



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 DD-3 allows wider range of delay time (12.5 ms to 800 ms) and frequency response (40 Hz to 7 kHz, -3/+1 dB) than conventional analog system one.
- The Pedal Switch has double duty of Effect ON/OFF and Hold ON/OFF. Hold Effect is made attainable by its digital system.
- 2 Output system allows to select Mono or Separate out.

Panel Descriptions

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.

- * 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).
- * If the AC adaptor is connected while power is on, the power supply is drawn from the AC adaptor.

E.LEVEL knob

This knob controls the output level of the delay sound. Turning this knob clockwise increases the level of the delay sound. With this knob turned fully clockwise, the output level of the delay sound is equivalent to that of the direct sound. Also when this knob is turned fully counterclockwise, only the direct sound is obtained. (No sound is heard from the OUTPUT jack when the DIRECT OUT jack is used.)

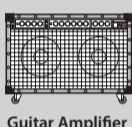
F.BACK knob

This knob decides how many times the delay sound is to be repeated. Turning this knob clockwise increases the number of repetition of delay sound, and turning this knob fully counterclockwise produces single delay sound.

OUTPUT jack

Monaural signal (the mixed signal of the direct and delay sounds) is output from this jack. (If a plug is not connected to the DIRECT OUT Jack.)

- * In case requiring only the delay sound (for connecting to Echo Send/Return of a mixer), connect a dummy plug to the Direct OUT Jack.



Guitar Amplifier

Pedal switch

This switch turns the effects ON/OFF.

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."

CHECK indicator

This indicator shows whether an effect is ON/OFF, and doubles as the Battery Check indicator. The indicator lights when an effect is ON.

- * If this indicator goes dim or no longer lights while an effect is ON, the battery is near exhaustion and should be replaced immediately.
- * The CHECK indicator shows whether the effect is on or off, and indicates the different functions. It does not indicate whether the power to the device is on or not.

D.TIME knob

This knob allows to finely adjust the delay time set with the Mode Selector Switch by from "X0.25" to "X1" continuously. Turning this knob clockwise increases the delay time, and counterclockwise decreases it.

MODE knob

The Mode Selector Switch has 4 modes, S, M, L, and Hold. The delay time changes from 12.5 ms to 800 ms continuously by using this selector and the D.TIME knob. In Hold mode, the D.TIME knob controls the repetition time of the hold sound from 200 ms to 800 ms. The Pedal Switch works as long as the pedal is held down.

INPUT jack

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

- * 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 cord connected to the INPUT jack.

DIRECT OUT jack

When a plug is connected to this jack, direct sound is output from this jack, and delay sound is output from the Output Jack.

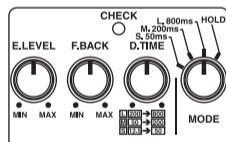
Precautions When Connecting

- * To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.
- * Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing malfunction and/or damage to speakers and other devices.
 - When powering up:** Turn on the power to your guitar amp last.
 - When powering down:** Turn off the power to your guitar amp first.
- * Before turning the unit on/off, always be sure to turn the volume down. 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.

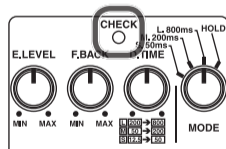
Operating the Unit

(1) DELAY (ECHO) EFFECT

1. After connecting all the cords required, set all the knobs on the panel as illustrated.

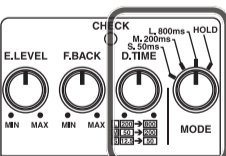


2. When the CHECK Indicator lights up by pressing the Pedal Switch down, Delay Effect is ON, and if goes out, Delay Effect is OFF.



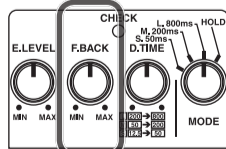
- * This indicator serves as Battery Check Indicator as well. The battery should be replaced with a new one when the indicator lights only dimly or fails to light up.

3. Select the range of delay time with the MODE knob, and then adjust the Delay Time by rotating the D.TIME knob.



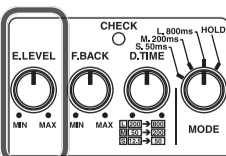
- * High-frequency input signal can cause beat notes, making Delay sound muddy. Slight counterclockwise rotation of D. TIME will decrease beats.

4. Adjust the repetition time by setting the Feedback knob to a proper position.



- * If this knob is set too high, oscillation may occur.

5. Adjust the output level of delay sound.

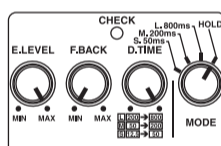


- * Turning the knob to MAX makes the level of delay sound equivalent to the direct sound.

- * When this knob is set to MIN in stereo mode, the delay sound is not output through the OUTPUT jack.

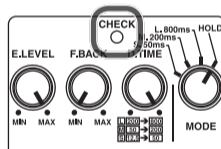
(2) HOLD EFFECT

1. After connecting all the cords required, set the all knobs on the panel as illustrated.



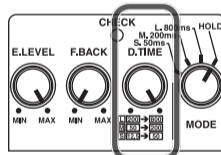
- * Feedback Effect does not work with Hold effect ON.

2. When the Check Indicator lights up by pressing the Pedal Switch down, Hold is ON. If it goes out by releasing the Pedal Switch, Hold is OFF (Normal).



- * When you press the Pedal Switch down after playing some phrases, the last sound played will take on the Hold effect.
- * The Pedal Switch works as long as the pedal is held down.

3. The delay time knob adjust the Hold Time (200 ms to 800 ms). When you rotate this knob while the hold sound is heard, its pitch changes; rotating it clockwise lowers the pitch and counterclockwise raises it.

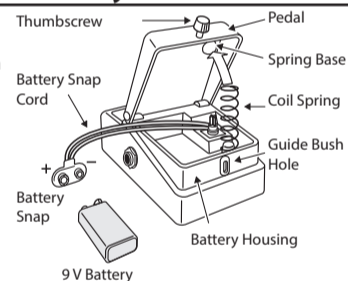


Use of Battery

- * A battery was installed in the unit before it left the factory. The life of this battery may be limited, however, since its primary purpose was to enable testing.
- * If operating this unit on battery, please use alkaline battery.
- * 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.
4. Slip the coil spring onto the spring base on the back of the pedal, and then close the pedal.
 - * Be sure to carefully observe the battery's polarity (+ versus -).
 - * 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

BOSS DD-3: Digital Delay

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	DC 9V; Dry battery 6LR61 (9V) type (alkaline), AC Adaptor (PSA series: Option)
Current Draw	35mA
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	450 g / 1 lb (including battery)
Accessories	Instructions, Dry battery/9V type (6LR61), Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information")
Options	AC Adaptor PSA series

* 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.