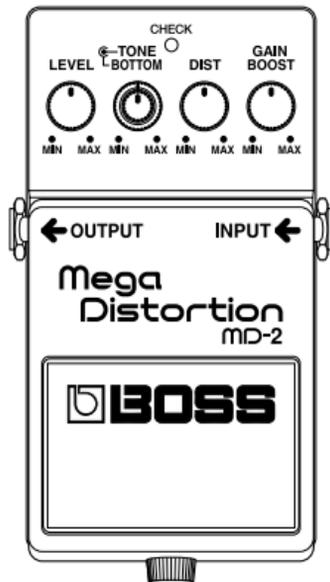


# MD-2 Mega Distortion

## Owner's Manual



**BOSS**<sup>®</sup>

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Thank you, and congratulations on your choice of BOSS MD-2 Mega Distortion.

Before using this unit, carefully read the sections entitled: "USING THE UNIT SAFELY" and "IMPORTANT NOTES" (separate sheet). These sections provide important information concerning the proper operation of the unit. Additionally, in order to feel assured that you have gained a good grasp of every feature provided by your new unit, this manual should be read in its entirety. The manual should be saved and kept on hand as a convenient reference.

*\* A battery is supplied with the unit. The life of this battery may be limited, however, since its primary purpose was to enable testing.*

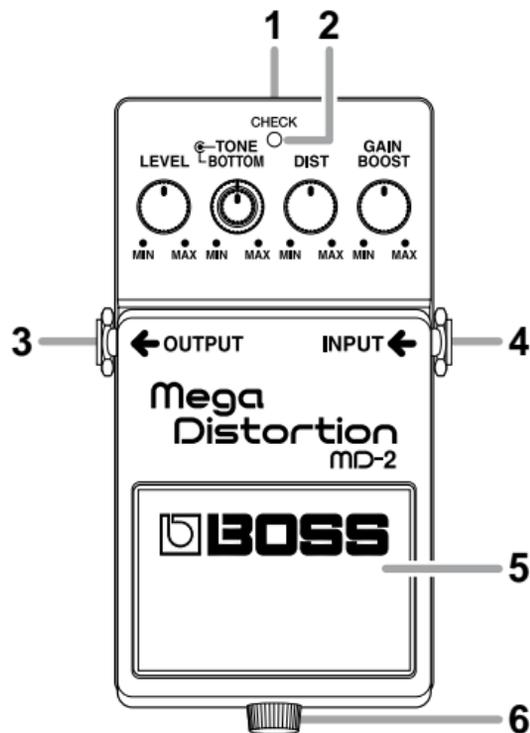
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## Features

- This new distortion unit delivers straight, powerful distortion sounds.
- Two knobs, “GAIN BOOST” and “DIST,” allow you to create a wide variety of distortion sounds, from mild to extreme.
- You can use the “BOTTOM” knob to get sound with more emphasis on the low end.

# Panel Description



## 1. AC Adaptor Jack

Accepts connection of an AC Adaptor (optionally available BOSS PSA-Series). 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), and make sure the line voltage at the installation matches the input voltage specified on the AC adaptor's body. Other AC adaptors may use a different polarity, or be designed for a different voltage, so their use could result in damage, malfunction, or electric shock.
- \* If there are batteries in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout or power cord disconnection).
- \* As soon as you connect the AC adaptor, the unit is turned on.

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## 2. CHECK Indicator

This indicator shows whether an effect is ON/OFF, and also 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. For instructions on how to replace the battery, please refer to “Changing the Battery (p. 10).”*
- \* The CHECK indicator is designed for providing information about effects—such as their on/off status. It does not indicate whether the power is on or off.*

## 3. OUTPUT Jack

The OUTPUT jack is used to connect the unit to an amplifier or another device.

