BOSS DD-3T Digital Delay — Owner's Manual

English

© 2019 Roland Corporation

* 5 1 0 0 0 0 6 7 6 6 9 - 0 1 *

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.

Panel Descriptions

DC IN jack

Accepts connection of an AC Adaptor (sold separately: PSA series). 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.

AC adaptor (sold separately: PSA series)

CHECK indicator

Indicates the on/off status of the effect or the short loop function, and also provides a battery check function. The indicator is lit red when on, and unlit when off.

* 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.

[E.LEVEL] knob

Adjusts the volume of the delay sound. Turning the knob clockwise increases the delay sound. If the knob is turned all the way clockwise, the delay sound has the same volume as the direct sound.

If the knob is turned all the way counterclockwise, no delay sound is output.

[FEEDBACK] knob

Adjusts the feedback level. Turning the knob clockwise increases the number of repetition of delay sound. Turning the knob fully counterclockwise produces single delay sound.

[MODE] knob, [TIME] knob

Use the [MODE] knob to choose the mode.

When MODE = S. 50ms, M. 200ms, L. 800ms

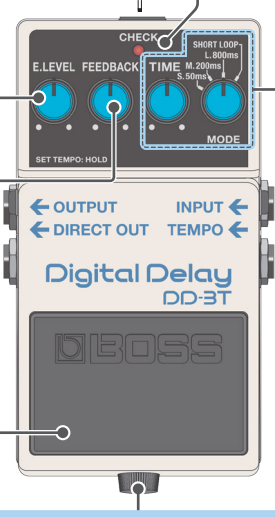
Switches the delay time range between three settings. Use the [TIME] knob to adjust the delay time. Turning the knob clockwise lengthens the delay time.

MODE	Minimum value	Maximum value
S. 50ms	12.5 msec	50 msec
M. 200ms	50 msec	200 msec
L. 800ms	200 msec	800 msec

When MODE = SHORT LOOP

The sound immediately prior to pressing the pedal switch is played as a loop as long as you hold down the pedal switch (short loop function). Use the [TIME] knob to adjust the loop time (200–800 msec).

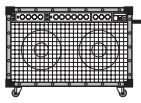
* If you change the loop time while the loop is playing, the pitch of the loop sound changes.



OUTPUT jack

Outputs a mix of direct sound and delay sound. Connect this to your guitar amp or effect unit.

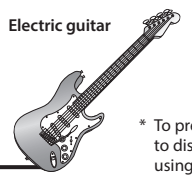
* If a device is connected to the DIRECT OUT jack, only the delay sound is output.



Guitar amplifier

INPUT jack (Power switch)

Inputs the sound to which delay is applied. Connect your electric guitar, other instrument, or effect unit here.



Electric guitar

About power on/off

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.

* To prevent unnecessary battery consumption, be sure to disconnect the plug from the INPUT jack when not using the unit.

Thumbscrew

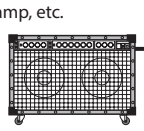
When the thumbscrew is loosened, the pedal will open, allowing you to change the battery.

* 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.

DIRECT OUT jack

Outputs the direct sound. Connect this to your guitar amp, etc.

* Delay sound is output from the OUTPUT Jack.



Guitar amplifier

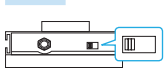
TEMPO jack

Connect a footswitch (sold separately: FS-5U, FS-6, FS-7). You can use a footswitch to enter the tempo.

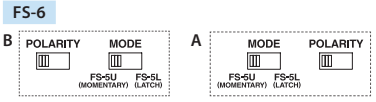
* Only one footswitch can be connected. If you're using the FS-6/FS-7, connect either the A jack or the B jack.
* Make this connection using a 1/4" plug cable (1/4" phone plug ,1/4" phone plug).
* Set the mode/polarity switches as shown in the illustration below.

Footswitch (FS-5U etc.)

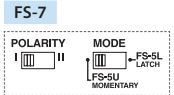
FS-5U



FS-6



FS-7



Pedal switch

Turns the effect or the short loop function on/off.

When setting the delay time to match the tempo of your song (tempo delay), this is used to enter the tempo.

Precautions When Connecting

- 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.
- 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.

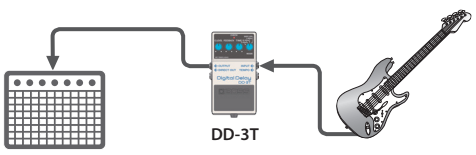
  When powering up
  Turn on the power to your guitar amp last.

