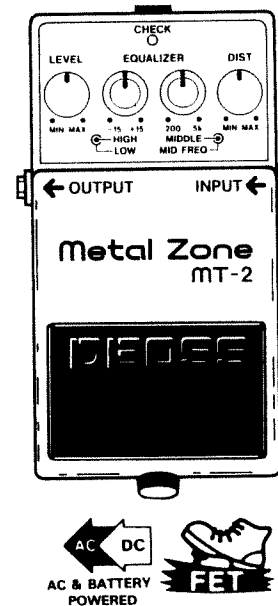


# **BOSS** **MT-2** Metal Zone

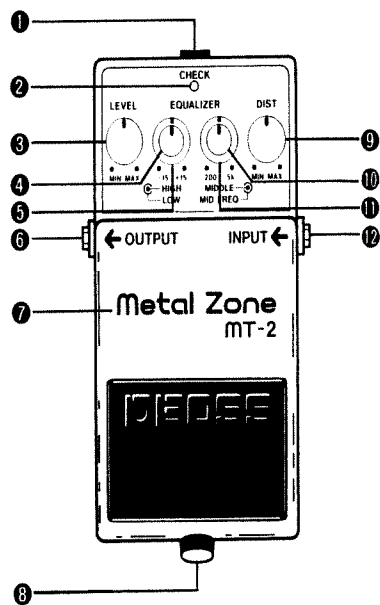
## INSTRUCTIONS

Thank you for purchasing the BOSS MT-2 Metal Zone. To make the best use of the MT-2, please read the instructions carefully.

- 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 of the parametric type.



## PANEL DESCRIPTION



### 1 AC Adaptor Jack

Connect an AC adaptor ( BOSS PSA-120, 220 or 240 depending on the line voltage in your country ) to this jack.

\* Be sure to use a BOSS AC adaptor PSA-120, 220 or 240. Use of any other type may cause damage or malfunction.

### 2 Check indicator

This LED lights when the effect is turned on, and therefore can be used as an effect on/off indicator.  
\* The Check Indicator also serves as battery check. When the LED becomes dim or does not light at all, battery replacement is required.

### 3 Level Control 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.

### 4 High Level Control 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  $\pm 15$  dB.

### 5 Low Level Control 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  $\pm 15$  dB.

### 6 Output Jack

Connect an amplifier or other effect unit to this jack.

### 7 Pedal Switch

Pressing the pedal turns the effect on and off.

### 8 Thumb Screw

Loosen the screw to open the cover for battery replacement. ( For a detailed explanation of battery replacement, see "BATTERY REPLACEMENT". )

\* Do not remove the screw from the cover, or you may lose it.

### 9 Distortion Control 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.

### 10 Middle Level Control Knob

This knob boosts or cuts the frequency you set with the Middle Frequency Control Knob 11. Rotating the knob clockwise boosts the level of the middle frequencies, while rotating it counterclockwise cuts the level of the middle frequencies.