## 4. 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.*

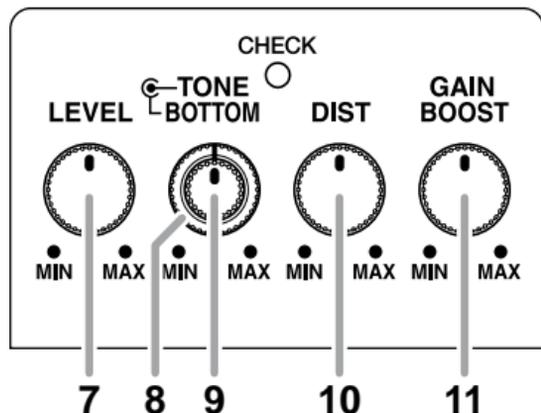
## 5. Pedal Switch

This switch turns the effects ON/OFF.

## 6. Thumbscrew

This thumbscrew is loosened to open the pedal, allowing battery replacement.

- \* For instructions on how to replace the battery, please refer to “Changing the Battery (p. 10).”*



## 7. LEVEL Knob

This knob adjusts the level of the effect sounds.

## 8. BOTTOM Knob

Adjusts the amount of boost in the low end. The lower frequencies are emphasized more as the knob is turned clockwise.

## 9. TONE Knob

This controls the tone.

Rotating the knob counterclockwise will make the sound milder, while rotating it clockwise will make the sound sharper.

## 10. DIST (Distortion) Knob

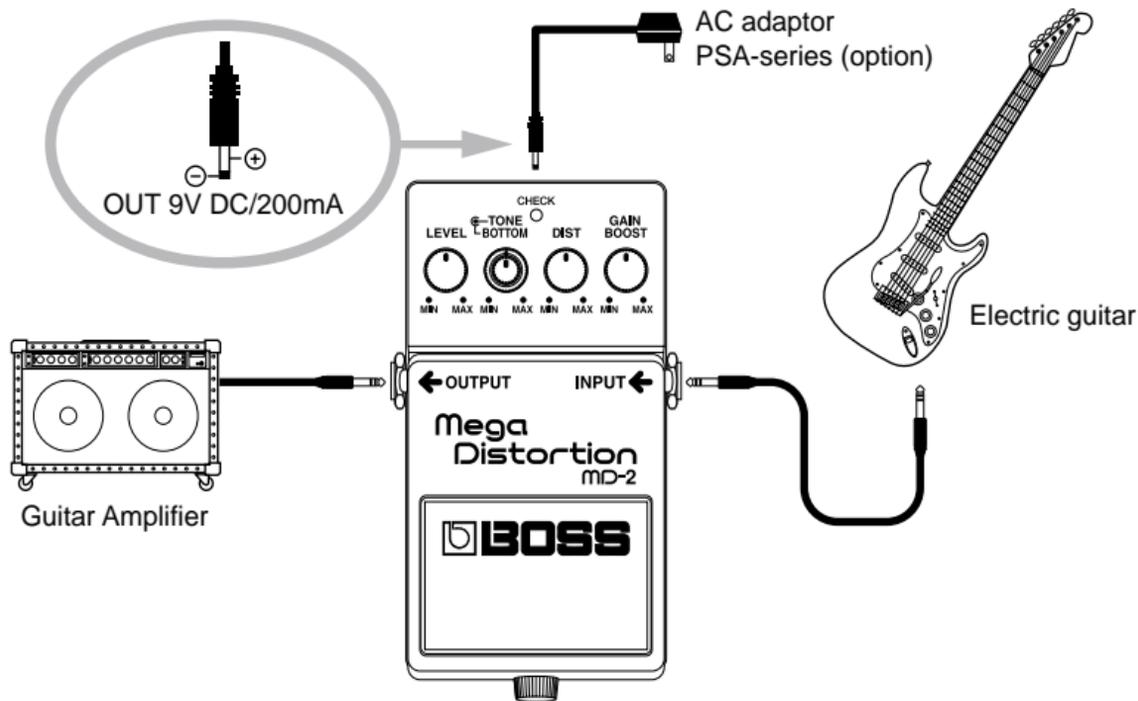
This adjusts the amount of distortion.

Rotating it clockwise increases the effect, whereas counterclockwise rotation reduces the effect.