  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.

About Output

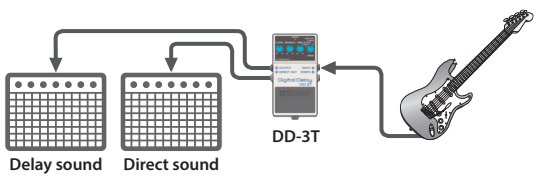
● Connect to the OUTPUT jack only

The direct sound + delay sound is output.



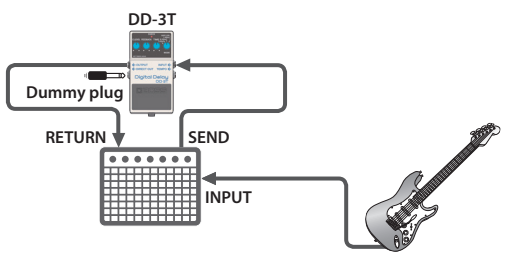
● Connect to the OUTPUT jack and the DIRECT OUT jack

The delay sound is output from the OUTPUT jack, and the direct sound is output from the DIRECT OUT jack.



● Connect to the SEND/RETURN jacks of a guitar amplifier

If you're using this unit in a parallel-connected effect loop, insert a dummy plug into the DIRECT OUT jack so that only the delay sound is output to the RETURN jack.



Using the Tempo Delay

By pressing the pedal switch or an external footswitch several times in rhythm with your song, you can set the delay time to match the tempo of the song (tempo delay)

MEMO

- The delay time range is 133–800 msec (BPM = 75–300).
- The delay time specified by tempo input is maintained until you operate the [TIME] knob.

Using the pedal switch

* If a footswitch (sold separately) is connected to the TEMPO jack, you can't use the pedal switch to enter the tempo.

1. Use the [MODE] knob to specify the note value that will be the basis of the delay time.

MODE	Note length
S. 50ms	Quarter note triplet
M. 200ms	Dotted eighth note
L. 800ms	Quarter note

2. Hold down the pedal switch for two seconds or longer.

The CHECK indicator is lit green, and now you can use the pedal switch to enter the tempo.

* Tempo entry is not possible if the [MODE] knob is set to "SHORT LOOP."

3. Press the pedal switch at quarter-note intervals in synchronization with the tempo of the song.

According to the tempo that you enter, the delay time is set so that it is the length of the note value that you specified with the [MODE] knob.

The CHECK indicator blinks at the specified tempo.

4. To finish inputting the tempo, hold down the pedal switch for two seconds or longer.

Using an external footswitch

Basic operation is the same as when using the pedal switch.

1. Connect a footswitch (sold separately: FS-5U, FS-6, or FS-7) to the TEMPO jack.

2. Use the [MODE] knob to specify the note value that will be the basis of the delay time.

3. Press the footswitch at quarter-note intervals in synchronization with the tempo of the song.

The delay time is set, and the CHECK indicator blinks at the specified tempo.

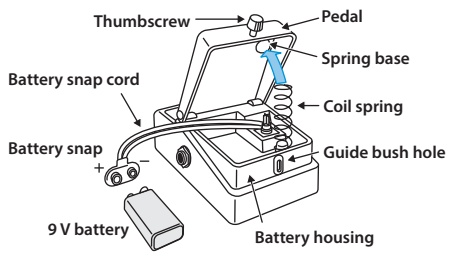
For the USA

SUPPLIER'S DECLARATION OF CONFORMITY
Compliance Information Statement

Model Name : DD-3T
Type of Equipment : Guitar Effects
Responsible Party : Roland Corporation U.S.
Address : 5100 S. Eastern Avenue Los Angeles, CA 90040-2938
Telephone : (323) 890-3700

Changing the Battery

* Batteries should always be installed or replaced before connecting any other devices. This way, you can prevent malfunction and damage.
* 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).



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

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 Specification

BOSS DD-3T: 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	Carbon-zinc battery (9 V, 6F22) or Alkaline battery (9 V, 6LR61) AC adaptor (PSA series: sold separately)
Current Draw	45 mA **Expected battery life under continuous use** Alkaline: Approx. 11.5 hours Carbon: Approx. 3 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 (including battery)	420 g 15 oz
Accessories	Owner's Manual, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information"), Alkaline battery (9 V, 6LR61)
Options (sold separately)	AC adaptor: PSA series Footswitch: FS-5U, FS-6, FS-7

* 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.