezz4th
340	Delayed Lead	DelyLead
341	Delayed Lead 2	DlyLead2
342	Fifth Lead	FifLead
343	Corrie	Corrie
344	Quint	Quint
Synth Pad		
345	Pad 1 (new age)	NewAge
346	Pad 1 (new age) 2	NewAge2
347	Pad 1 (new age) 3	NewAge3
348	Pad 1 (new age) 4	NewAge4
349	Pad 2 (warm)	WarmPad
350	Pad 2 (warm) 2	WarmPad2
351	Pad 2 (warm)3	WarmPad3
352	Pad 2a (sine pad)	SinePad
353	Pad 3 (polysynth)	PolySyn
354	Pad 3 (polysynth) 2	PolySyn2
355	Pad 3 (polysynth) 3	PolySyn3
356	Pad 3 (polysynth) 4	PolySyn4
357	Pad 4 (choir)	ChoirPad
358	Pad 4 (choir) 2	ChoirPd2
359	Pad 4a (itopia)	ItopiaPd
360	Pad 5 (bowed)	BowedPad
361	Pad 5 (bowed) 2	BowedPd2
362	Pad 5 (bowed) 3	BowedPd3
363	Pad 5 (bowed) 4	BowedPd4
364	Pad 6 (metallic)	MetalPad
365	Pad 6 (metallic) 2	MetalPd2
366	Pad 6 (metallic) 3	MetalPd3
367	Pad 7 (halo)	HaloPad
368	Pad 7 (halo) 2	HaloPad2
369	Pad 7 (halo) 3	HaloPad3
370	Pad 7 (halo) 4	HaloPad4
371	Pad 8 (sweep)	SweepPad
372	Pad 8 (sweep) 2	SweepPd2
373	Pad 8 (sweep) 3	SweepPd3
374	Pan Pad	PanPad
375	Pan Pad 2	PanPad2
376	Dipolar Pad	DipolPad

377	PWM Pad	PWMPad
378	Warmly Pad	WarmlyPd
379	Horn Pad	HornPad
380	Click Pad	ClickPad
381	Analog Pad	AnalogPd
382	80's Poly Pad	80'sPoly
383	PWM 4th Soft	PWM4thSf
384	Synth Calliope Soft	SynCalSf
385	Soft Vox	SoftVox
386	5th SawWave	5thSaw
387	5th Lead Soft	5thLdSf
388	Slow Square	SISquare
389	New Year Pad	NewYear
390	Space Voice	SpcVoice
391	Rising	Rising
392	Congregate	Congrega
Synth SFX		
393	FX 1 (rain)	FXRain
394	FX 1 (rain) 2	FXRain2
395	FX 2 (soundtrack)	Soundtrk
396	FX 2 (soundtrack) 2	Sondtrk2
397	Prelude	Prelude
398	FX 3 (crystal)	Crystal
399	FX 3 (crystal) 2	Crystal2
400	FX 3 (crystal) 3	Crystal3
401	FX 3a (synth mallet)	SynMalet
402	FX 4 (atmosphere)	Atmosphr
403	FX 4 (atmosphere) 2	Atmosph2
404	Warm Air	WarmAir
405	FX 5 (brightness)	Bright
406	FX 5 (brightness) 2	Bright2
407	Smog	Smog
408	FX 6 (goblins)	Goblins
409	FX 6 (goblins) 2	Goblins2
410	FX 6 (goblins) 3	Goblins3
411	Choir Bell	ChorBell
412	Choir Bell 2	ChorBel2
413	FX 7 (echoes)	Echoes
414	FX 7 (echoes) 2	Echoes2
415	FX 7 (echoes) 3	Echoes3
416	FX 7b (echo pan)	EchoPan
417	FX 7a (echo bell)	EchoBell
418	FX 7a (echo bell) 2	EchoBel2
419	FX 7a (echo bell) 3	EchoBel3
420	FX 8 (sci-fi)	Sci-Fi
421	FX 8 (sci-fi) 2	Sci-Fi2
422	FX 8 (sci-fi) 3	Sci-Fi3
Ethnic Misc.		
423	Sitar	Sitar
424	Sitar 2	Sitar2
425	Sitar 3	Sitar3
426	Banjo	Banjo
427	Banjo 2	Banjo2
428	Banjo 3	Banjo3
429	Shamisen	Shamisen
430	Shamisen 2	Shamise2

Voice List

431	Shamisen 3	Shamise3
432	Koto	Koto
433	Koto 2	Koto2
434	Taisho Koto	TaishoKt
435	Kalimba	Kalimba
436	Kalimba 2	Kalimba2
437	Kalimba 3	Kalimba3
438	Bag Pipe	BagPipe
439	Bag Pipe 2	BagPipe2
440	Bag Pipe 3	BagPipe3
441	Fiddle	Fiddle
442	Fiddle 2	Fiddle2
443	Fiddle 3	Fiddle3
444	Shanai	Shanai
445	Shanai 2	Shanai2
446	Shanai 3	Shanai3
Percussive		
447	Tinkle Bell	TnkIBell
448	Tinkle Bell 2	TnkIBel2
449	Tinkle Bell 3	TnkIBel3
450	Agogo	Agogo
451	Agogo 2	Agogo2
452	Agogo 3	Agogo3
453	Steel Drums	SteelDrm
454	Steel Drums 2	StelDrm2
455	Steel Drums 3	StelDrm3
456	Woodblock	WoodBlok
457	Woodblock 2	WodBlok2
458	Woodblock 3	WodBlok3
459	Castanets	Castanet
460	Castanets 2	Castant2
461	Taiko Drum	TaikoDrm
462	Taiko Drum 2	TaikDrm2
463	Taiko Drum 3	TaikDrm3
464	Concert Bass Drum	ConBasDm
465	Concert Bass Drum 2	ConBsDm2
466	Acoustic Bass Drum	BassDrum
467	Room Kick	RoomKick
468	Power Kick	PowrKick
469	Electric Bass Drum	ElBsDrum
470	Analog Bass Drum	AnBsDrum
471	Jazz Kick	JazzKick
472	Side Stick	SidStick
473	Analog Rim Shot	AnRiShot
474	Acoustic Snare	A.Snare
475	Room Snare	RomSnare
476	Power Snare	PowSnare
477	Electric Snare	E.Snare
478	Analog Snare	AnaSnare
479	Jazz Snare	JazSnare
480	Brush Tap	BrushTap
481	Concert SD	ConcetSD
482	Hand Clap	HandClap
483	Tom	Tom
484	Room Tom	RoomTom
485	Power Tom	PowerTom