## 11. GAIN BOOST Knob

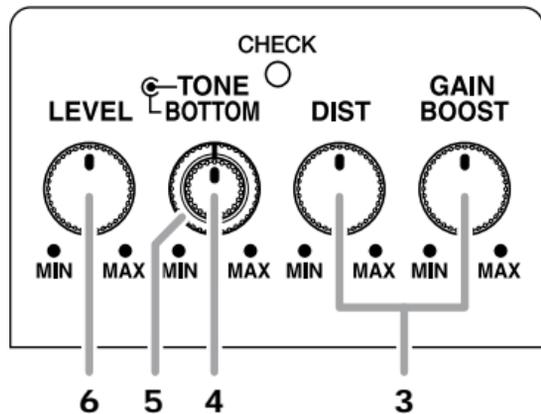
Adds even more distortion, in addition to that obtained with the DIST knob setting. The further clockwise you turn the knob, the more powerful the distortion gets, creating sounds that are really expansive.

# Connections



- \* *Inserting a plug into the INPUT Jack will automatically switch the unit on.*
- \* *To prevent malfunction and/or damage to speakers or other devices, always turn down the volume, and turn off the power on all devices before making any connections.*
- \* *If there are batteries in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout or power cord disconnection).*
- \* *Once the connections have been completed (p. 7), 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.*
- \* *Always make sure to have the volume level turned down before switching on power. Even with the volume all the way down, you may still hear some sound when the power is switched on, but this is normal, and does not indicate a malfunction.*
- \* *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.*

# Operating the Unit



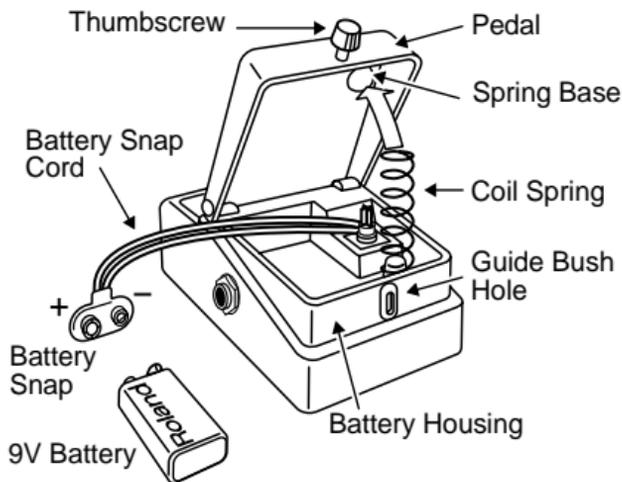
1. When you have made the necessary connections, set the knobs as shown in the illustration.
2. Depress the pedal switch to turn the effect on. (Make sure the CHECK indicator lights.)

3. Adjust the depth of the Distortion effect using the DIST knob and GAIN BOOST knob.  
*\* Turning both knobs all the way up will result in increased noise.*
4. Adjust the tone using the TONE knob.
5. Adjust the degree of low-end boost with the BOTTOM knob.
6. Adjust the LEVEL knob so that the level of the sound obtained when the effect is on is equal to that obtained when it is off.

## Changing the Battery

When the indicator goes dim or no longer lights while an effect is on, it means that the battery is nearly dead and must be replaced.

Replace the battery following the steps below.



1. Loosen the thumbscrew at the front of the pedal, then lift the pedal upwards to open the unit.
  - \* *The thumbscrew can be left in the pedal while changing the battery.*
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, then close the pedal.
  - \* *Carefully avoid getting the snap cord caught in the coil spring.*
5. Finally, insert the thumbscrew into the guide bush hole and fasten it securely.

