



PX-1

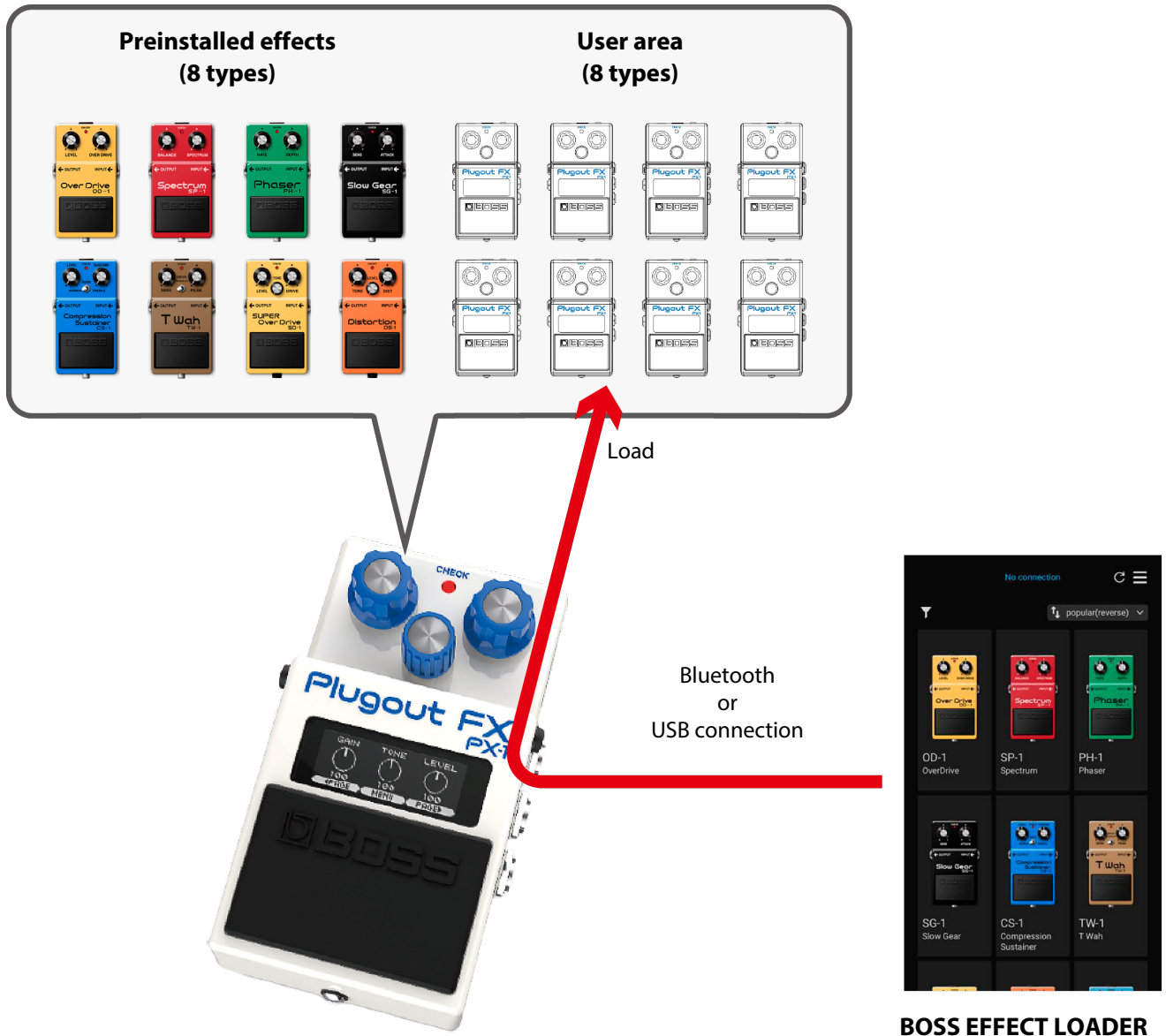
Owner's Manual

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Introduction

The PX-1 is a compact effect unit, with which you can load and use the effects you like from a large assortment of effects. Use the BOSS EFFECT LOADER app (iOS/Android version) via Bluetooth wireless connection or a USB connection to load these effects into the PX-1. Effects are added to Roland Cloud on an ongoing basis.



NOTE

The number of effects you can save on the PX-1 may vary, based on the storage size used by the effects that are already stored on this device.

Getting ready

Registering this product and creating a Roland account

- 1 **Scan the QR Code on the card that's included with this product, or access the website shown below.**

www.boss.info/start



- 2 **Create your Roland account.**

You must have a Roland account to register this product. If you already have an account, log in and register the product.

Tap the "New to Roland?" tab, and input your e-mail address to create your account.

MEMO

If you've already registered this product or created a Roland account, you don't need to do this.

* QR Code is a registered trademark of DENSO WAVE INCORPORATED in Japan and in other countries.

Installing the BOSS EFFECT LOADER app on your smartphone

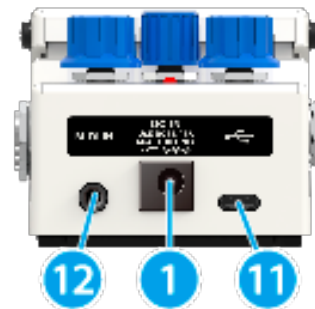
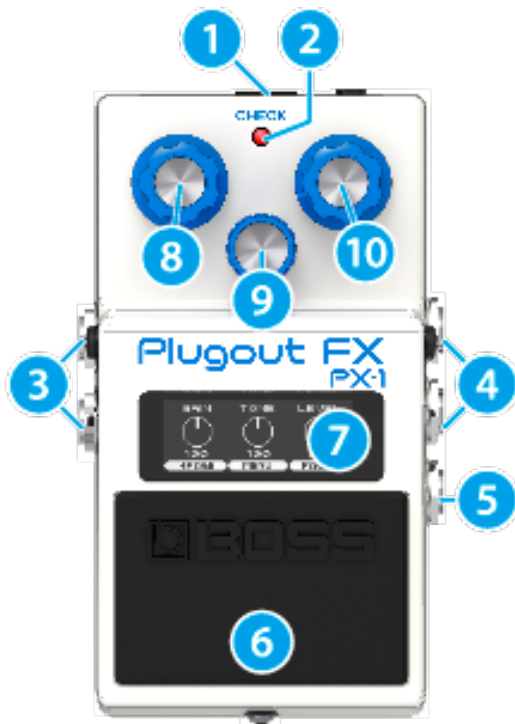
You must install the BOSS EFFECT LOADER app if you want to load effects into the PX-1.

Use your smartphone to access the following website and install the BOSS EFFECT LOADER app.

https://roland.cm/px-1_app



Panel descriptions



Number	Name	Explanation
1	DC IN jack	Connect the included AC adaptor to this jack. The unit turns on when you plug the connected AC adaptor into an AC outlet. * Use only the supplied AC adaptor and the correct voltage. * This unit cannot be used on battery power.
2	CHECK indicator	This indicator shows whether the effect is on or off.
3	OUTPUT A (MONO) jack OUTPUT B jack	Connect these jacks to your amp or monitor speakers. These OUTPUT jacks support stereo output. If you're using this unit in mono, connect only the A (MONO) jack. * If you're using a stereo setup, use the OUTPUT A (MONO) and OUTPUT B jacks. * When you connect to both the OUTPUT A (MONO) and OUTPUT B jacks, an effect is produced according to the OUTPUT MODE settings.
4	INPUT A (MONO) jack INPUT B jack	Connect your guitar or effect unit here. These INPUT jacks support stereo input. Use a 1/4" phone type (TS) to 1/4" phone type (TS) cable to connect to this jack.