486	Electric Tom	ElecTom
487	Analog Tom	AnaTom
488	Brush Tom	BrushTom
489	Closed Hi-hat	ClosedHH
490	Analog Closed Hi-hat	AnCloHH
491	Pedal Hi-hat	PedalHH
492	Open Hi-hat	OpenHH
493	Crash Cymbal	CrashCym
494	Analog Cymbal	AnaCym
495	Ride Cymbal	RideCym
496	China Cymbal	ChinaCym
497	Ride Bell	RideBell
498	Tambourine	Tambouri
499	Splash Cymbal	SplashCy
500	Cowbell	Cowbell
501	Analog Cowbell	AnaCowbl
502	High Bongo	HiBongo
503	Low Bongo	LoBongo
504	Mute Hi Conga	MuHiCnga
505	Open Hi Conga	OpHiCnga
506	Low Conga	LowConga
507	Analog Hi Conga	AnHiCnga
508	Analog Mid Conga	AnMiCnga
509	Analog Low Conga	AnLoCnga
510	High Timbale	HiTimbal
511	Low Timbale	LoTimbal
512	Cabasa	Cabasa
513	Maracas	Maracas
514	Analog Maracas	AnMaraca
515	Short Guiro	ShGuiro
516	Long Guiro	LoGuiro
517	Claves	Claves
518	Mute Cuica	MuCuica
519	Open Cuica	OpCuica
520	Mute Triangle	MuTrgle
521	Open Triangle	OpTrgle
522	Shaker	Shaker
523	Mute Surdo	MuSurdo
524	Open Surdo	OpSurdo
525	Melodic Tom	MeloTom
526	Melodic Tom 2	MeloTom2
527	Melodic Tom 3	MeloTom3
528	Synth Drum	SynDrum
529	Synth Drum 2	SynDrum2
530	Rhythm Box Tom	RhythBox
531	Electric Drum	ElecDrum
532	Electric Drum 2	EleDrum2
533	Reverse Cymbal	RevCymb1
534	Reverse Cymbal 2	RevCymb2
SFX		
535	Guitar Fret Noise	FretNoiz
536	Guitar Fret Noise 2	FreNoiz2
537	Guitar Cutting Noise	GiCtNoiz
538	Guitar Cutting Noise 2	GiCtNoz2
539	Acoustic Bass String Slap	BsStSlap
540	Acoustic Bass String Slap 2	BsStSlp2

Voice List

541	Breath Noise	BrthNoiz
542	Breath Noise 2	BrthNoz2
543	Flute Key Click	FlKeyClk
544	Flute Key Click 2	FlKeyCk2
545	Seashore	Seashore
546	Seashore 2	Seashor2
547	Rain	Rain
548	Thunder	Thunder
549	Wind	Wind
550	Stream	Stream
551	Bubble	Bubble
552	Bird Tweet	Tweet
553	Bird Tweet 2	Tweet2
554	Dog	Dog
555	Horse Gallop	HouseGlp
556	Telephone Ring	Telephone
557	Telephone Ring 2	Telephon2
558	Door Creaking	DoorCrek
559	Door	Door
560	Scratch	Scratch
561	Wind Chime	WindChim
562	Helicopter	Helicptr
563	Car Engine	CarEngin
564	Car Stop	CarStop
565	Car Pass	CarPass
566	Car Crash	CarCrash
567	Siren	Siren
568	Train	Train
569	Jetplane	Jetplane
570	Starship	Starship
571	Burst Noise	BurtNois
572	Applause	Applause
573	Laughing	Laughing
574	Screaming	Scream
575	Punch	Punch
576	Heart Beat	HeartBet
577	Footsteps	Footstep
578	Gunshot	Gunshot
579	Machine Gun	MachnGun
580	Lasergun	Lasergun
581	Explosion	Explosio
Combined Voice		
582	Stereo Piano & Strings Pad	Pn&StrPd
583	Stereo Piano & Choir	Pn&Choir
584	Stereo Piano & Synth Strings	Pn&SyStr
585	Stereo Piano & Warm Pad	Pn&WrmPd
586	Stereo Piano & Soft EP	Pn&SfEP
587	FM Electric Piano	FMEP
588	Digital Piano	DigitlPn
589	E.Piano & Strings	EP&Str
590	E.Piano & Acoustic Guitar	EP&Gtr
591	E.Piano & Vibraphone	EP&Vibra
592	E.Piano 2 & Pad	EP2&Pad
593	E.Piano 2 & Strings	EP2&Str
594	Harpichord & Stereo Strings	Hrps&Str
595	Music Box & Stereo Strings	MBox&Str