# Troubleshooting

## Power won't come on/ CHECK indicator doesn't light:

- **Is the specified adaptor (PSA-series; sold separately) properly connected?**  
Check the connection once more (p. 7).
- **Is the battery low or dead?**  
Replace with a new battery (p. 10).
- **Is the guitar connected properly to the INPUT jack?**  
Check the connection once more (p. 7).
  - \* *To prevent excess battery drainage, turn the power on without the plug inserted in the INPUT jack.*
  - \* *The battery that was supplied with the unit is for temporary use-intended primarily for testing its operation. For using the unit for more extended periods of time, we recommend the use of alkaline batteries.*

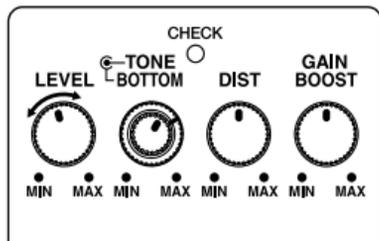
\* *The CHECK indicator is designed for providing information about effects—such as their on/off status. It does not indicate whether the power is on or off.*

## No sound / Low volume:

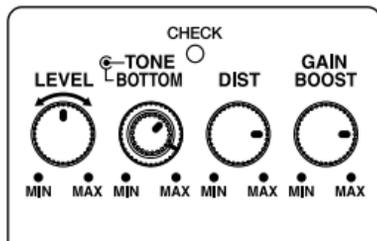
- **Is the MD-2 properly connected to your instrument?**  
Check the connection once more (p. 7).
- **Could the LEVEL knob be turned too far down?**  
The further counterclockwise you turn the LEVEL knob, the more the volume is reduced when the effect is on. Turn the LEVEL knob clockwise.
- **Is the volume turned down on any guitar amp or effects device you have connected?**

# Setting Samples

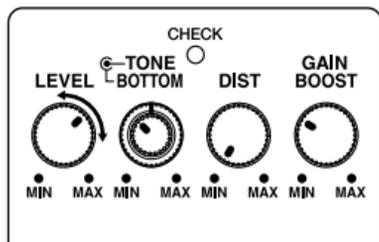
## MD-2 Standard Sound



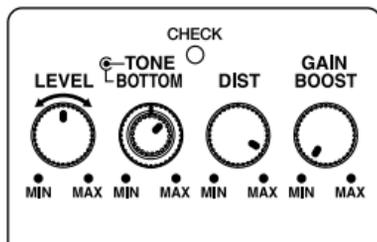
## Powerful Low Boost



## Overdrive



## Solid Distortion



# Specifications

## MD-2: Mega Distortion

Nominal Input Level.....-20 dBu

Input Impedance.....1 M  $\Omega$

Nominal Output Level.....-20 dBu

Output Impedance .....1 k  $\Omega$

Equivalent Input Noise Level....-110 dBu (IHF-A, Typ.)

Controls.....Pedal Switch, GAIN BOOST Knob, DIST (distortion) Knob,  
TONE Knob, BOTTOM Knob, LEVEL Knob

Indicator .....CHECK Indicator (Serves also as battery check indicator)

Connectors.....INPUT Jack, OUTPUT Jack, AC Adaptor Jack (DC 9 V)

Power Supply .....DC 9 V; Dry battery (9 V type) S-006P/9 V (6F22/9 V)  
Dry battery (9 V type) 6AM6/9 V (alkaline)  
AC Adaptor (PSA-series: optional)

Current Draw .....18 mA (DC 9 V)

\* *Expected battery life under continuous use:*

*Carbon: 18 hours*

*These figures will vary depending on the actual conditions of use.*

## Specifications

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Dimensions.....	70 (W) x 125 (D) x 55 (H) mm 2-3/4 (W) x 4-15/16 (D) x 2-3/16 (H) inches
Weight.....	410 g/ 15 oz (including battery)
Accessories.....	Owner's Manual, Leaflet ("USING THE UNIT SAFELY," "IMPORTANT NOTES," and "Information") Dry battery (9 V type) S-006P/9 V (6F22/9 V) <i>* The battery that was supplied with the unit is for temporary use-intended primarily for testing its operation.</i>
Options.....	AC Adaptor: PSA-series

*\* 0 dBu = 0.775 Vrms*

*\* In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.*



**For EU Countries**  
This product complies with the requirements of  
European Directive 89/336/EEC.



**BOSS Corporation**

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