Panel descriptions

Number	Name	Explanation
5	CTL1,2/EXP jack 	Using the jack as a CTL jack Connect a footswitch (FS-5U, FS-6, FS-7; sold separately) to control the functions (“Connecting an external pedal (p. 15)”). For more about the footswitch settings, refer to “Configuring the loaded effect (what the controls do on each screen) (p. 10)”. Using the jack as an EXP jack Connect an expression pedal (EV-30, Roland EV-5, etc.; sold separately) to continuously change the effect settings for the expression pedal’s pushed-up (horizontal) position and for the pushed-down (slanted) position (“Connecting an external pedal (p. 15)”). For more on function settings, refer to “Configuring the loaded effect (what the controls do on each screen) (p. 10)”. * Use only the specified expression pedal. Connecting any other expression pedals may cause the unit to malfunction or become damaged.
6	Pedal switch	Switches the effect on/off and controls the various functions.
7	Display	Shows the setting values and other information.
8	Left knob	Turn the knob to set the value  Press the knob to execute Turning the knob: Adjusts the parameters shown on the left side of the display. * To change a value in larger steps, turn a knob while pressing it. Pressing the knob: Switches the screen (page) shown in the display, one position to the left.
9	Center knob	Turn the knob to set the value  Press the knob to execute Turning the knob: Adjusts the parameter shown at the center of the display. * To change a value in larger steps, turn a knob while pressing it. Pressing the knob: Switches to the menu screen.

Number	Name	Explanation
10	Right knob	Turn the knob to set the value  Press the knob to execute Turning the knob: Adjusts the parameter shown to the right of the display. * To change a value in larger steps, turn a knob while pressing it. Pressing the knob: Switches the screen (page) shown in the display, one position to the right.
11	USB port (USB Type-C®)	To update the unit or directly access it using the BOSS EFFECT LOADER app, connect a commercially available USB cable (Type-A to Type-C, or Type-C to Type-C). * Do not use a USB cable that is designed only for charging. Charge-only cables cannot transmit data. This unit supports USB bus power. * A commercially available USB AC adaptor (5 V/0.5 A or greater) is required to power this unit via the USB port. Some USB AC adaptors may not work with this instrument, depending on the manufacturer and type.
12	MIDI IN jack	Receives timing clocks from external devices. Normally, this unit synchronizes to the internal tempo. However, if a MIDI clock is input via the MIDI IN jack, the tempo synchronizes to that MIDI clock. In this case, you can't use tap tempo to set the tempo. * Use a TRS/MIDI connecting cable (BMIDI or BCC series, sold separately) to connect an external MIDI device. * Do not use these connectors for connecting to audio devices. Doing so may cause a malfunction.

* To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.

* Do not use connection cables that contain a built-in resistor.

Turning the power on/off

- * Once everything is properly connected, be sure to follow the procedure below to turn on their power. If you turn on equipment in the wrong order, you risk causing malfunction or equipment failure.
- * Before turning the unit on/off, turn down the volume on peripheral devices such as amplifiers. Even with the volume turned down, you might hear some sound when switching the unit on/off. However, this is normal and does not indicate a malfunction.

Turning the power on

1 Connect the included adaptor to the DC IN jack.

This turns on the PX-1.

The unit turns on with the effect off (the indicator is unlit).

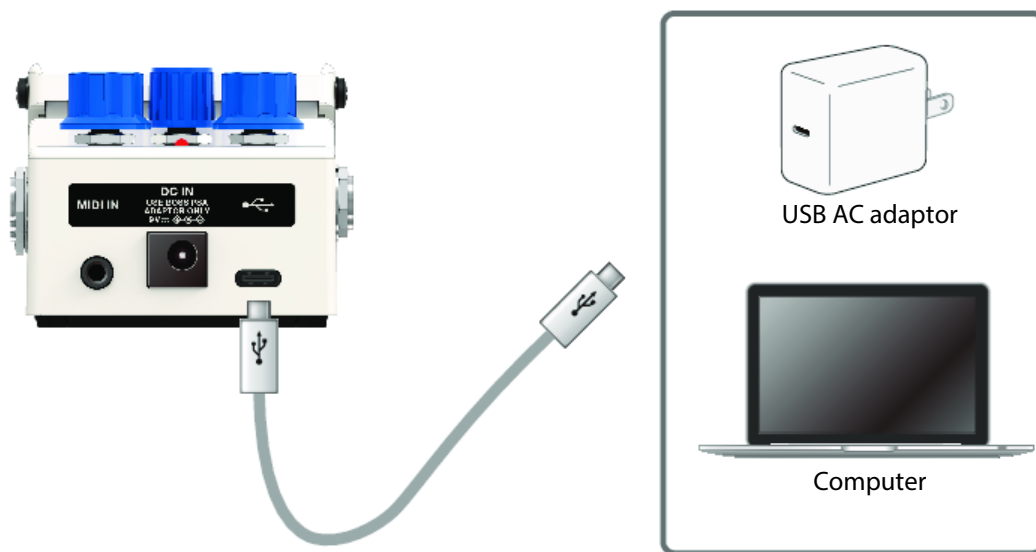
2 Turn on your amp or other audio equipment.

Supplying power via the USB port (USB Type-C®)

This unit can be powered via USB.

The following USB power sources can be used.

- USB AC adaptor (at least 5 V/0.5 A)
 - You may be able to use the USB AC adaptor included with your smartphone or similar device.
- USB bus power (computer, etc.)
- Mobile battery



NOTE

Some USB AC adaptors, computers or mobile batteries may not work with this unit.

Turning the power off

1 Turn off your amp or other audio equipment.

2 Remove the adaptor and the plug from the DC IN jack and the USB port.

This turns off the PX-1.

Playing with this unit

Loading an effect into the PX-1

Connecting the PX-1 to the BOSS EFFECT LOADER app via Bluetooth

- 1 **Turn on the PX-1.**
- 2 **Press the center knob on the PX-1.**

The MENU (SELECT EFFECT) screen appears.



- 3 **Press the right knob.**

The MENU (BLUETOOTH) screen appears.



- 4 **If necessary, turn the center knob on the PX-1 to set the Bluetooth ID.**



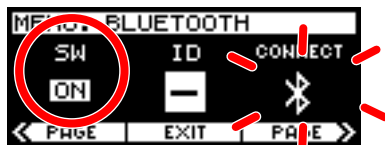
MEMO

If you're using more than one PX-1, you can make the unit easier to identify by turning the center knob and changing the BLUETOOTH ID.

- 5 **Turn the left knob on the PX-1 to turn the SW on.**

The unit enters connection standby mode (the icon below CONNECT blinks).

Connection standby mode remains active for one minute, and is canceled after that time. Once canceled, you must enter connection standby mode again if you want to connect to the app.



- 6 **Launch the BOSS EFFECT LOADER app and log in.**

The BLUETOOTH SETUP screen appears.

MEMO

The BLUETOOTH SETUP screen might not appear, depending on the settings. If the BLUETOOTH SETUP screen does not appear, connect from MY DEVICE in SYSTEM.

- 7 **Connect the PX-1 from the BOSS EFFECT LOADER app.**

The connection is established when the PX-1 appears at the top of the screen.

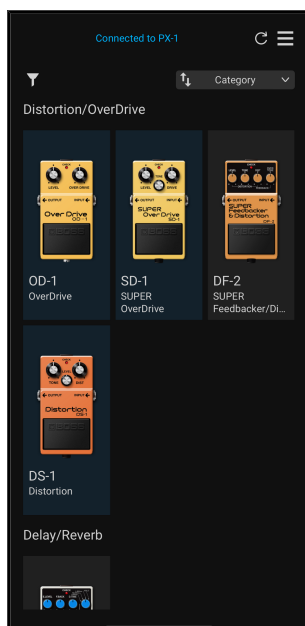
MEMO

If more than one unit is detected, a list of devices is shown. Tap the device to which you want to connect.