596	Vibraphone & Stereo Strings	Vib&Str
597	Vibraphone Octave	VibraOct
598	Vibraphone & Marimba & Kalimba	Vib&M&K
599	Marimba & Kalimba	Mar&Kal
600	Marimba Delay	MarDelay
601	Xylophone Octave	XylopOct
602	Organ & Stereo Strings	Orgn&Str
603	Stereo Organ & Piano	Orgn&Pno
604	Rock Organ & Strings	RkOr&Str
605	Church Organ & Choir	ChOr&Cho
606	Church Organ & Strings	ChOr&Str
607	Acoustic Guitar & Flute	Gtr&Flut
608	Acoustic Guitar & Clavi	Gtr&Clav
609	24 String Guitar	24StrGtr
610	Steel Guitar & Warm Pad	StGt&Pad
611	Stereo Strings & Horn	Str&Horn
612	Orchestra	Orchestr
613	Full Strings	FullStr
614	Full Strings 2	FullStr2
615	Symphonic	Symphon
616	Stereo Choir & Strings	Cho&Str
617	Stereo Choir & Steel Guitar	Cho&Gtr
618	3 Trumpet Loose	3Trumpet
619	Trombone & Stereo Strings	Tomb&Str
620	3 Trombones Loose	3Trmbone
621	3 Muted Trumpets Loose	3MuTrump
622	Club Brass	ClubBras
623	Brass & Woodwinds	Brs&Wood
624	Woodwinds & Strings	Wood&Str
625	Section Woods Small	WoodSmal
626	Pan Flute & Strings Pad	PnFl&Str
627	Koto & Shamisen	Kto&Sham
628	Flute & Clarinet	Flu&Clar
629	Flute & Oboe	Flu&Oboe
630	Flute & Bassoon	Flu&Bn
631	Flute & Oboe & Clarinet	Fl&Ob&Cl
632	Flute & Clarinet & Bassoon	Fl&Cl&Bn
633	Flute & Oboe & Bassoon	Fl&Ob&Bn
634	Flute Octave	FluteOct
635	Flute & Oboe Octave	Fl&ObOct
636	Flute & Clarinet Octave	Fl&ClOct
637	Oboe & Bassoon	Oboe&Bn
638	Oboe & Clarinet	Ob&Cl
639	Oboe & Clarinet & Bassoon	Ob&Cl&Bn
640	Oboe Octave	OboeOct
641	Oboe & Clarinet Octave	Ob&ClOct
642	Oboe & Bassoon Octave	Ob&BnOct
643	Clarinet & Bassoon	Cl&Bn
644	Clarinet & Oboe Octave	Cl&ObOct
Drums		
645	Standard Set	StandSet
646	Room Set	RoomSet
647	Power Set	PowerSet
648	Electronic Set	ElectSet
649	Analog Set	AnalgSet
650	Jazz Set	JazzSet
651	Brush Set	BrushSet
652	Orchestra Set	OrcheSet
653	SFX Set	SFXSet

Style List

NO.	English Name	LCD Name
8BEAT		
1	8Beat Ballad	8BtBld
2	8Beat Piano	8BtPiano
3	8Beat 1	8Beat1
4	Guitar Pop 1	GtPop1
5	8Beat Hip Hop	8BtHiHop
6	8Beat Blues Rock	8BtBluRk
7	8Beat Pop	8BtPop
8	Pop Funk 1	PopFunk1
9	Rhythm&Beat 1	Rhy&Bt1
10	8Beat Disco 1	8BtDisc1
11	8Beat Rock	8BtRock
12	Guitar Pop 2	GtPop2
13	8Beat 2	8Beat2
14	Sweet Beat	SweetBt
15	8Beat Dance	8BtDance
16	8Beat Disco 2	8BtDisc2
17	Pop Funk 2	PopFunk2
18	8Beat 3	8Beat3
19	60's 8Beat	60's8Bt
20	Rhythm&Beat 2	Rhy&Bt2
16BEAT		
21	16Beat 1	16Beat1
22	16Beat Funk 1	16BtFuk1
23	16Beat Ballad 1	16BtBld1
24	16Beat R&B	16BtR&B
25	Pop 16Beat 1	Pop16Bt1
26	16Beat Funk 2	16BtFuk2
27	16Beat Dance	16BtDanc
28	Pop 16Beat 2	Pop16Bt2
29	16Beat 2	16Beat2
30	Pop 16Beat 3	Pop16Bt3
31	Pop 16Beat 4	Pop16Bt4
32	Modern 16Beat	Modr16Bt
33	16Beat Hot	16BtHot
34	16Beat Modern	16BtModr
35	16Beat Funk 3	16BtFuk3
36	16Beat 3	16Beat3
37	Cool Beat	CoolBeat
38	16Beat Ballad 2	16BtBld2
39	16Beat 4	16Beat4
40	Pop Shuffle	PopShfl
POP&BALLAD		
41	Pop Rock 1	PopRock1
42	Pop Dance 1	PopDanc1
43	Pop Fusion	PopFusn
44	Analog Night 1	AnalgNt1
45	6/8 Pop	6/8Pop
46	Brit. Pop 1	BritPop1
47	Brit. Pop 2	BritPop2
48	Pop Hit	PopHit
49	Fusion Shuffle	FusShufl
50	Analog Night 2	AnalgNt2
51	Guitar Pop 3	GtPop3
52	Pop Beat	PopBeat

