



PX-1

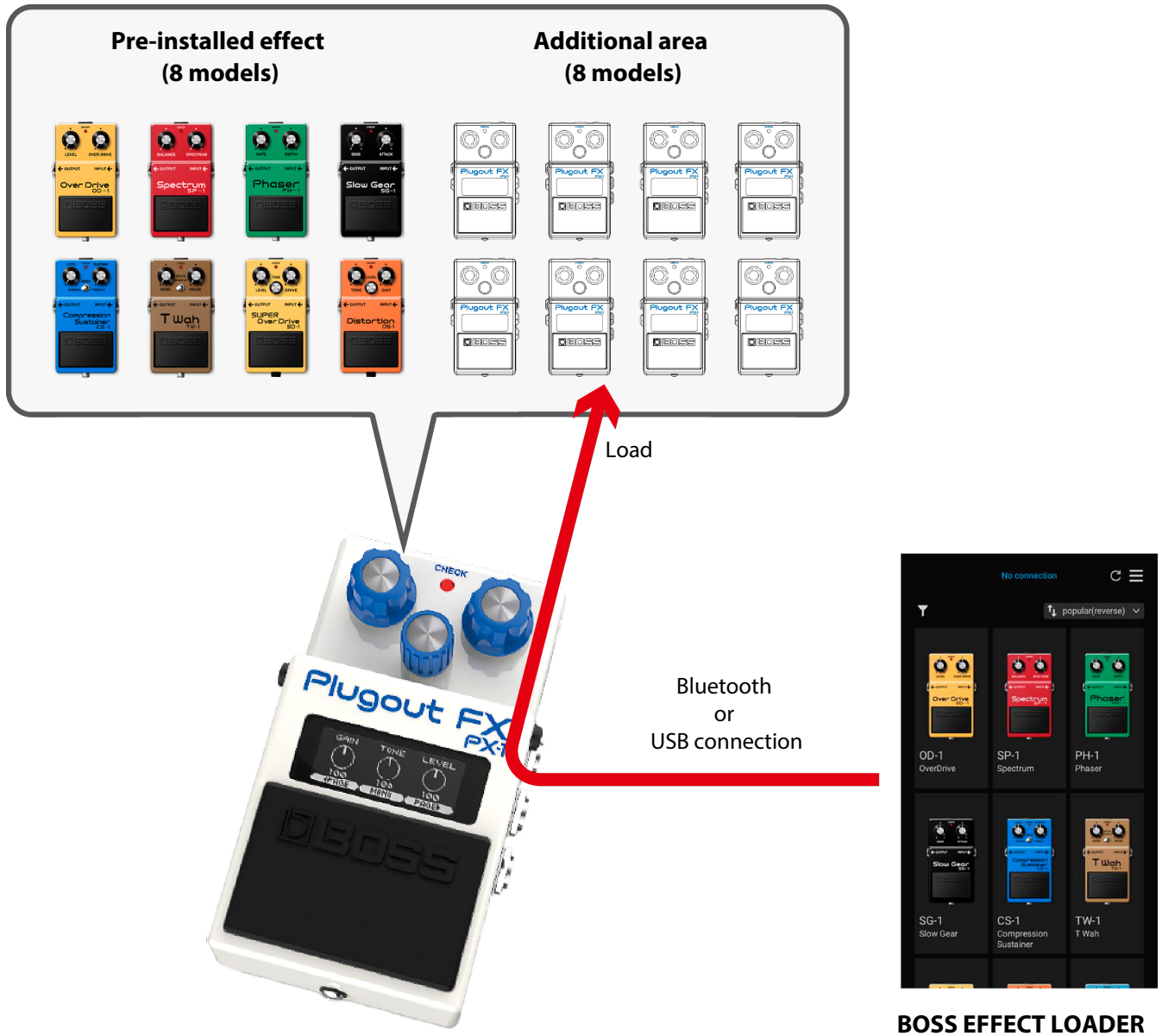
Owner's Manual

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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 depends on the size of 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 and 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

