LS-2 Line Selector — Owner's Manual

English

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Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet).
After reading, keep the document(s) where it will be available for immediate reference.

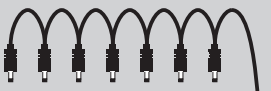
Main Features

- The LS-2 provides two separate line-loop outputs.
- The LS-2 features 6 different modes (including effect loop selector and line selector) that enhance its versatility.
- The LS-2 provides individual control over the output level of each line.
- Each line has an indicator, allowing you to easily determine the current state of the unit.
- A DC OUT Jack is provided to supply power to an external effect unit when an AC adaptor is being used to supply power to the LS-2.

Panel Descriptions

DC OUT jack
When an AC adaptor is used, you can connect a PCS-20A parallel DC cord (sold separately) to supply power to other PSA-adaptor-compatible devices.

* **Power cannot be supplied when the LS-2 is running on batteries.**
* **In you're using the PCS-20A in combination with a PSA series adaptor, make sure that the total current consumption of this unit and the PSA-adaptor-compatible devices being supplied with power doesn't exceed the maximum output of the PSA series adaptor you're using.**



Parallel DC cord
(PCS-20A; sold separately)

DC IN jack
Accepts connection of an AC Adaptor (PSA series; sold separately). By using an AC Adaptor, you can play without being concerned about how much battery power you have left.

AC Adaptor
(PSA series; sold separately)

* **We recommend that you keep batteries installed in the unit even though you'll be powering it with the AC adaptor. That way, you'll be able to continue a performance even if the cord of the AC adaptor gets accidentally disconnected from the unit.**
* **Use only the specified AC adaptor (PSA-series).**

Line indicators A/B
The appropriate indicator lights when the corresponding line (A/B) is selected.

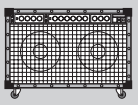
* **These indicators also serve as a battery check. When they become dim (or do not light at all), replace the battery immediately.**

LEVEL knobs A/B
Each knob controls the output level of the corresponding line (A/B). The output level is variable from -∞ (muted) to -20 dB.

* **When a knob is set to the center position, the input and output levels are equal.**

SEND jacks A/B
These jacks send the signals received by the Input Jack when the corresponding line (A/B) is in use.

OUTPUT jack
Connect an amplifier to this jack.

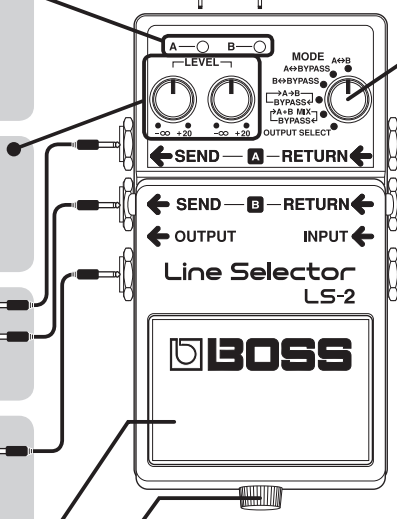


Guitar Amplifier

Pedal Switch
This switch selects the line to be used.

Thumbscrew
When this screw is loosened, the pedal will open, allowing you to change the battery.

* **For instructions on changing the battery, refer to "Changing the Battery."**



MODE switch
This Switch selects the operating mode.
For a detailed explanation, see "Mode Description."

RETURN jacks A/B
These jacks feed the signal from the corresponding line (A/B) into the unit.

INPUT jack
This jack accepts input signals (coming form a guitar, some other electric or electronic musical instrument, or another effects unit).

Electric Guitar

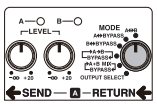
* **The INPUT jack also serves as the power switch. Power is turned on whenever a plug is inserted into the INPUT jack, and is turned off when the plug is disconnected. When not using the unit, you should disconnect any cable connected to the INPUT jack.**

Use of Battery

- A battery is supplied with the unit. The life of this battery may be limited, however, since its primary purpose was to enable testing.
- If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet).
- When operating on battery power only, the unit's indicator will become dim when battery power gets too low. Replace the battery as soon as possible.
- Batteries should always be installed or replaced before connecting any other devices. This way, you can prevent malfunction and damage.