53	Soft Beat	SoftBeat
54	60's Pop	60'sPop
55	Sting Latin	StigLatn
56	R&B Ballad 1	R&BBld1
57	Guitar Ballad	GtBallad
58	Ballad Rock	BaldRock
59	Piano Pop	PianoPop
60	Soft Ballad	SoftBald
61	Natural Ballad	NatulBld
62	Love Ballad	LoveBald
63	Easy Ballad	EasyBald
64	Miami Folk	MiamiBld
65	Slow Ballad	SlowBald
66	Folk Ballad	FolkBald
67	Pop Ballad 1	PopBald1
68	Pop Ballad 2	PopBald2
69	EP Ballad	EPBallad
70	New R&B Ballad	NewRBBld
ROCK		
71	Rock	Rock
72	New Wave	NewWave
73	Ska	Ska
74	Pop Rock 2	PopRock2
75	Slow Rock	SlowRock
76	70's Rock&Roll	70'sRock
77	Folk Rock	FolkRock
78	Soft Rock	SoftRock
79	Old Rock	OldRock
80	Easy Rock	EasyRock
81	New Shuffle	NewShufl
82	Rock Hip Hop	RkHipHop
83	Rock&Roll 1	R'N'R1
84	Rock Shuffle	RockShfl
85	Rock&Roll 2	R'N'R2
BALLROOM		
86	Tango 1	Tango1
87	Spain Matador	Matador
88	Twist 1	Twist1
89	Twist 2	Twist2
90	Big Band Fox	BandFox
91	Tango 2	Tango2
92	Slow Fox	SlowFox
93	Slow Waltz 1	SlowWlzt1
94	Swing Fox	SwingFox
95	Salsa 1	Salsa1
96	Cha Cha 1	ChaCha1
97	Cha Cha 2	ChaCha2
98	Beguine 1	Beguine1
99	Beguine 2	Beguine2
100	Rumba 1	Rumba1
101	Samba 1	Samba1
102	Samba 2	Samba2
103	Jive	Jive
104	Fox Trot	FoxTrot
DANCE		
105	Techno 1	Techno1

Style List

106	Hip Hop 1	HipHop1
107	House 1	House1
108	House 2	House2
109	Pop Dance 2	PopDanc2
110	Down Beat	DownBeat
111	Techno 2	Techno2
112	Progressive	Progress
113	Rap 1	Rap1
114	Rap 2	Rap2
115	Disco	Disco
116	Soft Disco	SoftDisc
117	Disco Party	DscParty
118	70's Disco	70'sDisc
119	70's Disco Funk	70'sFunk
120	Club Dance	ClubDanc
121	Euro Dance	EuroDanc
122	Hip Hop 2	HipHop2
123	Garage	Garage
SOUL & FUNK		
124	Funk 1	Funk1
125	Classic Funk	ClasFunk
126	Jay R&B	JayR&B
127	Gospel Swing	GopSwing
128	Gospel	Gospel
129	Funk 2	Funk2
130	Electric Funk	ElecFunk
131	Groove Funk	GrooveFk
132	Rubber Funk	RubberFk
133	Cool Funky	ColFunky
134	Jazz Funk	JazzFunk
135	Groove	Groove
136	Soul	Soul
137	Hip Hop Soul	HipHopSl
138	Hip Hop Beat	HipHopBt
139	R&B	R&B
140	Soul Beat	SoulBeat
141	R&B Ballad 2	R&BBld2
142	British Soul Pop	BritSoul
SWING & JAZZ		
143	Latin Jazz 1	LatinJz1
144	Big Band 1	BigBand1
145	Dixieland 1	Dixland1
146	Guitar Swing 1	GtSwing1
147	Broadway Big Band	BwayBand
148	Swing	Swing
149	Latin Jazz 2	LatinJz2
150	Fusion	Fusion
151	Acid Jazz	AcidJazz
152	Cool Jazz Ballad	CoolJzBd
153	Swing Shuffle	SwingSfl
154	Big Band Medium	BandMid
155	Dixieland 2	Dixland2
156	Acoustic Jazz	AcoustJz
157	Guitar Swing 2	GtSwing2
158	Ragtime	Ragtime
159	Modern Jazz Ballad	MdJzBald

160	Swing Ballad	SwingBal
161	Orchestra Swing	OrhSwing
COUNTRY		
162	Country Pop 1	CntyPop1
163	Bluegrass 1	Blugras1
164	8Beat Country	8BtCnty
165	Modern Country	ModrCnty
166	Country Pop 2	CntyPop2
167	Bluegrass 2	Blugras2
168	2/4 Country	2/4Cntry
169	Country Quick Steps	QuickStp
170	Country Folk	CntyFolk
171	Country Shuffle	CnyShufl
LATIN & LATIN DANCE		
172	Samba 3	Samba3
173	Bossa Nova	BosaNova
174	Latin	Latin
175	New Reggae	NewReggae
176	Reggae Dance	DanReggae
177	Paso Doble	Pasodobl
178	Lite Bossa	LteBossa
179	Latin Rock	LatinRck
180	Beguine 3	Beguine3
181	Slow Bolero	SIBolero
182	Disco Samba	DscSamba
183	Mambo	Mambo
184	Meneito	Meneito
185	Rumba 2	Rumba2
186	Rumba 3	Rumba3
187	Tikitikita	Tikitkta
188	Lambada	Lambada
189	Pop Cha Cha 1	PChaCha1
190	Pop Cha Cha 2	PChaCha2
191	Salsa 2	Salsa2
WALTZ & TRADITIONAL		
192	Waltz	Waltz
193	Old Waltz	OldWaltz
194	English Waltz	EngWaltz
195	German Waltz	GemWaltz
196	Italian Mazurka	ItaMazuk
197	Mexico Waltz	MexWaltz
198	Vienna Waltz	VinaWltz
199	Slow Waltz 2	SlwWltz2
200	Jazz Waltz	JazzWltz
201	Polka	Polka
202	6/8 March	6/8March
203	German Polka	GemPolka
204	Party Polka	PtyPolka
205	Army March	ArmMarch
206	March	March
207	US March	USMarch
208	Musette	Musette
209	French Musette	FMusette
210	Mazurka	Mazurka
WORLD		
211	Enka Ballad	EnkaBald