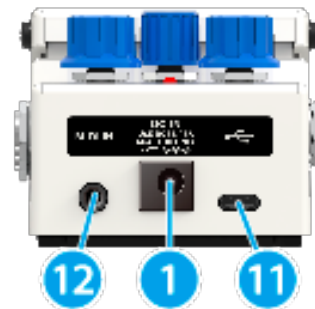
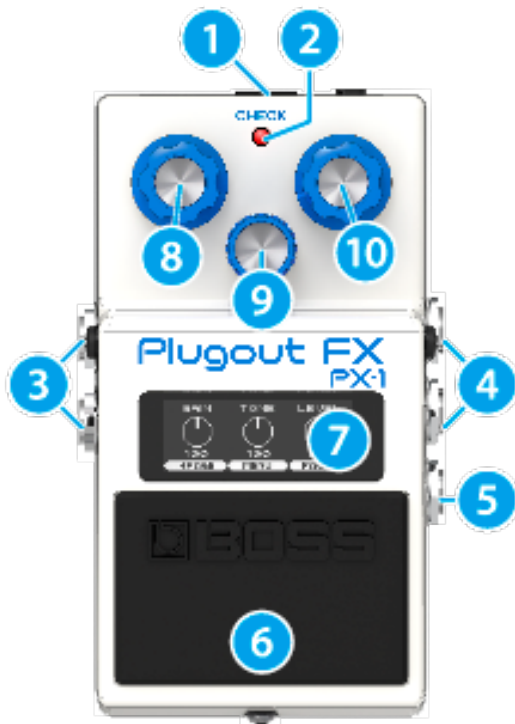
You must install the BOSS EFFECT LOADER app if you want to load effects into the PX-1.

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 (A- to C-type or C- to C-type). * 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).

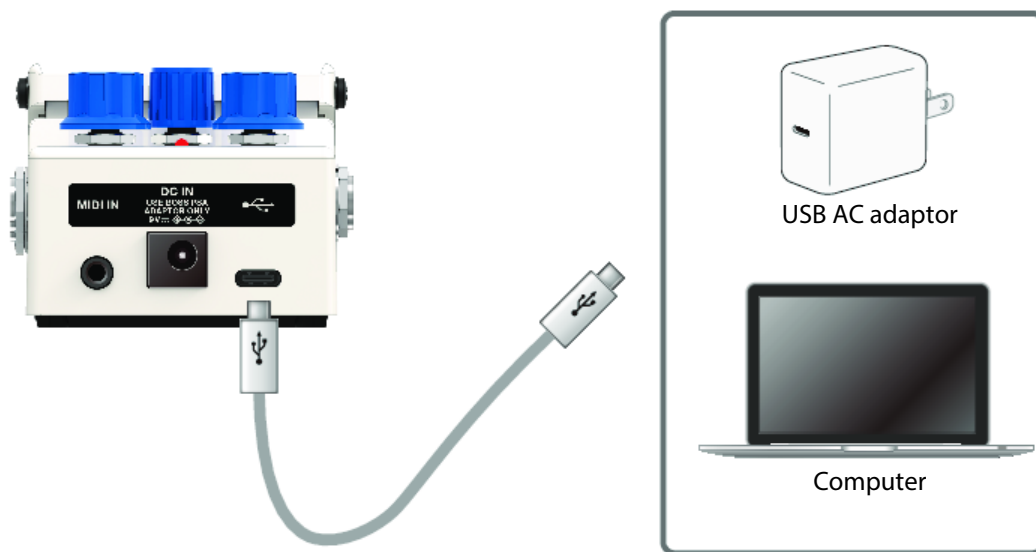
2 Turn on your amp or other audio equipment.

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 Unplug the AC 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.**



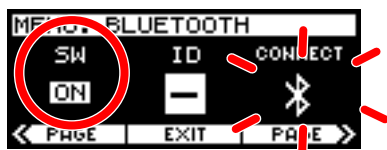
MEMO

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.

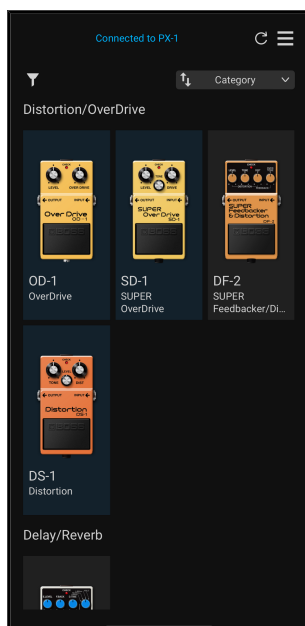
MEMO

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

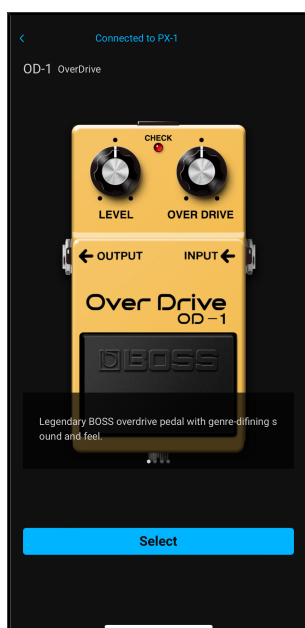
Playing with this unit

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

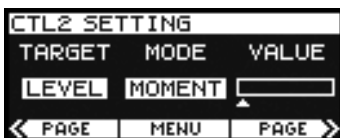
This screen is for configuring what the switch connected to CTL1 does.