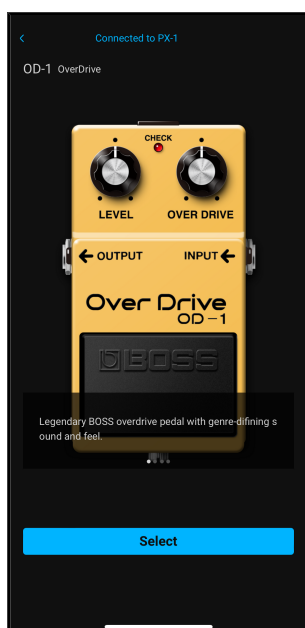
Playing with this unit

Loading to and selecting with the PX-1

- 1 Tap the effect that you want to load or select.



- 2 Tap "Install" or "Select".



Never turn off the power before the loading is complete.

- 3 Once the data is loaded, press the center knob on the PX-1.

Bluetooth connection is automatically disconnected, and the screen returns to normal.

Configuring the loaded effect (what the controls do on each screen)

Model name screen

This screen shows the model name of the effect that is selected.



Operation	Left knob	Center knob	Right knob
Turn	–	–	–
Press	–	–	PAGE: Switches to the next page.

Effect parameter screen

This screen shows the parameters of the effect that is selected.

For effects that have many parameters, press the right knob to switch to the next page and adjust the parameters there.



Operation	Left knob	Center knob	Right knob
Turn	Adjusts the parameter's value.	–	Adjusts the parameter's value.
Press	PAGE: Switches to the previous page.	MENU: Shows the menu screen.	PAGE: Switches to the next page.

CTL1 settings screen

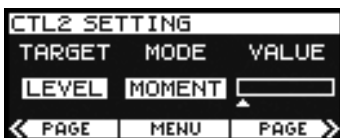
This screen is for configuring what the switch connected to CTL1 does.



Operation	Left knob	Center knob	Right knob
Turn	TARGET: Selects the parameter you want to operate. * If CTL1 is selected for SWAP FUNCTION, SWAP is shown.	MODE: Sets either TOGGLE or MOMENT. The effect toggles between on and off with each press of the pedal (TOGGLE). The effect turns on only while the pedal is pressed (MOMENT).	VALUE: Sets the value of the parameter selected in TARGET. When you operate CTL1, the value set on the effect parameter screen changes to the value set here.
Press	PAGE: Switches to the previous page.	MENU: Shows the menu screen.	PAGE: Switches to the next page.

CTL2 settings screen

This screen is for configuring what the switch connected to CTL2 does.



Operation	Left knob	Center knob	Right knob
Turn	TARGET: Selects the parameter you want to operate. * If CTL2 is selected for SWAP FUNCTION, SWAP is shown.	MODE: Sets either TOGGLE or MOMENT. The effect toggles between on and off with each press of the pedal (TOGGLE). The effect turns on only while the pedal is pressed (MOMENT).	VALUE: Sets the value of the parameter selected in TARGET. When you operate CTL2, the value set on the effect parameter screen changes to the value set here.
Press	PAGE: Switches to the previous page.	MENU: Shows the menu screen.	PAGE: Switches to the next page.

Playing with this unit

EXP settings screen

Specifies what the expression pedal connected to the EXP jack does.



Operation	Left knob	Center knob	Right knob
Turn	TARGET: Selects the parameter you want to operate.	MIN: Selects the value used when you push the expression pedal all the way down with your heel.	MAX: Selects the value used when you push the expression pedal all the way up with your toes.
Press	PAGE: Switches to the previous page.	MENU: Shows the menu screen.	PAGE: Switches to the next page.

PEDAL SETTING screen

Specifies what happens when you press the pedal on the PX-1.



Operation	Left knob	Center knob	Right knob
Turn	PDL MODE: Selects either TOGGLE or MOMENT.	ACTION: Selects the pedal operation according to the PDL MODE setting.	–
Press	PAGE: Switches to the previous page.	MENU: Shows the menu screen.	–

Explanations of other functions (MENU screen)

SELECT EFFECT

On this screen, you can switch between the eight effects that are preinstalled on this unit and up to eight effects that you've loaded.



Operation	Left knob	Center knob	Right knob
Turn	Selects the effect.	Selects the effect.	Selects the effect.
Press	–	EXIT: Exits the menu screen.	Confirms the effect. PAGE: Switches to the next page.

BLUETOOTH

This screen is used when connecting to the BOSS EFFECT LOADER app via Bluetooth.



Operation	Left knob	Center knob	Right knob
Turn	Turns Bluetooth ON/OFF.	Changes the BLUETOOTH ID.	–
Press	PAGE: Switches to the previous page.	EXIT: Exits the menu screen.	PAGE: Switches to the next page.

SWAP FUNCTION

SWAP FUNCTION lets you set SIDE A and SIDE B for an effect that's installed on the PX-1, and use an external pedal (CTL1, CTL2) to swap.



Operation	Left knob	Center knob	Right knob
Turn	Selects the controller that controls SWAP FUNCTION. When set to "OFF", this function is disabled. When set to "CTL1" or "CTL2", the CTL1 FUNC and CTL2 FUNC for the effect are disabled.	Selects the SIDE A effect.	Selects the SIDE B effect.
Press	PAGE: Switches to the previous page.	EXIT: Exits the menu screen.	PAGE: Switches to the next page.

WEB MANUAL

This screen shows the QR Code to access the download page for the Owner's Manual.

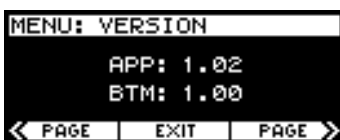
* QR Code is a registered trademark of DENSO WAVE INCORPORATED in Japan and in other countries.



Operation	Left knob	Center knob	Right knob
Turn	–	–	–
Press	PAGE: Switches to the previous page.	EXIT: Exits the menu screen.	PAGE: Switches to the next page.

VERSION

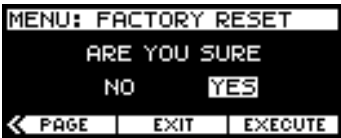
Shows the version of this unit and the Bluetooth module.



Operation	Left knob	Center knob	Right knob
Turn	–	–	–
Press	PAGE: Switches to the previous page.	EXIT: Exits the menu screen.	PAGE: Switches to the next page.

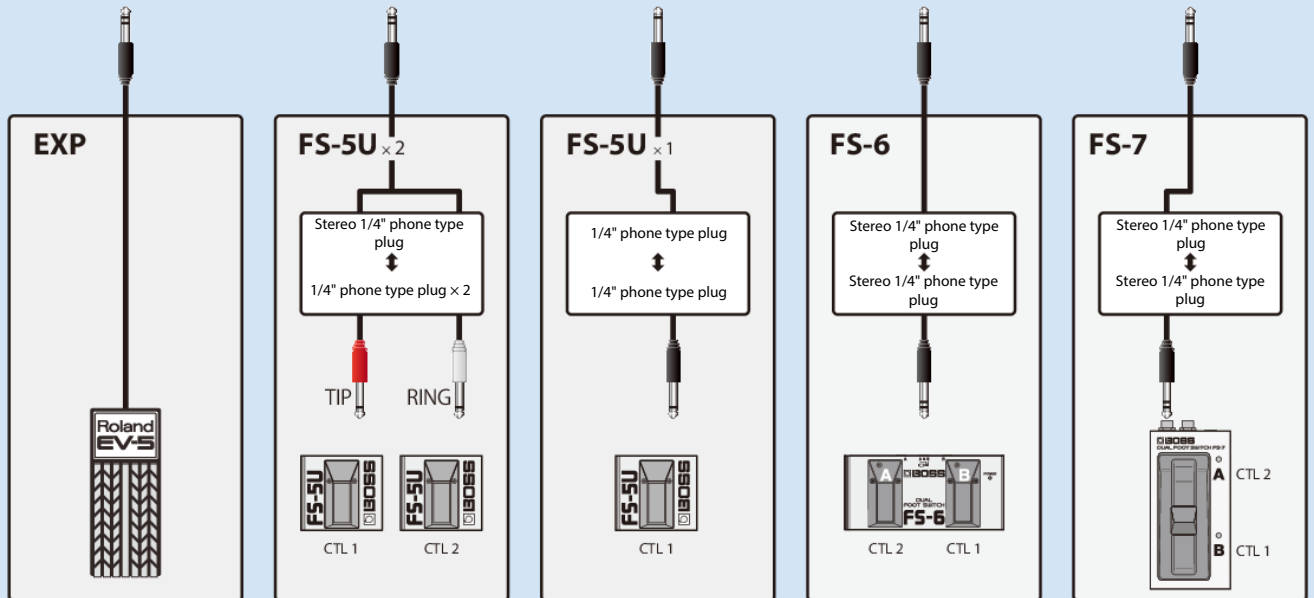
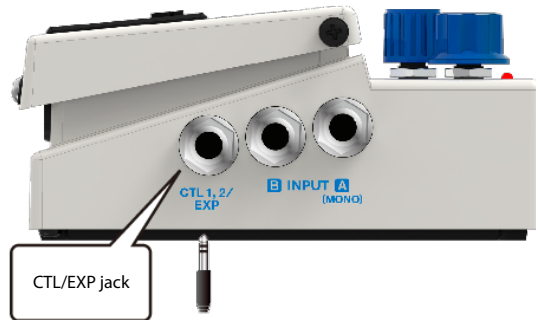
FACTORY RESET