Style List

212	Laendler	Laendler
213	Hawaiian	Hawaiian
214	Sirtake	Sirtake
215	Dangdut	Dangdut
216	6/8 Flipper	6/8Flipp
217	New Age	NewAge
218	Tarantella	Tarantel
219	Scottish	Scottish
220	Norteno	Norteno
PIANIST		
221	Pianist 1	Pianist1
222	Pianist 2	Pianist2
223	Pianist 3	Pianist3
224	Jazz 1	Jazz1
225	Jazz 2	Jazz2
226	Jazz Pub	JazzPub
227	Piano Rock	PianoRk
228	Pop Bossa	PopBossa
229	March 1	March1
230	March 2	March2
231	Piano Beat	PianoBt
232	Piano Bar	PianoBar
233	Blues	Blues
234	Pop Waltz	PopWaltz
235	Slow Waltz	SlowWltz
236	Ballad 1	Ballad1
237	Ballad 2	Ballad2
238	6/8 Ballad	6/8Bald
239	Pop 1	Pop1
240	Pop 2	Pop2

Song List

No.	English Name	LCD Name
FOLK & COUNTRY		
1	Toccata	Toccata
2	Carry Me Back To Old Virginny	Virginny
3	El Condor Pasa	EiCondor
4	Five Hundred Miles	500Miles
5	Green Grass Of Home	GreenGrs
6	Greensleeves	Sleeves
7	Home Sweet Home	SwetHome
8	La Mer	LaMer
9	Long Long Ago	LongAgo
10	Massachusetts	Maschuse
11	Moon River	MoonRivr
12	My Darling Clementine	Clemtine
13	Never On Sunday	NeverSun
14	Oh! Carol	Oh!Carol
15	Oh! Susanna	Susanna
16	Turkey in the straw	TukyStaw
17	The Girl From Ipanema	Ipanema
18	Tombe La Neige	LaNeige
19	You Are My Sunshine	Sunshine
20	My old kentucky home	Kentucky
21	Home on the range	HomeRnge
22	Her bright smile haunts me still	HerSmile
23	The blue-bells of scotland	BlueBell
24	Old black joe	BlackJoe
25	Old dog tray	DogTray
26	Moulin rouge	MoulinRg
GOLDEN & POP		
27	A Whiter Shade Of Pale	WhtShade
28	Again	Again
29	Mambo No. 5	MamboNo5
30	Are You Lonesome Tonight?	Lonesome
31	Around The World	AroWorld
32	Auld Lang Syne	LangSyne
33	Ave Maria	AveMaria
34	Beyond The Reef	BeyndRef
35	Blue Tango	BluTango
36	Brazil	Brazil
37	Bridal March	Bridal
38	Can'T Help Fallin' In Love	InLove
39	Chanson Du Toreador	Toreador
40	Danny Boy	DannyBoy
41	Do Re Mi	DoReMi
42	Ebb Tide	EbbTide
43	Fly Me To The Moon	FlyMoon
44	Happy Birthday To You	Birthday
45	Hey Jude	HeyJude
46	How Deep Is Your Love	DeepLove
47	If	If
48	In The Mood	InMood
49	Jingle Bells	JingBell
50	Joy To The World	JoyWorld
51	La Paloma	LaPaloma
52	La Playa	LaPlaya

53	La Reine De Saba	Saba
54	Lara'S Theme From "Doctor Zhivago"	Zhivago
55	Always In My Heart	MyHeart
56	Mambo No. 8	MamboNo8
57	Misty	Misty
58	My Way	MyWay
59	Annie Laurie	AnnieLa
60	One Way Ticket To The Blues	OWTickts
61	Only You	OnlyYou
62	Petite Fleur	Fleur
63	Red River Valley	RedRiver
64	Rhythm Of The Rain	RhymRain
65	Rock Around The Clock	Rock
66	Sail Along Silv'ry Moon	SilyMoon
67	Sealed With A Kiss	Sealed
68	Siboney	Siboney
69	Silent Night	SltNight
70	Speak Softly Love	SoftLove
71	Summertime	Summer
72	Superstar	Superstr
73	Sweet And Gentle	SwetGtle
74	Tennessee Waltz	Tennesse
75	The End Of The World	EndWorld
76	The Sound Of Silence	Silence
77	The Way We Were	TheWay
78	Top Of The World	TopWorld
79	Una Lacrima Sul Viso	Lacrima
80	Unchained Melody	Melody
81	Love Story	LoveStry
82	Words	Words
83	Yesterday	Yestday
84	Yesterday Once More	OnceMore
CLASSICAL		
85	13 Jours En France	13France
86	A Lover'S Concerto	Concerto
87	Air For The G-String	G-String
88	An Der Shonen Blauen Donau	Donau
89	Auf Flugeln Des Gesanges	Gesanges
90	Beautiful Dreamer	Dreamer
91	Dance Des Mirlitons	Mirliton
92	Etude Op. 10 No. 3	Etude3
93	Gavotte	Gavotte
94	Hungarian Dances No. 5	Hungaian
95	Whispering hope	Whisper
96	From The New World	NewWorld
97	Serenata Rimpiant	Serenata
98	Sleepy Lagoon	Lagoon
99	The Skaters Waltze	Skaters
100	O Sole Mio	OSoleMio
101	Waves Of The Danube	Danube
102	Jeanie with the light brown hair	Jeanie
103	Santa Lucia	SantaLuc
104	Solveig's Song	Solveig
105	Piano Sonatan No. 8 In C Minor (Pathetique)	Patheque