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 to 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

Shows the QR Code that links to the manual.

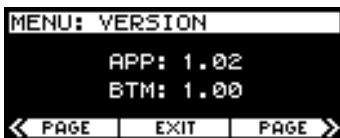
* QR Code is a registered trademark of DENSO WAVE INCORPORATED in Japan and in other countries.



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

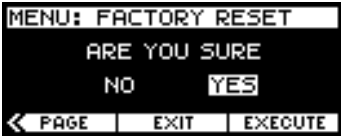
Shows the version of this unit and the Bluetooth module.



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.

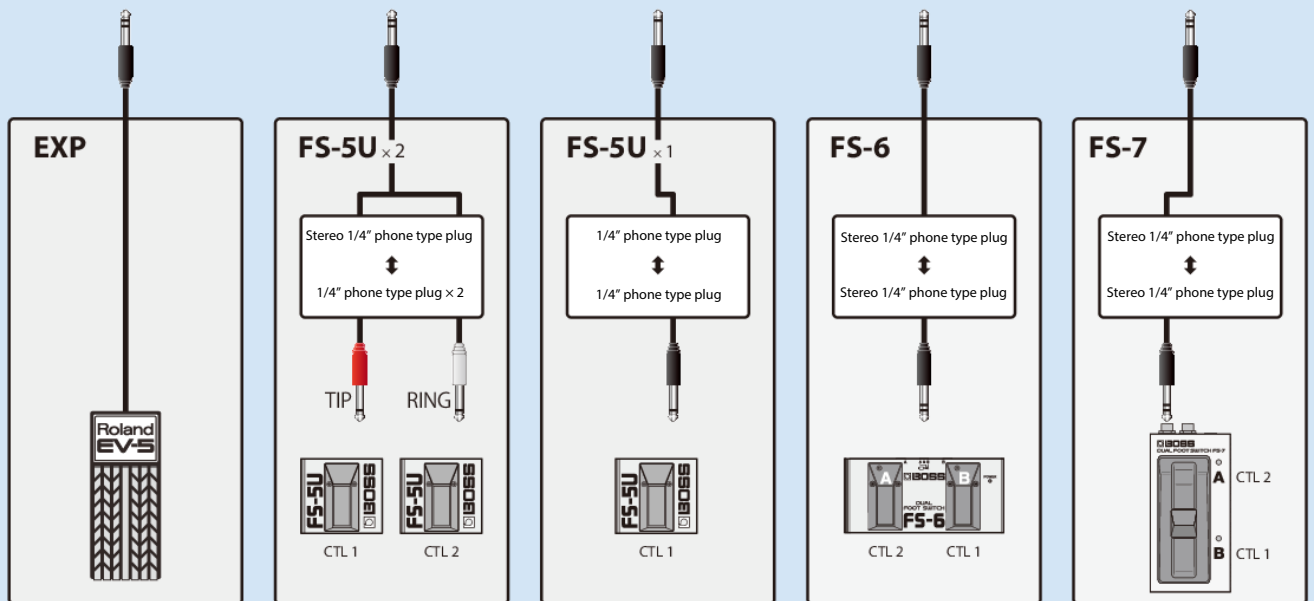
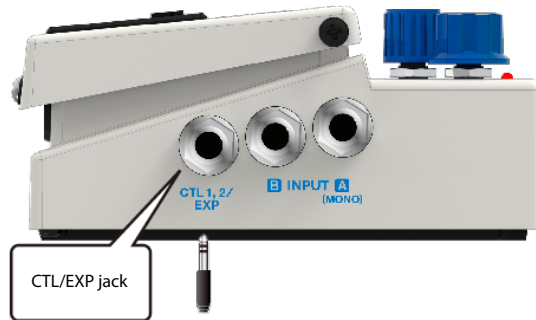
FACTORY RESET

This screen is used when performing a factory reset.