This screen is used when performing a factory reset.

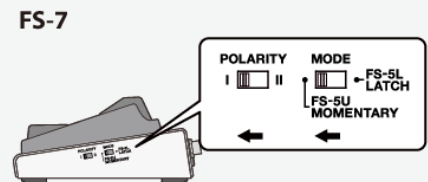
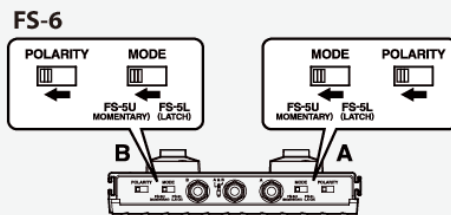
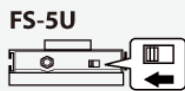


Operation	Left knob	Center knob	Right knob
Turn	Selects YES/NO.	Selects YES/NO.	Selects YES/NO.
Press	PAGE: Switches to the previous page.	EXIT: Exits the menu screen.	EXECUTE: Executes the factory reset. → “Restoring the factory settings (factory reset) (p. 16)”

Connecting an external pedal



Mode/polarity switches



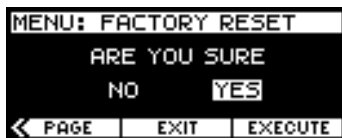
Restoring the factory settings (factory reset)

1 Press the center knob.

The menu screen appears.



2 Press the right knob to access the FACTORY RESET screen.



3 Turn the right knob to move the cursor to "YES".

4 Press the right knob.

This executes the factory reset.

* Do not turn off the power until the factory reset is finished.

NOTE

- When you perform a factory reset, all effects are deleted except for the eight preinstalled effects. Use the BOSS EFFECT LOADER app when you want to individually delete an effect.
- When performing a factory reset, set the SW on the MENU: BLUETOOTH page to "OFF".
→ ["BLUETOOTH \(p. 12\)"](#)

Welcome to the world of Roland Cloud!

Roland Cloud is a cloud-based platform that offers high-quality plug-in sound engines and software for music production. Enter the activation key that's included with the PX-1 to get your six-month Ultimate membership.

Registering this product and creating a Roland account

- 1 **Scan the QR Code on the card that's included with this product, or access the website shown below.**

www.boss.info/start



- 2 **Create your Roland account.**

You must have a Roland account to register this product. If you already have an account, log in and register the product. Tap the "New to Roland?" tab, and input your e-mail address to create your account.

MEMO

If you've already registered this product or created a Roland account, you don't need to do this.

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Inputting the activation key

With a valid Ultimate membership, you have access to all of the contents, including high-quality plug-in sound modules, software and more for music production.

- 1 **Access the following website to enter your activation key.**

<https://www.roland.com/cloud/key#key>



- 2 **Log in to your Roland account.**
- 3 **Input and submit the key listed on the included activation card.**

Once the key is sent, your six-month Ultimate membership is valid.

Installing Roland Cloud Manager

- 1 **Download Roland Cloud Manager from Roland Cloud website to your computer.**

Download the Roland Cloud Manager installer from the website shown below.

<https://roland.cm/RolandCloudManager>

- 2 **Double-click the installer you downloaded to begin the installation.**

Follow the onscreen instructions to install.

- 3 **When you see the message "Installation has been completed", click the [Close] button.**

Welcome to the world of Roland Cloud!

4 Launch the Roland Cloud Manager that you've installed, and log in.

See the respective manuals for how to use the various contents.

Effect algorithms

OD-1

The OD-1 invented the now ubiquitous “overdrive” category in stompbox effects. Designed with an asymmetrical clipping circuit that reproduces the pleasing sound of a driven tube amp, this yellow classic dishes up warm, fat tones rich with even-order harmonics.



Page	Parameter	Setting range	Explanation
1	LEVEL	0–100	Adjusts the volume when the effect is used.
	OVER DRIVE	0–100	Adjusts how much overdrive (distortion) is applied.
	–	–	–
2	CTL1 TARGET	OFF, LEVEL, OVER DRIVE	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, LEVEL, OVER DRIVE	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, LEVEL, OVER DRIVE	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
	–	–	–

SP-1

This unique and rare BOSS effect boosts a single frequency band determined by the Spectrum control. It makes anything you process stand out, from guitars and basses to synths and vocals. The SP-1 can also be used to add a distinctive character to drive effects.



Page	Parameter	Value	Explanation
1	BALANCE	0–100	Adjusts the amount of boost of the frequency that's set with the knob on the right.
	SPECTRUM	0–100	Adjusts the frequency to emphasize. Turn the knob clockwise to raise the frequency, and counterclockwise to lower the frequency. This produces continuously variable change within the 500 Hz–5 kHz frequency range.
	–	–	–
2	CTL1 TARGET	OFF, BALANCE, SPECTRUM	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, BALANCE, SPECTRUM	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, BALANCE, SPECTRUM	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
	–	–	–

PH-1

The PH-1 produces a mild phaser sound with a full low-end response. Skillful engineering allows you to dial in a range of musical tones with a simple two-knob interface.



Page	Parameter	Value	Explanation
1	RATE	0–100, BPM	Adjusts how fast the phaser changes. * When this is set to “BPM”, you can check the tempo by watching the CHECK indicator blink, or by checking the BPM parameter.
	BPM	40–250	You can only adjust the tempo if “BPM” is selected for RATE. * If the tempo data is being received via the MIDI IN jack, you cannot adjust the tempo using the PX-1.
	DEPTH	0–100	Adjusts the depth of the phaser.
2	CTL1 TARGET	OFF, RATE, DEPTH, TAP	Selects the parameter to control from a footswitch connected to CTL1. * If the tempo data is being received via the MIDI IN jack, you cannot adjust the tempo using tap operations.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.
3	CTL2 TARGET	OFF, RATE, DEPTH, TAP	Selects the parameter to control from a footswitch connected to CTL2. * Tap operations are disabled when there is an external MIDI input.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to “TAP”.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to “TAP”.
4	EXP TARGET	OFF, RATE, DEPTH	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to “TOGGLE”, you can long-press the pedal switch to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
	–	–	–

SG-1

This well-loved BOSS original reshapes the note attack to create violin-like swell tones. The SG-1 is particularly effective when crafting ambient sounds with delays and reverbs.