Song List

106	Brahms Waltz	BrmsWltz
107	Aida	Aida
108	Carmen-Prelude	Carmen
109	L'Arlesienne	L'Arlesi
110	Ungarische Tanz	Ungaris
111	Mazurka	Mazurka
112	Pizzicato Polka	Polka
113	Menuett	Menuett
114	Rigoletto	Rigoletto
115	Serenade	Serenade
116	Song Without Words	SongNoWd
117	Swan	Swan
118	The Dying Swan	DyingSwn
119	Swan Lake Valse	SwnWalse
120	The Happy Farmer	HpFarmer
121	The Sleeping Beauty	SleepBty
122	La Traviata	LaTravia
123	Wiegenlied	Wiegenli
124	Mov. 2 Adagio Non Troppo Piano Sonata No. 9 In D	Sonata9
125	Piano Sonata No. 11 In A	Sonata11
126	Prelude In C	Prelude
127	Chinese Dance	ChDance
128	Emperor Waltz	Emperor
129	March Militaire	Militair
130	Symphony No. 40	Symphony
PIANO		
131	Hanon Piano Fingering 1	Hanon1
132	Hanon Piano Fingering 2	Hanon2
133	Hanon Piano Fingering 3	Hanon3
134	Hanon Piano Fingering 4	Hanon4
135	Hanon Piano Fingering 5	Hanon5
136	Basic Tutorial Beyer Piano 12	Beyer12
137	Basic Tutorial Beyer Piano 13	Beyer13
138	Basic Tutorial Beyer Piano 14	Beyer14
139	Basic Tutorial Beyer Piano 15	Beyer15
140	Basic Tutorial Beyer Piano 18	Beyer18
141	Cuckoo	Cuckoo
142	Basic Tutorial Beyer Piano 21	Beyer21
143	Basic Tutorial Beyer Piano 29	Beyer29
144	Butterfly	Buterfly
145	Basic Tutorial Beyer Piano 45	Beyer45
146	Christmas Eve	XmasEve
147	Basic Tutorial Beyer Piano 50	Beyer50
148	Basic Tutorial Beyer Piano 52	Beyer52
149	Basic Tutorial Beyer Piano 55	Beyer55
150	Basic Tutorial Beyer Piano 59	Beyer59
151	Beyer Eight Degrees Jump Etude	BeyrJump
152	Basic Tutorial Beyer Piano The Scale Of C Major	BeyerC
153	Basic Tutorial Beyer Piano 65	Beyer65
154	Basic Tutorial Beyer Piano 66	Beter66
155	Old Folks At Home (Piano)	OldFolk2
156	Basic Tutorial Beyer Piano The Scale Of G Major	BeyerG
157	Basic Tutorial Beyer Piano 70	Beyer70
158	Basic Tutorial Beyer Piano 72	Beyer72
159	Basic Tutorial Beyer Piano 73	Beyer73
160	Basic Tutorial Beyer Piano 74	Beyer74

Demo List

No.	English Name	LCD Name
1	Demo	Demo
2	Bossa Nova	BosaNova
3	Fusion	Fusion
4	Jazz	Jazz
5	Funk	Funk
6	Ballad	Ballad
7	Modern R&B	ModrnR&B
8	Electric	Electric

Album List

No.	English Name	LCD Name
1	13 Jours en france	13France
2	A lover's concerto	Concerto
3	A time for us	Timeus
4	A whiter shade of pale	WhtShade
5	Adios	Adios
6	After you've gone	U'veGone
7	Again	Again
8	Agua de beber	AguaBebr
9	Air for the G-string	G-String
10	All alone am I	AloneAml
11	All his children	Children
12	All shook up	ShookUp
13	Aloha oe	AlohaOe
14	Always in my heart	MyHeart
15	Amapola	Amapola
16	Amazing grace	AmzGrace
17	Amor	Amor
18	An der shonen blauen donau	Donau
19	Anastasia	Anastasi
20	Angel	Angel
21	Angustia	Angustia
22	Annie laurie	AnnieLa
23	Are you lonesome tonight?	Lonesome
24	Arirang	Arirang
25	Around the world	AroWorld
26	Auf flugeln des gesanges	Gesanges
27	Auld lang syne	LangSyne
28	Ave maria	AveMaria
29	Bad moon rising	BadMoon
30	Battle hymne of the republic	BatlHyme
31	Beautiful dreamer	Dreamer
32	Besame mucho	Besame
33	Beyond the reef	BeyndRef
34	Bibbidi bobbidi boo	Bibbidi
35	Bittersweet samba	Bitsweet
36	Blue christmas	BlueXmas
37	Blue tango	BluTango
38	Blueberry hill	Bluberry
39	Born free	BornFree
40	Brazil	Brazil
41	Breaking up is hard to do	BreakUp
42	Bridal march	Bridal
43	Bridge over troubled water	Bridge
44	Bus stop	BusStop
45	Buttons and bows	BottnBow
46	Cachito	Cachito
47	Canadian sunset	CaSunset
48	Can't help fallin' in love	InLove
49	Carry me back to old virginny	Virginny
50	Chanson D'amour	Chanson
51	Chanson du toreador	Toreador
52	Charade	Charade
53	Chattanooga shoe shine boy	ShoeBoy
54	Clelito lindo	CleLindo
55	Close to you	CloseYou

