

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 MT-2 is compact yet creates powerful effect pedal which, through the use of high-level gain circuits, creates heavy distortion and sustain effects.
- The MT-2 includes a three-band equalizer, Low, Middle and High. The middle band EQ is adopted for parametric type.

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.

AC Adaptor
(PSA series; sold separately)

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.

LEVEL knob
This knob adjusts the volume of the effect sound. Set this knob so that there will be no difference in volume between the effect and straight sounds.

- * No sound will be heard when this knob is rotated completely counterclockwise.

EQUALIZER HIGH knob
This knob controls the tone of the effect sound at higher frequencies. Rotating the knob clockwise boosts the higher frequencies, while rotating it counterclockwise cuts the higher frequencies. Higher frequencies have a variable range of ± 15 dB.

EQUALIZER LOW knob
This knob controls the tone of the effect sound at lower frequencies. Rotating the knob clockwise boosts the lower frequencies, while rotating it counterclockwise cuts the lower frequencies. The lower frequencies have a variable range of ± 15 dB.

OUTPUT jack
Connect an amplifier or other effect unit to this jack.

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."

EQUALIZER MID FREQ knob
This knob sets the frequency of the middle range (200 Hz to 5 kHz). Rotating the knob clockwise raises the frequency. Rotating it counterclockwise lowers the frequency.

- * When the EQUALIZER MID FREQ knob is set to the center position, the EQUALIZER MID FREQ knob does not affect the sound.

EQUALIZER MIDDLE knob
This knob boosts or cuts the frequency you set with the EQUALIZER MID FREQ knob. Rotating the knob clockwise boosts the level of the middle frequencies, while rotating it counterclockwise cuts the level of the middle frequencies.

DIST knob
This knob controls the intensity of the distortion effect. Rotating the knob clockwise increases the distortion level.

- * If you set this knob too high, the noise will increase and oscillation may occur.

INPUT jack
This jack accepts input signals (coming from a guitar, some 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.

Electric Guitar

Precautions When Connecting

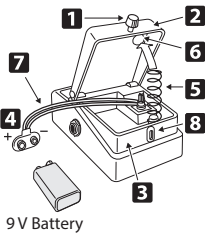
- To prevent malfunction and equipment failure, always turn down the volume, and turn off all the units before making any connections.
 - Once the connections have been completed, turn on power to your various devices in the order specified. By turning on devices in the wrong order, you risk causing 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.

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.

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.



Operating the Unit

1. When you have made the necessary connections, set the knobs as shown in the illustration.
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2. Press the Pedal Switch. Make sure the CHECK indicator lights.
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3. Adjust the level of distortion using the DIST knob. Rotating the knob clockwise increases the distortion level while rotating it counterclockwise decreases it.
- * If this knob is set too high, the noise will increase and oscillation may occur.
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4. Adjust the tone of the middle range with the EQUALIZER MIDDLE knob. Rotating the knob clockwise boosts the frequency while rotating it counterclockwise cuts it.
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5. Set the middle frequency (to be boosted or cut) with the EQUALIZER MID FREQ knob.
- * When the EQUALIZER MIDDLE knob is set to the center position, moving the EQUALIZER MID FREQ knob does not affect the sound.
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6. Adjust the tone of the high range with the EQUALIZER HIGH knob. Rotating the knob clockwise boosts the higher frequencies while rotating it counterclockwise cut them.
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7. Adjust the tone of the low range with the EQUALIZER LOW knob. Rotating the knob clockwise boosts the lower frequencies while rotating it counterclockwise cut them.
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8. Using the LEVEL knob, adjust the volume of the effect sound so that there will be no difference in volume between the effect and straight sounds.
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Main Specifications

Nominal Input Level	-20 dBu
Input Impedance	1 M Ω
Nominal Output Level	-20 dBu
Output Impedance	1 k Ω
Recommended Load Impedance	10 k Ω 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: 12.5 hours Alkaline: 23.5 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	385 g / 14 oz (including battery)
Accessories	Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Carbon-zinc battery (9 V, 6F22)
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.