Page	Parameter	Value	Explanation
1	SENS	0–100	Adjusts the sensitivity. When the sensitivity is lowered, a violin-like effect can be heard only when you pick harder, while no effect is obtained when you pick softer. When the sensitivity is raised, the violin-like effect can be heard regardless of your picking strength.
	ATTACK	0–100	Adjusts the time needed for the volume to reach its maximum from the moment you begin picking.
	–	–	–
2	CTL1 TARGET	OFF, SENS, ATTACK	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, SENS, ATTACK	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, SENS, ATTACK	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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CS-1

The first BOSS compressor pedal has a distinctly different circuit than the later CS-2 and CS-3 models. It features an optical design with a photocoupler, which offers a slower attack with a unique character.



Page	Parameter	Value	Explanation
1	LEVEL	0–100	Adjusts the volume of the effect sound.
	MODE	NORMAL, TREBLE	Switches the sustain mode. The NORMAL setting produces a long sustain with low noise. This is the usual setting. The TREBLE setting emphasizes the high-end sustain.
	SUSTAIN	0–100	Adjusts the sustain time (how long the sound rings out). Turn the knob clockwise for a longer sustain time. Turn the knob counterclockwise for a limiter effect, which keeps loud input signals down.
2	CTL1 TARGET	OFF, LEVEL, (MODE), SUSTAIN	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100, (NORMAL, TREBLE)	Sets the value for the parameter that's controlled from a footswitch connected to CTL1. * The setting range is NORMAL, TREBLE only when you select "MODE" for CTL1 TARGET.
3	CTL2 TARGET	OFF, LEVEL, (MODE), SUSTAIN	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100, (NORMAL, TREBLE)	Selects the value for the parameter that's controlled from a footswitch connected to CTL2. * The setting range is NORMAL, TREBLE only when you select "MODE" for CTL2 TARGET.
4	EXP TARGET	OFF, LEVEL, SUSTAIN	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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TW-1

The TW-1 provides a classic wah effect that's controlled by the input signal level. Two controls adjust the sensitivity and depth of the input filter.



Page	Parameter	Value	Explanation
1	SENS	0–100	Adjusts the intensity of the wah effect in respect to the input level. Turn this clockwise to make the wah sound apply more strongly even when you pick softly. * The guitar volume changes according to the pickup sound, not only with the volume control. Adjust this to the optimum value according to your guitar and playing style.
	DRIVE	DOWN, UP	Switches between different methods of tonal change. The UP setting produces a wah effect when the filter opens in an upward frequency direction. The DOWN setting produces a wah effect when the filter opens in a downward frequency direction.
	PEAK	0–100	Adjusts the sound of the wah effect. Turn the knob clockwise for a deeper effect, and counterclockwise for a shallower effect.
2	CTL1 TARGET	OFF, SENS, (DRIVE), PEAK	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100, (DOWN, UP)	Sets the value for the parameter that's controlled from a footswitch connected to CTL1. The setting range is DOWN, UP only when you select "DRIVE" for CTL1 TARGET.
3	CTL2 TARGET	OFF, SENS, (DRIVE), PEAK	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100, (DOWN, UP)	Selects the value for the parameter that's controlled from a footswitch connected to CTL2. The setting range is DOWN, UP only when you select "DRIVE" for CTL2 TARGET.
4	EXP TARGET	OFF, SENS, PEAK	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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SD-1

The workhorse SD-1 has been the core gain pedal for generations of players across every musical genre. Expanding on the OD-1 design with enhanced voicing and a tone control, this essential stomp is packed with highly musical overdrive colors.



Page	Parameter	Value	Explanation
1	LEVEL	0–100	Adjusts the volume of the effect sound.
	TONE	0–100	Adjusts the brightness of the effect sound. Turn the knob clockwise for a brighter sound.
	DRIVE	0–100	Adjusts how much overdrive (distortion) is applied.
2	CTL1 TARGET	OFF, LEVEL, TONE, DRIVE	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, LEVEL, TONE, DRIVE	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, LEVEL, TONE, DRIVE	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
	–	–	–

DS-1

The DS-1 is the top-selling BOSS compact pedal ever. Its original, unchanged design delivers a hard-edged attack and smooth sustain, making it a player's staple for nearly four decades.



Page	Parameter	Value	Explanation
1	TONE	0–100	Adjusts the tonal character of the distortion. Turning this clockwise cuts the low end and boosts the high end for a more cutting tone. Turning this all the way counterclockwise cuts the high end and boosts the low end for a more mellow tone.
	LEVEL	0–100	Adjusts the volume when the effect is used.
	DIST	0–100	Adjusts the distortion depth and the sustain length at the same time. The further this is turned clockwise, the heavier the distortion effect becomes, and the longer the sound sustains.
2	CTL1 TARGET	OFF, TONE, LEVEL, DIST	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, TONE, LEVEL, DIST	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, TONE, LEVEL, DIST	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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CE-2

The CE-2 distilled the sound of the CE-1 Chorus Ensemble—the first BOSS pedal and the world’s first chorus effect—into the smaller compact pedal format. Tuned for mono operation and a lighter modulation sound than the CE-1, this signature BOSS original has defined the guitar tones on countless hits from the 1980s to the present day.



Page	Parameter	Value	Explanation
1	RATE	0–100, BPM	Adjusts the frequency (speed) of the chorus effect. * When this is set to “BPM”, you can check the tempo by watching the CHECK indicator blink, or by checking the BPM parameter.
	BPM	40–250	You can only adjust the tempo if “BPM” is selected for RATE. * If the tempo data is being received via the MIDI IN jack, you cannot adjust the tempo using the PX-1.
	DEPTH	0–100	Adjusts the depth of the chorus effect.
2	CTL1 TARGET	OFF, RATE, DEPTH, TAP	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, RATE, DEPTH, TAP	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, RATE, DEPTH	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to “TOGGLE”, you can long-press the pedal switch to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
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BF-2

In production for over 20 years, the original BF-2 hardware featured a unique analog design based around a single BBD chip. Via its four-knob interface, this versatile effect produces an array of warm modulated tones, from metallic and phase-shifted textures to soft chorus and wavering vibrato.



Page	Parameter	Value	Explanation
1	MANUAL	0–100	Adjusts the delay time (audio latency).
	DEPTH	0–100	Adjusts the sweep width, based on the delay time set in the manual parameter.
	RATE	0–100, BPM	Adjusts the sweep cycle (rate). When this is set to “BPM”, the LED indicates the tempo.
2	RES	0–100	Adjusts the amount of feedback.
	BPM	40–250	Adjusts the tempo if “BPM” is selected for RATE. This is only shown when RATE is set to “BPM”.
	–	–	–
3	CTL1 TARGET	OFF, MANUAL, DEPTH, RATE, RES, TAP	Selects the parameter to control from a footswitch connected to CTL1. * Tap operations are disabled when there is an external MIDI input.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.
4	CTL2 TARGET	OFF, MANUAL, DEPTH, RATE, RES, TAP	Selects the parameter to control from a footswitch connected to CTL2. * Tap operations are disabled when there is an external MIDI input.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to “TAP”.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to “TAP”.
5	EXP TARGET	OFF, MANUAL, DEPTH, RATE, RES, BPM	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100, 40–250	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100, 40–250	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to “TOGGLE”, you can long-press the pedal switch to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
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PN-2

The PN-2 combines tremolo and panning effects in one design. Tremolo mode produces a tighter amplitude modulation effect than traditional circuits, while Pan mode moves the audio signal across the stereo field. Triangle and square wave shapes are available to create different sound characters, and DAW tempo sync makes it easy to lock the motion with your music.