56	Constantly	Constant
57	Cryin' in the chapel	CryChapl
58	Dance des mirlitons	Mirliton
59	Danny boy	DannyBoy
60	Dark eyes	DarkEyes
61	Diana	Diana
62	Die lorelei	Lorelei
63	Do re mi	DoReMi
64	Dominique	Dominiqu
65	Dream	Dream
66	Dream tango	DremTngo
67	Ebb tide	EbbTide
68	Edelweiss	Edelweis
69	El bimbo	ElBimbo
70	El condor pasa	ElCondor
71	Eso es el amor	EsAmor
72	Esperanza	Esperanz
73	Etude op.10 no.3	Etude3
74	Fascination	Fascina
75	Feelings	Feelings
76	Five hundred miles	500Miles
77	Five minutes more	FiveMore
78	Fly me to the moon	FlyMoon
79	For ever we konw	WeKnow
80	For the good times	GoodTime
81	Frohlicher landmann	Landmann
82	Fruhlingsstimmen	Fruhling
83	Gavotte	Gavotte
84	Green fields	Fields
85	Green grass of home	GreenGrs
86	Greensleeves	Sleeves
87	Gwine to run all night	Gwine
88	Gypsy moon	GypsMoom
89	Happy birthday to you	Birthday
90	Harbour light	Harbour
91	Harlem nocturne	Harlem
92	Hasta manana	HasMana
93	Heidenroslein	Heidenro
94	Her bright smile haunts me still	HerSmile
95	Hernando's hideaway	Hideaway
96	Hey jude	HeyJude
97	Historia de un amor	Historia
98	Home on the range	HomeRnge
99	Home sweet home	SwetHome
100	Hound dog	HoundDog
101	How deep is your love	DeepLove
102	Hungarian dances no.5	Hungaian
103	Hurry sundown	Sundown
104	Hymne a l'amour	L'amour
105	I don't hurt any more	HurtMore
106	I kiss your little hand madame	kissyour
107	I love you much too much	LoveYou
108	I need you now	INeedYou
109	I really don't want to know	DontKnow
110	I went to your wedding	UrWeding
111	If	If

Album List

112	If I can dream	IfDream	168	Mr.lonely	MrLonely
113	If I give my heart to you	HeartYou	169	My bonnie	MyBonnie
114	In the mood	InMood	170	My darling clementine	ClemTine
115	It's almost tomorrow	Tomorrow	171	My old kentucky home	Kentucky
116	It's been a long long time	LongTime	172	My shawl	MyShawl
117	Jambalaya	Jambalay	173	My way	MyWay
118	Jazz'n' samba	JazSamba	174	Nature boy	NaturBoy
119	Jeanie with the light brown hair	Jeanie	175	Never on sunday	NeverSun
120	Jingle bells	JingBell	176	New world	NewWorld
121	Johnny B. Goode	B.Goode	177	Night fall	NigtFall
122	Joy to the world	JoyWorld	178	Nobody knows the trouble I've seen	Nobody
123	Jungle drums	JungleDm	179	Noche de tokyo	Tokyo
124	Kaiser walzer	Kaiser	180	Nocturne	Nocturne
125	Keep searchin'	Searchin	181	O sole mio	OSoleMio
126	Killing me softly with his song	HisSong	182	Oh bury me not on the lone prairie	Prairie
127	Kiss	Kiss	183	Oh! Carol	Oh!Carol
128	Kiss of fire	KissFire	184	Oh! Susanna	Susanna
129	La chanson D'orphee	D'Orphee	185	Oh! what a beautiful morning	OMorning
130	La contessa scalza	Scalza	186	Old black joe	BlackJoe
131	La cucaracha	Cucarach	187	Old dog tray	DogTray
132	La donne mobile	DoneMble	188	Old folks at home	OldFolks
133	La mer	LaMer	189	On a little bamboo bridge	BambooBg
134	La novia	LaNovia	190	On a tropic night	TrpicNgt
135	La paloma	LaPaloma	191	On london bridge	OnBridge
136	La playa	LaPlaya	192	On the beach at bali-bali	BaliBali
137	La ragazza di bube	Bube	193	One way ticket to the blues	OWTickts
138	La reine de saba	Saba	194	Only you	OnlyYou
139	L'amour est blue	L'amour	195	Over the rainbow	Rainbow
140	Lara's theme from "Doctor zhivago"	Zhivago	196	Over the waves	OverWave
141	Last waltz	LastWltz	197	Par un beau matin d'ete	BeauMatn
142	Les feuilles mortes	Feuilles	198	Patricia	Patricia
143	Let's get together	Together	199	Penelope	Penelope
144	Little brown jug	BrownJug	200	Perfidia	Perfidia
145	Long long ago	LongAgo	201	Petite fleur	Fleur
146	Love is a many-splendored thing	SplndLov	202	Piacer d'amor	Piacer
147	Love me with all your heart	AllHeart	203	Pizzicato polka	PizzPoka
148	Love story	LovStory	204	Pretend	Pretend
149	Lullaby of birdland	Birdland	205	Proud mary	ProdMary
150	Mama inez	Mamalnez	206	Quien sera	QuieSera
151	Mambo No. 5	MamboNo5	207	Quizas Quizas Quizas	Quizas
152	Mambo No. 8	MamboNo8	208	Raindrops keep fallin' on my head	Raindrop
153	March militaire	Militair	209	Ramona	Ramona
154	Maria elena	MriaElna	210	Red river valley	RedRiver
155	Maria my own	Maria	211	Rhythm of the rain	RhymRain
156	Massachusetts	Maschuse	212	Rock around the clock	Rock
157	Menuet	Menuet	213	Romance de l'amour	Romance
158	Miami beach rumba	MamiRmba	214	Royal garden blues	RoyalBlu
159	Misty	Misty	215	Sail along silv'ry moon	SilyMoon
160	Mockin'bird hill	BirdHill	216	Sailing	Sailing
161	Moliendo Coffee	Coffee	217	San Francisco	Francico
162	Moody river	ModyRivr	218	Sans toi mamie	ToiMami
163	Moon river	MoonRivr	219	Santa claus is comin' to town	SantClau
164	Moonlight serenade	Moonligt	220	Santa lucia	SantaLuc
165	More	More	221	Scarborough fair	Scarboro
166	Moscow nights	Moscow	222	Sealed with a kiss	Sealed
167	Moulin rouge	MoulinRg	223	Sentimental journey	Journey

