

DS-1W

Owner's Manual

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Before using this unit, carefully read "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (leaflet "USING THE UNIT SAFELY"). After reading, keep the document(s) where it will be available for immediate reference.

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Panel Descriptions



	Name	Function
1	DC IN jack	Use this jack to connect an AC adaptor (PSA series; sold separately). If you use the AC adapter, you can play for a long time without worrying about running out of battery. * Use only the specified AC adaptor (PSA series; sold separately), and connect it to an AC outlet of the correct voltage. * If the AC adaptor is connected while power is on, the power supply is drawn from the AC adaptor.
2	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. * The brightness of the CHECK indicator (LED) will dim as the battery lowers. Replace the battery when the LED is dim or does not light. For details on how to replace, refer to "3. Changing the Batteries(P.6)".

	Name	Function
3	OUTPUT jack	Connect this jack to your amplifier or effect unit.
4	INPUT jack	Connect the output of your electric guitar, other musical instruments or effect units to this jack. * 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 DS-1W, disconnect the cable that is connected to the INPUT jack. → "Turing the power on/off "
5	Pedal switch	This switch turns the effects ON/OFF.
6	[DIST] knob	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.
7	[LEVEL] knob	Adjusts the volume when the effect is used. * Turn this knob all the way counterclockwise to turn the sound off.
8	[TONE] knob	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.
9	[MODE] knob	Switches between sound variations. ● S (standard): gives a sound that recreates the original DS-1, using a newly-designed circuit. ● C (custom): gives a custom sound that's been tuned up to be more dynamic and thick.

* 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, 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.

Turning the power on

Turn on the power to your amp last.

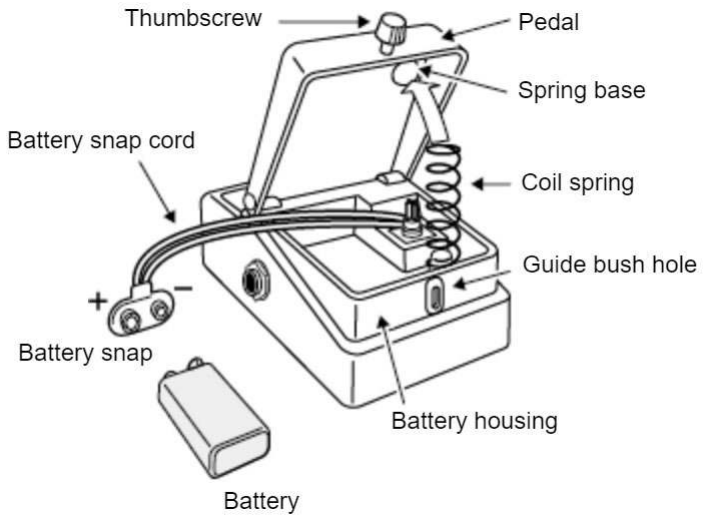
Turning the power off

Turn off the power to your amp first.

Changing the Batteries

When operating on battery power only, the CHECK indicator gets dimmer when battery power gets too low. Replace the batteries as soon as possible.

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



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

   You don't need to take the thumbscrew out completely to open the pedal.

2. **Remove the old battery from the battery housing, and remove the battery snap 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 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, hold down the pedal while tightening the thumbscrew into the guide bush hole.**

Use of 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 the "USING THE UNIT SAFELY" and "IMPORTANT NOTES" leaflets for proper use.**
- **This device contains batteries when shipped from the factory. These are test batteries, which may not last as long as new batteries.**
- **The sound may distort if the batteries are nearly depleted. This is not a malfunction. If this happens, replace the batteries or use the AC adaptor (sold separately).**

Main Specifications

Nominal Input Level	INPUT: -20 dBu
Input Impedance	INPUT: 1 MΩ
Nominal Output Level	OUTPUT: -20 dBu
Output Impedance	OUTPUT: 1 kΩ
Recommended Load Impedance	OUTPUT: 10 kΩ or greater
Bypass	Buffered bypass
Controls	Pedal switch, Mode switch, [DIST] knob, [LEVEL] knob, [TONE] knob
Indicator	CHECK indicator (Serves also as battery check indicator)
Connectors	INPUT jack: 1/4-inch phone type OUTPUT jack: 1/4-inch phone type DC IN jack
Power Supply	Alkaline battery (9 V, 6LR61 or 6LF22) or Carbon-zinc battery (9 V, 6F22) AC adaptor (PSA series: sold separately)
Current Draw	15 mA
Expected battery life under continuous use	Alkaline: Approx. 50 hours Carbon: Approx. 25 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)	430 g 1 lb
Accessories	Leaflet (“USING THE UNIT SAFELY” , “IMPORTANT NOTES” , and “Information”) Alkaline battery (9 V, 6LR61 or 6LF22)
Options (sold separately)	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.

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