Page	Parameter	Value	Explanation
1	RATE	0–100, BPM	Adjusts the cycle (rate). PAN: Adjusts the cycle used to pan the output sound left/right. TREMOLO: Adjusts the cycle according to the dynamics of the output level. * When this is set to “BPM”, you can check the tempo by watching the CHECK indicator blink, or by checking the BPM parameter.
	DEPTH	0–100	Adjusts the amount of motion (change). PAN: Adjusts the amount of motion used when panning the output sound left/right. TREMOLO: Adjusts the amount of change for the output level.
	MODE	PAN SIN, PAN SQR, TRMOLO SIN, TREMOLO SQR	Sets the mode. You can combine the sine wave and square wave of PAN/TREMOLO for a total of four modes. PAN: The center of the sound (pan position) moves from left to right when the sound is output in stereo. TREMOLO: The output level changes cyclically. Sine wave: The output sound moves (changes) smoothly. Square wave: The output sound moves (changes) abruptly.
2	–	–	–
	BPM	40–250	Adjusts the tempo if “BPM” is selected for RATE. * This is only shown when RATE is set to “BPM”.
	–	–	–
3	CTL1 TARGET	OFF, RATE, DEPTH, MODE, TAP	Selects the parameter to control from a footswitch connected to CTL1. * Tap operations are disabled when there is an external MIDI input.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.
	CTL1 VALUE	0–100, PAN SIN, PAN SQR, TRMOLO SIN, TREMOLO SQR	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.

Page	Parameter	Value	Explanation
4	CTL2 TARGET	OFF, RATE, DEPTH, MODE, TAP	Selects the parameter to control from a footswitch connected to CTL2. * Tap operations are disabled when there is an external MIDI input.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to "TAP".
	CTL2 VALUE	0–100, PAN SIN, PAN SQR, TRMOLO SIN, TREMOLO SQR	Selects the value for the parameter that's controlled from a footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to "TAP".
5	EXP TARGET	OFF, RATE, DEPTH, BPM	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100, 40–250	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100, 40–250	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to "TOGGLE", you can long-press the pedal switch to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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OC-2

The original OC-2 hardware was a pioneer in octave pedals, producing touch-responsive tones with an all-analog circuit and a unique method of phase inversion. It features a direct level control and knobs for introducing tones one and two octaves below the original pitch. The OC-2 works great for adding mono octave sounds to any instrument, and it's legendary among bassists for its ability to create synth-like sub-bass tones.

MEMO

Play single, simple notes without effects applied. You may not hear the results you want when you play complex sounds or chords.



Page	Parameter	Value	Explanation
1	OCT 2	0–100	Adjusts the volume of the sound that's two octaves below.
	DIRECT LEVEL	0–100	Adjusts the volume of the direct sound when the effect is on.
	OCT 1	0–100	Adjusts the volume of the sound that's one octave below.
2	CTL1 TARGET	OFF, OCT 2, DIRECT LEVEL, OCT 1	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, OCT 2, DIRECT LEVEL, OCT 1	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, OCT 2, DIRECT LEVEL, OCT 1	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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PS-2

The innovative PS-2 brought continuous pitch shifting to the compact pedal format, and the effect remains popular for its retro 8-bit processing and vintage digital sound character. Three pitch modes include a manual option for fine-tuning the pitch over two octaves and presets for one octave up and one octave down. The PS-2 also includes three delay modes that provide time ranges from 30 ms to two full seconds.



Page	Parameter	Value	Explanation
1	BALANCE	100:0–100:100–0:100	Adjusts the balance between the direct sound and the effect sound. When in the center position, the direct and effect sounds are output at a 1:1 ratio. Turn the knob all the way counterclockwise to hear just the direct sound, and all the way clockwise to hear just the effect sound.
	F.BACK	0–100	When in delay mode, this adjusts how many times the delay sound repeats. Turn the knob all the way counterclockwise for a single delay, and clockwise for more delay repeats. When in pitch shift mode, turn the knob clockwise to increase the pitch shifting, for more of a unique pitch shift effect.
	FINE/MANUAL	(Setting range according to the mode), BPM	For delay mode (1–3), this sets the delay time. 1: 0–100, BPM 2: 0–100, BPM 3: 0–100, BPM For pitch shift mode (4), this adjusts the amount of pitch shift. 4: -1oct–+1oct In pitch shift mode (5, 6), this knob has no effect. 5: no effect 6: no effect * You can select  for the BPM in any mode (the time is set as appropriate, regardless of the mode). * When this is set to “BPM”, you can check the tempo by watching the CHECK indicator blink, or by checking the BPM parameter.

Page	Parameter	Value	Explanation
2	MODE	1: DLY125ms, 2: DLY500ms, 3: DLY2S, 4: PS MANUAL, 5: PS+1oct, 6: PS-1oct	Switches the mode. Delay mode (1–3) 1: Produces a 30–125 ms delay time. 2: Produces a 125–500 ms delay time. 3: Produces a 500 ms–2 sec delay time. Pitch shift mode (4–6) 4: Shifts the pitch within a range of -1 to +1 octaves. 5: Shifts the pitch +1 octave. 6: Shifts the pitch -1 octave.
	BPM	40–250	Adjusts the tempo if “BPM” is selected for FINE/MANUAL. * This is only shown when FINE/MANUAL is set to “BPM”.
	CARRYOVER	OFF, ON	Specifies whether the effect sound is carried over (ON) or not carried over (OFF) when you turn off the effect. * This is only shown when MODE is set to delay mode (1–3).
3	OUTPUT	STEREO, DRY/EFFECT	Specifies the output mode. STEREO: The direct (dry) sound is mixed with the effect (wet) sound, and output from the OUTPUT A (MONO) and OUTPUT B jacks. DRY/EFFECT: The effect (wet) sound is output from the OUTPUT A (MONO) jack, and the direct (dry) sound is output from the OUTPUT B jack.
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	–	–	–
4	CTL1 TARGET	OFF, BALANCE, F.BACK, FINE/MANUAL, TAP	Selects the parameter to control from a footswitch connected to CTL1. * Tap operations are disabled when there is an external MIDI input.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.
	CTL1 VALUE	100:0–100:100:0–100, 0–100, BPM	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1. * This is not shown when CTL1 TARGET is set to “TAP”.
5	CTL2 TARGET	OFF, BALANCE, F.BACK, FINE/MANUAL, TAP	Selects the parameter to control from a footswitch connected to CTL2. * Tap operations are disabled when there is an external MIDI input.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to “TAP”.
	CTL2 VALUE	100:0–100:100:0–100, 0–100, BPM	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to “TAP”.
6	EXP TARGET	OFF, BALANCE, F.BACK, FINE/MANUAL	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	100:0–100:100:0–100, 0–100, BPM	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	100:0–100:100:0–100, 0–100, BPM	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.

Effect algorithms

Page	Parameter	Value	Explanation
7	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to "TOGGLE", you can long-press the pedal switch to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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VB-2

This underground BOSS classic produces warm, characterful tones with mild pitch fluctuations and dynamic control of the modulation onset with the unique Rise Time function.



Page	Parameter	Value	Explanation
1	RATE	0–100, BPM	Adjusts the speed of the vibrato. * When this is set to “BPM”, you can check the tempo by watching the CHECK indicator blink, or by checking the BPM parameter.
	DEPTH	0–100	Adjusts the strength of the vibrato.
	RISE TIME	0–100	This parameter adjusts the amount of time it takes for the vibrato to reach maximum once the pedal is pressed.
2	MODE	UNLATCH, BYPASS, LATCH	Switches between the three modes. UNLATCH: unlatch. Vibrato is applied only while you hold down the pedal. The DSP is bypassed when the vibrato effect is off (this simulates a bypassed sound through a BBD). BYPASS: Vibrato is toggled on/off each time you press the pedal. This works as an analog bypass when the vibrato effect is off. LATCH: latch. The vibrato effect is toggled on/off each time you press the pedal. The DSP is bypassed when the vibrato effect is off (this simulates a bypassed sound through a BBD).
	BPM	40–250	Adjusts the tempo if “BPM” is selected for RATE. * This is only shown when RATE is set to “BPM”.
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3	CTL1 TARGET	OFF, RATE, DEPTH, RISE TIME, TAP	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1.
4	CTL2 TARGET	OFF, RATE, DEPTH, RISE TIME, TAP	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2.
5	EXP TARGET	OFF, RATE, DEPTH, RISE TIME, BPM	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.