Operating the Unit

1. Select the desired mode.

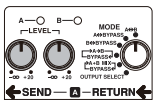


* **Be sure to select an appropriate mode referring to "Mode Description" and "LS-2 Sample Settings (PDF)."**
  ➡ http://www.boss.info/manuals/

2. Connect the relevant units depending on the mode you have selected.

* **Before connecting or disconnecting cords, be sure to turn down the volume on the amplifier.**

3. Select the desired line by pressing the pedal. Then adjust the output level of each line with the LEVEL knobs.



* **The LEVEL knobs may not work depending on how the units are set up.**

Mode Description

The following describes the LS-2's six operation modes.

* **When you change modes, be sure to determine the currently selected line using the Line indicators.**

MODE	Explanation
A↔B	Pressing the pedal alternately selects Line A or Line B. This is an ideal setting for using only the line loop function (when bypass output is not required). **LINE A** INPUT → SEND A → RETURN A → OUTPUT **LINE B** INPUT → SEND B → RETURN B → OUTPUT
A↔BYPASS	Pressing the pedal alternately selects Line A or Bypass. **LINE A** INPUT → SEND A → RETURN A → OUTPUT **BYPASS** INPUT → OUTPUT
B↔BYPASS	Pressing the pedal alternately selects Line B or Bypass. **LINE B** INPUT → SEND B → RETURN B → OUTPUT **BYPASS** INPUT → OUTPUT
→A→B BYPASS↵	Pressing the pedal repeatedly selects (in sequence) Line A, Line B or Bypass. **LINE A** INPUT → SEND A → RETURN A → OUTPUT **LINE B** INPUT → SEND B → RETURN B → OUTPUT **BYPASS** INPUT → OUTPUT
→A+B MIX BYPASS↵	Pressing the pedal alternately selects Line A + Line B (mixed) or Bypass. **A+B MIX** INPUT → SEND A → RETURN A → OUTPUT; INPUT → SEND B → RETURN B → OUTPUT **BYPASS** INPUT → OUTPUT
OUTPUT SELECT	Pressing the pedal repeatedly selects (in sequence) Send A, Send B or Output. **LINE A** INPUT → SEND A **LINE B** INPUT → SEND B **BYPASS** INPUT → OUTPUT

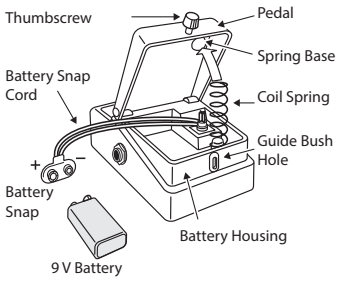
Use of Battery

- A battery is supplied with the unit. The life of this battery may be limited, however, since its primary purpose was to enable testing.
- If you handle batteries improperly, you risk explosion and fluid leakage. Make sure that you carefully observe all of the items related to batteries that are listed in "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (supplied on a separate sheet).
- When operating on battery power only, the unit's indicator will become dim when battery power gets too low. Replace the battery as soon as possible.
- Batteries should always be installed or replaced before connecting any other devices. This way, you can prevent malfunction and damage.

Changing the Battery

1. Hold down the pedal and loosen the thumbscrew, then open the pedal upward.

* **The pedal can be opened without detaching the thumbscrew completely.**



2. Remove the old battery from the battery housing, and remove the snap cord connected to it.

3. Connect the snap cord to the new battery, and place the battery inside the battery housing.

* **Be sure to carefully observe the battery's polarity (+ versus -).**

4. Slip the coil spring onto the spring base on the back of the pedal, and then close the pedal.

* **Carefully avoid getting the snap cord caught in the pedal, coil spring, and battery housing.**

5. Finally, insert the thumbscrew into the guide bush hole and fasten it securely.

Main Specifications

Nominal Input Level	-20 dBu
Input Impedance	1 MΩ
Nominal Output Level	-20 dBu
Output Impedance	1 kΩ
Recommended Load Impedance	10 kΩ or greater
Power Supply	Carbon-zinc battery (9 V, 6F22) or Alkaline battery (9 V, 6LR61) AC adaptor (PSA series: sold separately)
Current Draw	30 mA * **Expected battery life under continuous use: Carbon: 14.5 hours Alkaline: 29.5 hours These figures will vary depending on the actual conditions of use.**
Dimensions	73 (W) x 129 (D) x 59 (H) mm 2-7/8 (W) x 5-1/8 (D) x 2-3/8 (H) inches
Weight	430 g /1 lb (including battery)
Accessories	Owner's Manual Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Carbon-zinc battery (9 V, 6F22)
Options	AC adaptor (PSA-series) Parallel DC cord (PCS-20A)

* **0 dBu = 0.775 Vrms**
* **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.**