Album List

224	Serenade	Serenade
225	Serenata rimpiant	Serenata
226	Siboney	Siboney
227	Silent night	SltNight
228	Singin' in the rain	SingRain
229	Sleepy Lagoon	Lagoon
230	Sloop John B	JohnB
231	Smoke gets in your eyes	SmokeEye
232	So nice	SoNice
233	Solamente una ves	Salament
234	Somebody bad stole de wedding bell	StoleBel
235	Songs of spring	SngSprig
236	Speak softly love	SoftLove
237	ST. Louis blues	ST.Louis
238	Stranger in paradise	Paradise
239	Strangers in the night	Stranger
240	Summer holiday	Holiday
241	Summertime	Summer
242	Summertime in venice	Venice
243	Sunrise sunset	Sunrise
244	Superstar	Superstr
245	Sweet and gentle	SwetGtle
246	Taboo	Taboo
247	Take me home country roads	CntyRoad
248	Tales of hoffman	Hoffman
249	Tammy	Tammy
250	Tango nocturno	TangoNot
251	Tennessee waltz	Tennesse
252	The blue-bells of scotland	BlueBell
253	The breeze and I	Breeze&I
254	The dying swan	DyingSwn
255	The end of the world	EndWorld
256	The exodus song	Exodus
257	The eyes of love	EyesLove
258	The girl from ipanema	Ipanema
259	The great pretender	Pretend
260	The house of the rising sun	RiseSun
261	The impossible dream	ImDream
262	The loco-motion	TheLoco
263	The longest day	Longest
264	The peanut vendor	Vendor
265	The river of no return	NoReturn
266	The shadow of your smile	UrSmile
267	The skaters waltz	Skaters
268	The sound of silence	Silence
269	The wabash cannon ball	CannBall
270	The way we were	TheWay
271	This land is your land	YourLand
272	Those were the days	TheDays
273	Three coins in the fountain	Fountain
274	Tico-tico	TicoTico
275	Tie a yellow ribbon'round the ole oak tree	YeRibbon
276	To love again	LovAgain
277	Toccata	Toccata
278	Tom dooley	TomDoley
279	Tombe la neige	LaNeige

280	Top of the world	TopWorld
281	Toy symphony	ToySymph
282	Traumerei	Traumere
283	Triumphal march	Trimphal
284	Tu ne sais pas aimer	TuAimer
285	Turkey in the straw	TukyStaw
286	Un buco nella sabbia	Sabbia
287	Una lacrima sul viso	Lacrima
288	Unchained melody	Melody
289	Valse des fleurs	Fleurs
290	Vaya con dios	VayaDios
291	Venus	Venus
292	Washington square	Washnton
293	Waves of the danube	Danube
294	Wedding march	Wedding
295	When you and I were young maggie	YoungMag
296	Where the boys are	WhereBoy
297	Whispering hope	Whisper
298	Wiegenlied	Wieglied
299	Wiegenlied 2	Wieglied2
300	Without you	WithoutU
301	Wonderland by night	WonNight
302	Words	Words
303	Y.M.C.A.	Y.M.C.A.
304	Yellow rose of texas	YellRose
305	Yesterday	Yestday
306	Yesterday once more	OnceMore
307	You always hurt the one you love	HurtLove
308	You are my sunshine	Sunshine
309	You mean everything to me	MeanToMe
310	Your love is mine	LoveMine

MIDI Implementation Chart

Function	Transmitted	Recognized	Remarks
Basic Default	1ch	1-16ch	
Channel Changed	1-16ch	1-16ch	
Mode Default	x	3	
Mode Messages	x	x	
Mode Altered	*****	x	
Note Note	0—127	0—127	
Number :True voice	*****	0—127	
Velocity Note on	o 9nH,V=1-127	o 9nH,V=1-127	
Note off	x (9nH,V=0)	o(9nH,V=0; 8nH,V=0-127)	
After key's	x	x	
Touch Ch's	x	x	
Pitch Bend	x	o	
Control 0	o	o	Bank Select
Change 1	o	o	Modulation
5	x	o	Portamento Time
6	o	o	Data Entry
7	o	o	Volume
10	x	o	Pan
11	x	o	Expression
64	o	o	Sustain Pedal
65	x	o	Portamento ON/OFF
66	o	o	Sostenuto Pedal
67	o	o	Soft Pedal
80	x	o	Reverb Program
81	x	o	Chorus Program
91	o	o	Reverb Level
93	o	o	Chorus Level
120	o	o	All Sound Off
121	x	x	Reset All Controllers
123	o	o	All Notes Off
Program Change :true	*****	0—127	
System Exclusive	x	o	
System :SongPosition	x	x	
Common :Song Select	x	x	
:Tune	x	x	
System :Clock	o	x	
Real Time :Commands	x *1	x	
Aux :LOCAL ON/OFF	x	x	
Messages :Active sense	x	o	
:Reset	x	x	
Notes: *1 When the accompaniment is started, an FAH message is transmitted. When accompaniment is stopped, an FCH message is transmitted.			

- Mode 1: OMNI ON, POLY
- Mode 2: OMNI ON MONO

- Mode 3: OMNI OFF, POLY
- Mode 4: OMNI OFF, MONO

- x: NO
- o: YES