Effect algorithms

Page	Parameter	Value	Explanation
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to "TOGGLE", you can long-press the pedal switch to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
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DD-2

Released in 1983, the DD-2 hardware was the world's first digital delay in stompbox form. Created in the early days of digital music technology, the DD-2 is still loved for its warm 12-bit tones that sit perfectly in the mix.



Page	Parameter	Value	Explanation
1	E.LEVEL	0–100	Adjusts the volume of the effect sound. When this is set to maximum, the delay and direct sounds are the same volume. When this is set to minimum, only the normal sound is output when connecting in mono, and the output from the main outs is set to “0” when connecting in stereo.
	F.BACK	0–100	Adjusts the delay repeats.
	D.TIME	0–100, BPM	Fine-tunes the delay time. The delay time changes continuously from 0.25 to 1 time the value set for the mode. * You can select ♩ for the BPM in any mode (the time is set as appropriate, regardless of the mode). * When this is set to “BPM”, you can check the tempo by watching the CHECK indicator blink, or by checking the BPM parameter.
2	MODE	S.50ms, M.200ms, L.800ms, HOLD	Switches the mode. In HOLD mode, you can use the D.TIME setting to change the hold time within a range of 200–800 msec.
	BPM	40–250	Adjusts the tempo if “BPM” is selected for D.TIME. * This is only shown when D.TIME is set to “BPM”.
	CARRYOVER	OFF, ON	Specifies whether the effect sound is carried over (ON) or not carried over (OFF) when you turn off the effect.
3	OUTPUT	STEREO, DRY/EFFECT	Specifies the output mode. STEREO: The direct (dry) sound is mixed with the effect (wet) sound, and output from the OUTPUT A (MONO) and OUTPUT B jacks. DRY/EFFECT: The effect (wet) sound is output from the OUTPUT A (MONO) jack, and the direct (dry) sound is output from the OUTPUT B jack.
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	–	–	–

Page	Parameter	Value	Explanation
4	CTL1 TARGET	OFF, E.LEVEL, F.BACK, D.TIME, TAP	Selects the parameter to control from a footswitch connected to CTL1. The TIME range for the tap operation is 133–800 ms. The BPM range is 40–250. * Tap operations are disabled when there is an external MIDI input. * Tap operations are disabled when MODE is HOLD.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1. * This is not shown when CTL1 TARGET is set to "TAP".
	CTL1 VALUE	0–100, BPM	Sets the value for the parameter that's controlled from a footswitch connected to CTL1. * This is not shown when CTL1 TARGET is set to "TAP".
5	CTL2 TARGET	OFF, E.LEVEL, F.BACK, D.TIME, TAP	Selects the parameter to control from a footswitch connected to CTL2. The TIME range for the tap operation is 133–800 ms. The BPM range is 40–250. * Tap operations are disabled when there is an external MIDI input.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to "TAP".
	CTL2 VALUE	0–100, BPM	Selects the value for the parameter that's controlled from a footswitch connected to CTL2. * This is not shown when CTL2 TARGET is set to "TAP".
6	EXP TARGET	OFF, E.LEVEL, F.BACK, D.TIME	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100, BPM	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100, BPM	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
7	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. * When MODE is HOLD, only MOMENT is available. * When PEDAL MODE is set to "TOGGLE", you can long-press to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
	–	–	–

DF-2

Compared with the DS-1 Distortion, the DF-2 offers higher gain and a smoother attack character. Its secret weapon is the feedbacker function, which lets you introduce the sustained harmonic feedback of a cranked guitar amp with on/off commands. Using automation and MIDI control assignments in your DAW, it's easy to punctuate guitars and other sounds with this expressive effect at dramatic points in performances.



Page	Parameter	Value	Explanation
1	LEVEL	0–100	Corrects the difference in volume when you switch between normal and effect.
	TONE	0–100	Adjusts the tone. Turn the knob clockwise to emphasize the high frequencies for a more biting sound. Turn the knob counterclockwise to cut the high frequencies and boost the low frequencies for a softer sound.
	DIST	0–100	Adjusts the distortion depth.
2	OVERTONE	0–100	Adjusts the harmonic component of the feedback sound (the sound that's one octave higher). Turning the knob clockwise emphasizes the sound an octave higher, and turning the knob all the way leaves only the sound an octave higher.
	–	–	–
	–	–	–
3	CTL1 TARGET	OFF, LEVEL, TONE, DIST, OVERTONE	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
4	CTL2 TARGET	OFF, LEVEL, TONE, DIST, OVERTONE	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
5	EXP TARGET	OFF, LEVEL, TONE, DIST, OVERTONE	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to "TOGGLE", you can long-press the pedal switch to generate feedback.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
	–	–	–

OD-2

The OD-2 is a highly versatile overdrive pedal with two distinctly different sounds. The standard mode produces a mild, well-defined overdrive with a sweeter character than the OD-1. Switching on Turbo mode activates an independent drive circuit with higher gain and increased presence, ideal for playing heavy riffs and solos.

NOTE

This effect must be purchased separately for use. Use the “BOSS EFFECT LOADER” app (iOS/Android) to purchase this effect.



Page	Parameter	Value	Explanation
1	LEVEL	0–100	Adjusts the volume when the effect is used. * Turn this knob all the way counterclockwise to turn the sound off.
	TONE	0–100	Adjusts the tone. Turn the knob clockwise to emphasize the high frequencies for a more biting sound. Turn the knob counterclockwise to cut the high frequencies and boost the low frequencies for a softer sound.
	DRIVE	0–100	Adjusts how much overdrive (distortion) is applied. Turning the knob clockwise increases the intensity.
2	TURBO	OFF, ON	This switch is for selecting two types of overdrive. When turbo is off, you can get a traditionally intricate overdrive sound. When turbo is on, you can get an overdrive sound that has the same impact as a distortion effect.
	–	–	–
	–	–	–
3	CTL1 TARGET	OFF, LEVEL, TONE, DRIVE, TURBO	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1.
4	CTL2 TARGET	OFF, LEVEL, TONE, DRIVE, TURBO	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2.
5	EXP TARGET	OFF, LEVEL, TONE, DRIVE	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
	–	–	–

DC-2

The DC-2 was born by adapting the rack-based Roland SDD-320 Dimension D into a compact pedal for guitars and other mono instruments. While it adds depth and spaciousness like a chorus, the unique Dimension effect produces minimal modulation, creating a three-dimensional character while preserving the instrument's natural tone.

NOTE

This effect must be purchased separately for use. Use the “BOSS EFFECT LOADER” app (iOS/Android) to purchase this effect.



Page	Parameter	Value	Explanation
1	MODE SELECTOR	1–4	Selects a sound. Larger values give a deeper effect.
	–	–	–
	–	–	–
2	CTL1 TARGET	OFF, MODE SELECTOR	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	1–4	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, MODE SELECTOR	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	1–4	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, MODE SELECTOR	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	1–4	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	1–4	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
	–	–	–

DM-2

A longtime player's favorite, the DM-2 was the first BOSS analog delay in the compact pedal lineup. Its retro BBD circuit delivers dark delays that become more saturated with each repeat, producing organic ambience that blends beautifully with the unprocessed sound. Turning up the Intensity knob drives the effect into gritty self-oscillation for expressive textures.

NOTE

This effect must be purchased separately for use. Use the "BOSS EFFECT LOADER" app (iOS/Android) to purchase this effect.