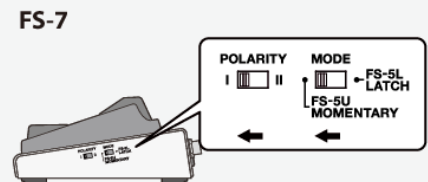
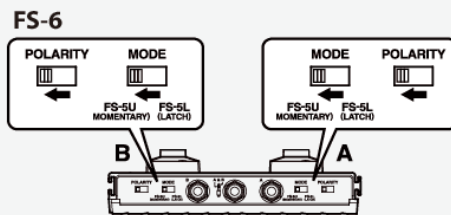
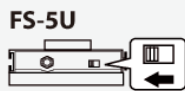


Operation	Left knob	Center knob	Right knob
Turn	Selects YES/NO.	Selects YES/NO.	Selects YES/NO.
Press	PAGE: Switches to the previous page.	EXIT: Exits the menu screen.	EXECUTE: Performs a factory reset. → “Restoring the factory settings (factory reset) (p. 16)”

Connecting an external pedal



Mode/polarity switches



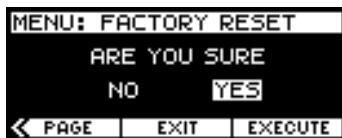
Restoring the factory settings (factory reset)

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 algorithms are deleted except for the eight preinstalled algorithms. Use the BOSS EFFECT LOADER App when you want to individually delete an algorithm.
- 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 and 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 **Visit the website shown below to input 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 offers a soft and clear distortion sound, much like the overdrive sound on a vacuum tube amp.

This effect faithfully conveys the dynamics of your picking and the player's own delicate nuances, without altering the unique sound of the guitar.



Page	Parameter	Value	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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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

The SP-1 emphasizes a specific frequency range to produce changes in the sound. You can change the frequency within the 500 Hz–5 kHz range. This effect works best in the high-frequency range.

Use this effect with other instruments besides guitar to create unique sounds.



Effect algorithms

Page	Parameter	Value	Explanation
1	BALANCE	0–100	Adjusts the amount of boost of the frequency that's set with the right knob.
	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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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 lets you generate sharp phaser effects with a wide range of change, from ultra low to high-speed sound.

This effect's natural phaser sound offers an outstanding and commanding presence for any situation.



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.

Page	Parameter	Value	Explanation
2	CTL1 TARGET	OFF, RATE, DEPTH, TAP	Selects the parameter to control from a footswitch connected to CTL1. * Tap operations are disabled when the tempo data is being received via the MIDI IN jack.
	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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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 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

The SG-1 is an effect unit that lets you easily produce violin-like playing with faster passages, simulating advanced techniques. Traditionally, players have had to use the volume control on their guitar or use a foot volume pedal to simulate violin-like sounds. The SG-1 makes it a breeze to enjoy a wide variety of violin-like sounds, simply by adjusting the attack time. You can also use this effect with other instruments besides electric guitars as well, by adjusting the sensitivity using the [SENS] knob, according to the input level.



Page	Parameter	Value	Explanation
1	SENS	0–100	Adjusts the sensitivity. When the sensitivity is set to a lower value, the effect of the slow gear can be obtained only with a stronger picking, while no effect is obtained with a weaker picking. When the sensitivity is set higher, the effect is obtained regardless of 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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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".
	–	–	

CS-1

The CS-1 offers a sound with long sustain, without distortion. You can emphasize the sustain of the treble sound by setting the mode switch to TREBLE. This produces a balanced sustain sound when you're playing chords. As the effect is designed with a wide compression range, this effect is useful for all kinds of instruments.

You can also use this effect as a limiter by setting a short sustain.



Page	Parameter	Value	Explanation
1	LEVEL	0–100	Adjusts the volume when the effect is used.
	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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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".
	–	–	

TW-1

The TW-1 controls the wah effect according to the strength of your picking, producing sounds that can't be achieved just using pedal wah.

The wah sound can be changed from a deeper to a more shallow sound, and can be used on bass guitars or other instruments besides guitars.



Effect algorithms

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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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

This offers a soft and clear distortion sound, much like the overdrive sound on a vacuum tube amp. You can also use the tone control to emphasize or cut the high-frequency range and create a wide range of effects.

The SD-1 faithfully conveys the dynamics of your picking and the player's own delicate nuances, without altering the favorable tonal qualities of the guitar.



