

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

- This is a "WAZA CRAFT series" effect unit featuring analog circuitry painstakingly designed in every detail for the best possible sound.
- This is a painstakingly designed analog delay using carefully selected BBD components.
- In addition to the sound of the original DM-2, you'll enjoy a custom tone that's been fully tuned-up by BOSS engineers.

Panel Descriptions

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

- * Use only the specified AC adaptor (PSA series; optional), and connect it to an AC outlet of the correct voltage. Do not use any other AC adaptor, since this may cause malfunction.
- * If the AC adaptor is connected while a battery is installed, the power supply is drawn from the AC adaptor.
- * 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.

CHECK indicator
This indicator shows whether the effect is on or off, and also doubles as the battery check indicator. The indicator lights when the effect is on.

- * If you're powering the unit with a battery and the CHECK indicator goes dim—or doesn't light at all—when you try to turn the effect on, the battery is near depletion and should be replaced. For instructions on changing the battery, refer to "Changing the Battery."

REPEAT RATE knob
Adjusts the delay time. Turning the knob toward the right shortens the delay time.

- * Delay time (maximum)
S (standard): 300 ms, C (custom): 800 ms

INTENSITY knob
Adjusts the number of delay repeats. Turn this knob toward the right to increase the number of repeats. If you turn the knob all the way to the left, a single delay is heard.

- * If you turn the knob all the way to the right, oscillation might occur.

ECHO knob
Adjusts the volume of the delay sound. Turning the knob toward the right makes the delay sound louder. If you turn the knob all the way to the left, only the direct sound is heard.

Mode switch
Switches the tonal character.

S (standard)	The original tone of the DM-2.
C (custom)	A clear, customized tone with an extended delay time.

OUTPUT jack
The direct sound and delay sound are mixed and output from this jack. If a plug is inserted in the DIRECT OUT jack, only the delay sound is output from this jack.

INPUT jack
This jack accepts signals coming from a guitar or other musical instrument, or another effects unit.

- * The INPUT jack doubles as the power switch. Power to the unit is turned on when you plug into the INPUT jack; the power is turned off when the cable is unplugged. To prevent unnecessary battery consumption, be sure to disconnect the plug from the INPUT jack when not using the effects unit.

DIRECT OUT jack
Only the direct sound is output from this jack.

RATE jack
If you connect an expression pedal (Roland EV-5) to this jack, you can use it to control the delay time.

- * Refer to "Caution When Using the RATE Jack."

Pedal switch
This switch turns the effect 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."

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.

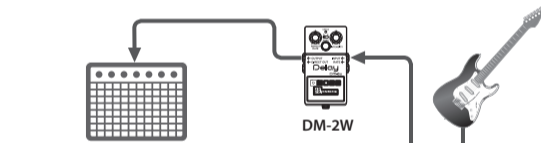
- Due to the characteristics of its analog circuitry, this unit's CHECK indicator may be lit (effect on) or unlit (effect off) when you turn the power on.

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 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.
- If the battery runs extremely low, the sound may distort or the delay time may be shortened, but this does not indicate a malfunction. If this occurs, please replace the battery.

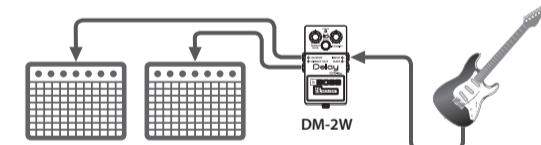
OUTPUT/DIRECT OUT jacks

Connect to only the OUTPUT jack



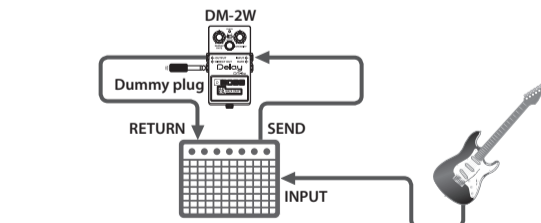
The direct sound + delay sound is output.

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



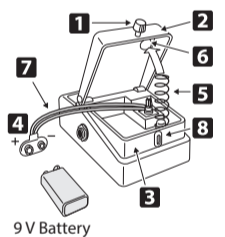
If you're using this unit in a parallel-connected effect loop, insert a dummy plug into the DIRECT OUT jack so that only the delay sound is output to the RETURN jack.

Caution When Using the RATE Jack

- Use only the specified expression pedal (Roland EV-5; sold separately). By connecting any other expression pedals, you risk causing malfunction and/or damage to the unit.
- Use the minimum volume of the EV-5 to specify the maximum delay time, and use the REPEAT RATE knob of the DM-2W to specify the way in which the delay time will change (i.e., the curve of change). Some settings of these knobs might not produce the correct effect. Listen to the sound while you adjust the minimum volume and the REPEAT RATE knob.
- Depending on the setting of the INTENSITY knob, oscillation may occur while you operate the pedal, causing the volume to increase suddenly. Take care to avoid damaging the connected guitar amp or speaker.

Changing the Battery

1. Hold down the pedal and loosen the thumbscrew **1**, then open the pedal **2** upward.
 - * The pedal can be opened without detaching the thumbscrew completely.
2. Remove the old battery from the battery housing **3**, and remove the battery snap **4** connected to it.
3. Connect the battery snap 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 **5** onto the spring base **6** on the back of the pedal, and then close the pedal.
 - * Carefully avoid getting the battery snap cord **7** caught in the pedal, coil spring, and battery housing.
5. Insert the thumbscrew into the guide bush hole **8** and tighten it securely.



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	Alkaline battery (9 V, 6LR61) (9 V, 6F22) or Carbon-zinc battery AC adaptor (PSA series; sold separately)
Current Draw	35 mA * Expected battery life under continuous use: Alkaline: 15 hours Carbon: 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	460 g / 1lb 1 oz (including battery)
Accessories	Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Alkaline battery (9 V, 6LR61)
Options (sold separately)	AC adaptor (PSA-series) Expression pedal: Roland EV-5

* 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.