Page	Parameter	Value	Explanation
1	REPEAT RATE	0–100, BPM $\frac{1}{32}$ – $\frac{2}{1}$	Adjusts the delay time. Turn clockwise to shorten the delay time, and turn counterclockwise to lengthen the delay time. * When this is set to "BPM", you can check the tempo by watching the CHECK indicator blink, or by checking the BPM parameter.
	ECHO	0–100	Adjusts the volume of the delay sound. Turn this clockwise to increase the delay sound. Turn this all the way counterclockwise to hear only the direct sound.
	INTENSITY	0–100	Adjusts the number of delay repeats. Turn the knob clockwise to increase the number of delay repeats. Turn the knob all the way counterclockwise for a single delay. * You may hear feedback if you turn the knob too far clockwise.
2	–	–	–
	BPM	40–250	You can only adjust the tempo if "BPM" is selected for REPEAT RATE. * If the tempo data is being received via the MIDI IN jack, you cannot adjust the tempo using the PX-1.
	CARRYOVER	OFF, ON	Specifies whether the effect sound is carried over (ON) or not carried over (OFF) when you turn off the effect.
3	CTL1 TARGET	OFF, REPEAT RATE, ECHO, INTENSITY, TAP	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
4	CTL2 TARGET	OFF, REPEAT RATE, ECHO, INTENSITY, TAP	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
5	EXP TARGET	OFF, REPEAT RATE, ECHO, INTENSITY	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.

Page	Parameter	Value	Explanation
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1. When PEDAL MODE is set to "TOGGLE", you can long-press the pedal switch to use tap input.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to "MOMENT".
	–	–	–

PW-2

The PW-2 delivers gritty, rough-grained distortion that works in many musical settings. Combine with a high-gain amp for a wall of sound, or use a lower-gain setup for refined crunch. Start with the Fat and Muscle controls at minimum, then raise them for the desired low and mid-frequency character.

NOTE

This effect must be purchased separately for use. Use the “BOSS EFFECT LOADER” app (iOS/Android) to purchase this effect.



Page	Parameter	Setting range	Explanation
1	LEVEL	0–100	Adjusts the volume when the effect is used. * Turn this knob all the way counterclockwise to turn the sound off.
	MUSCLE	0–100	Adjusts the strength of the sound. Turning the knob clockwise emphasizes the midrange frequencies, giving you a more powerful sound.
	DRIVE	0–100	Adjusts how much overdrive (distortion) is applied. Turning the knob clockwise increases the intensity.
2	FAT	0–100	Adjusts the fatness of the sound. Turning the knob clockwise emphasizes the low frequencies, giving you a heavier sound with more impact.
	–	–	–
	–	–	–
3	CTL1 TARGET	OFF, LEVEL, MUSCLE, DRIVE, FAT	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1.
4	CTL2 TARGET	OFF, LEVEL, MUSCLE, DRIVE, FAT	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2.
5	EXP TARGET	OFF, LEVEL, MUSCLE, DRIVE, FAT	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
	–	–	–

XT-2

The XT-2 is designed for bold distortion with maximum tone shaping. Even with the cleanest amps, it produces thick, solid gain with a commanding presence. Contour and Punch unlock a huge range of midrange control. Create massive tones with scooped mids for heavy riffs. Or boost focus and trim girth to slice through dense mixes.

NOTE

This effect must be purchased separately for use. Use the “BOSS EFFECT LOADER” app (iOS/Android) to purchase this effect.



Page	Parameter	Setting range	Explanation
1	LEVEL	0–100	Adjusts the volume when the effect is used. * Turn this knob all the way counterclockwise to turn the sound off.
	CONTOUR	0–100	This control is used for adjusting the tone of the sound. Turning the knob clockwise produces a more toned-down sound, and turning the knob counterclockwise produces a sharper, heavier sound.
	DIST	0–100	Adjusts the distortion. Turning the knob clockwise produces a deeper distortion effect.
2	PUNCH	0–100	This adds distortion to the midrange frequencies, giving the sound more presence.
	–	–	–
	–	–	–
3	CTL1 TARGET	OFF, LEVEL, CONTOUR, DIST, PUNCH	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that’s connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that’s controlled from a footswitch connected to CTL1.
4	CTL2 TARGET	OFF, LEVEL, CONTOUR, DIST, PUNCH	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that’s controlled from a footswitch connected to CTL2.
5	EXP TARGET	OFF, LEVEL, CONTOUR, DIST, PUNCH	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
6	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
	–	–	–

CS-2

While the CS-1 used an optical detector circuit, the next-generation CS-2 introduced a VCA for faster response. The compression is more versatile, enhanced by subtle distortion in the VCA circuitry that adds natural richness and character. Use the Attack knob to adjust the response to suit your personal touch and different music styles.

NOTE

This effect must be purchased separately for use. Use the “BOSS EFFECT LOADER” app (iOS/Android) to purchase this effect.



Page	Parameter	Setting range	Explanation
1	LEVEL	0–100	Adjusts the volume when the effect is used. * Turn this knob all the way counterclockwise to turn the sound off.
	ATTACK	0–100	Adjusts the attack speed. Turning the knob clockwise makes the attack of each note sound clearer, even when picking fast.
	SUSTAIN	0–100	Adjusts the sustain time (how long the sound rings out). Turn the knob clockwise for a longer sustain time. Turn the knob counterclockwise for a limiter effect, which keeps loud input signals down.
2	CTL1 TARGET	OFF, LEVEL, ATTACK, SUSTAIN	Selects the parameter to control from a footswitch connected to CTL1.
	CTL1 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch that's connected to CTL1.
	CTL1 VALUE	0–100	Sets the value for the parameter that's controlled from a footswitch connected to CTL1.
3	CTL2 TARGET	OFF, LEVEL, ATTACK, SUSTAIN	Selects the parameter to control from a footswitch connected to CTL2.
	CTL2 MODE	MOMENT, TOGGLE	Selects the operation mode for the footswitch connected to CTL2.
	CTL2 VALUE	0–100	Selects the value for the parameter that's controlled from a footswitch connected to CTL2.
4	EXP TARGET	OFF, LEVEL, ATTACK, SUSTAIN	Selects the parameter controlled by an external expression pedal connected to the EXP jack.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to the EXP jack.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to the EXP jack.
5	PEDAL MODE	MOMENT, TOGGLE	Selects the operation mode for the pedal switch on the PX-1.
	ACTION	OFF → ON, ON → OFF	Sets how the pedal switch on this unit operates when PEDAL MODE is set to “MOMENT”.
	–	–	–

Troubleshooting

Problem	Points to check	Action
Power does not turn on	Is the specified adaptor (PSA-series) or a USB AC adaptor that meets the conditions for use (at least 5 V/0.5 A) properly connected to this unit?	Connect the correct AC adaptor or USB AC adaptor.
No sound	Is your output device correctly connected to the OUTPUT jack?	Check the OUTPUT jack connection.

Error messages

Display	Explanation
PLEASE RE-INSTALL THIS EFFECT 	The selected effect model is not supported by the PX-1's current firmware. Update the unit to the latest firmware.
UNSUPPORTED 	If you've selected an unsupported model, "UNSUPPORTED" is shown below the model name.

Main specifications

Current Draw	260 mA (AC adaptor) 420 mA (USB)
Dimensions	73 (W) x 125 (D) x 56 (H) mm 2-7/8 (W) x 4-15/16 (D) x 2-1/4 (H) inches
Weight (excluding AC adaptor)	400 g 15 oz
Accessories	Leaflet ("USING THE UNIT SAFELY", "IMPORTANT NOTES", and "Information") AC adaptor Roland Cloud Activation Card
Options (sold separately)	Footswitch: FS-5U Dual footswitch: FS-6, FS-7 Expression pedal: FV-500H, FV-500L, EV-30, Roland EV-5 TRS/MIDI connecting cable: BMIDI-5-35, BMIDI-1-35, BMIDI-2-35, BCC-1-3535, BCC-2-3535

* This document explains the specifications of the product at the time that the document was issued. For the latest information, refer to the Roland website.

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Owner's Manual
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