Page	Parameter	Value	Explanation
1	LEVEL	0–100	Adjusts the volume when the effect is used.
	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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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 offers a variety of distortion sounds from mellow and soft to gritty and hard.



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	This adjusts the volume of the effect sound.
	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.

Effect algorithms

Page	Parameter	Value	Explanation
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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0-100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0-100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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 was designed as a compact pedal effect unit owing to the demands of many guitarists, and delivers the chorus sounds of the BOSS CE-1 chorus effect pedal that was first released worldwide in 1976.



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.

Page	Parameter	Value	Explanation
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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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".
	–	–	

BF-2

The BF-2 combines four controls: manual, depth, rate and resonance, to let you achieve a wide range of flanging effects.



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".

Effect algorithms

Page	Parameter	Value	Explanation
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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100, 40–250	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100, 40–250	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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 is an effect unit that creates panning effects (moving the sound across the stereo field) and tremolo effects (making cyclic changes to the volume). This lets you output mono instruments in stereo by applying a panning effect. You can also add panning and tremolo effects to instruments with stereo outputs.



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”.
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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100, 40–250	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100, 40–250	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.

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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OC-2

The OC-2 is a low noise effect unit that generates a sound one and two octaves below the direct sound.

You can mix the sounds of one and two octaves below that have been accurately extracted along with the direct sound for a total of three sounds, as you like.

This lets you create bass sounds with low-end impact, as well as a variety of octave sounds.

The envelope features superior characteristics to create a natural bass sound.



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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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 PS-2 is a complex effect unit that features both a pitch shifter and a digital delay in a compact size.

This lets you freely shift the pitch over a range of ± 1 octave. You can also select either "5" or "6" for the MODE parameter to use this unit as an octaver (± 1 octave).

When using the unit as a digital delay, you can freely set the delay time from 30 ms all the way up to a maximum of two 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 For 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.

Effect algorithms

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	Sets the parameter controlled by an expression pedal connected to EXP.
	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 EXP.
	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 EXP.

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".
	–	–	

VB-2

The VB-2 is an effect unit that lets you apply vibrato not only to the sound of electric guitar, but also to instruments for which vibrato couldn't previously be applied, like electric and digital pianos, along with a host of other electronic musical instruments.

You can freely select between three modes: unlatch (momentary) mode, where vibrato is only applied while the pedal is pressed; latch (toggle) mode, where vibrato is switched on/off with each press of the pedal; and bypass, which passes through the signal when vibrato is not required. Further, you can use rise time to control the time over which the pedal is pressed and the vibrato reaches maximum, for a natural-sounding vibrato effect.



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. When the vibrato effect is off, the effect becomes DSP bypass. (Simulates the bypass sound that passes through the BBD). BYPASS: Vibrato is toggled on/off each time you press the pedal. When the vibrato effect is off, the effect becomes analog bypass. LATCH: latch. Vibrato is toggled on/off each time you press the pedal. When the vibrato effect is off, the effect becomes DSP bypass. (Simulates the bypass sound that passes through the 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.

Effect algorithms

Page	Parameter	Value	Explanation
5	EXP TARGET	OFF, RATE, DEPTH, RISE TIME, BPM	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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”.
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DD-2

The DD-2 is the first digital long delay in a compact effect unit format. Delay times (12.5–800 msec) and frequency characteristics (40 Hz–7 kHz, +1/-3 dB) that were unheard of in previous compact analog delays are now possible.



Page	Parameter	Value	Explanation
1	E.LEVEL	0–100	Adjusts the volume when the effect is used. 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.

Page	Parameter	Value	Explanation
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, 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 70–300. * 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 70–300. * 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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100, BPM	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100, BPM	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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

The DF-2 is a unique effect unit that adds a totally novel feedback feature to super distortion, for creating a wide range of sounds from soft to hard.

By picking a single note (not chords) and then holding the pedal switch, you can easily get feedback regardless of what type of guitar or amp you're using, or your settings.



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	Sets the parameter controlled by an expression pedal connected to EXP.
	EXP MIN	0–100	Sets the minimum value for the parameter controlled by an expression pedal connected to EXP.
	EXP MAX	0–100	Sets the maximum value for the parameter controlled by an expression pedal connected to EXP.
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".
	–	–	

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 heard	Is your output device correctly connected to the OUTPUT jack?	Check the OUTPUT jack connection.

Error message

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.

PX-1
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