### 11 Middle Frequency Control Knob

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

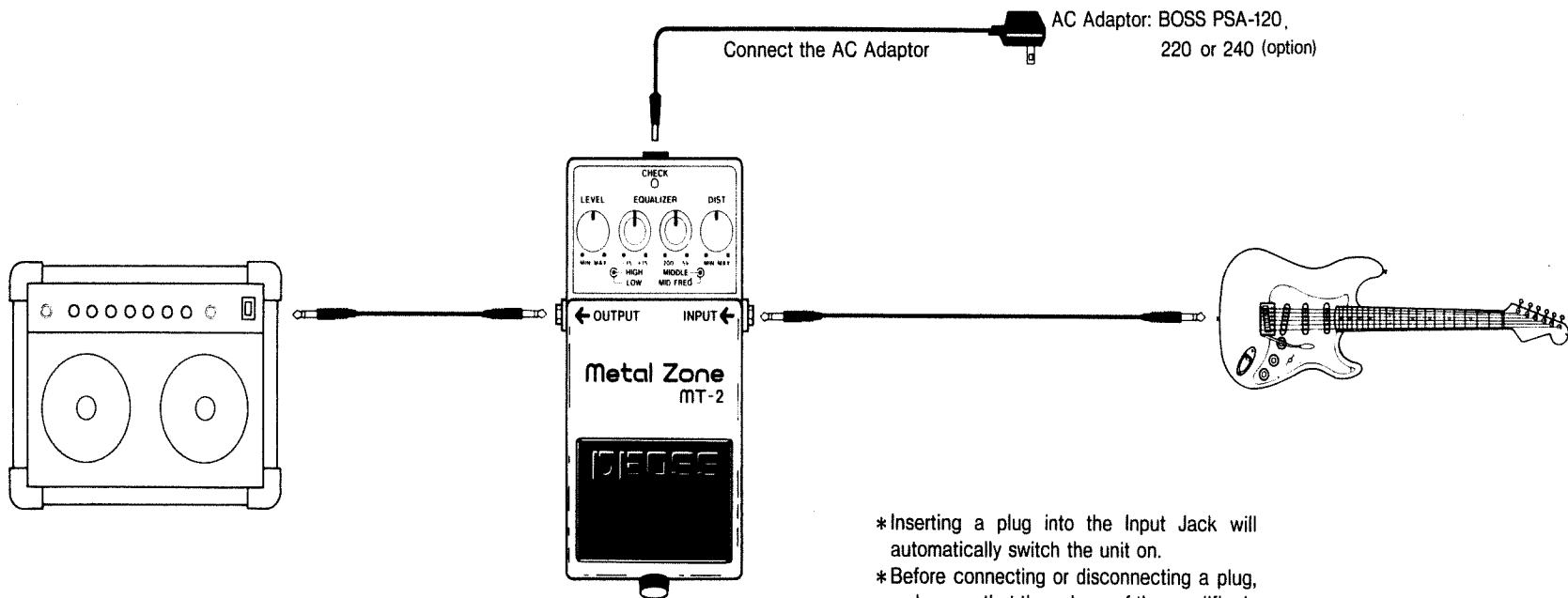
\* When the Middle Level Control Knob is set to the center position, the Middle Frequency Control Knob does not affect the sound.

### 12 Input Jack

Connect an electric or electronic musical instrument ( such as an electric guitar ) to this jack.

\* Inserting a plug into this jack will automatically switch the unit on. Be sure to disconnect the plug from this jack when the unit is not being used.

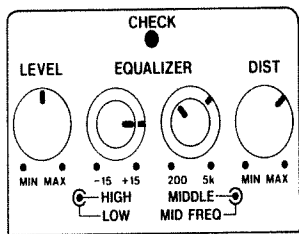
## CONNECTIONS



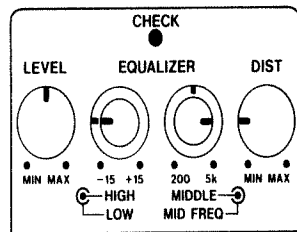
- \* Inserting a plug into the Input Jack will automatically switch the unit on.
- \* Before connecting or disconnecting a plug, make sure that the volume of the amplifier is turned down.

# SAMPLE SETTINGS

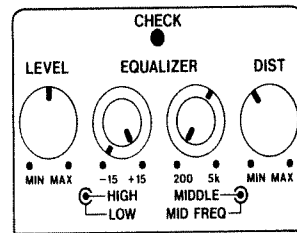
### Heavy Metal



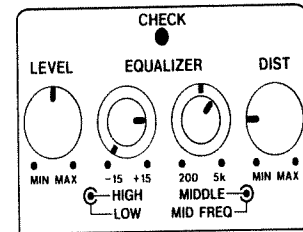
### Overdrive



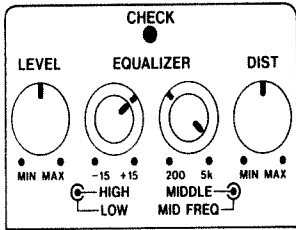
### British Rock



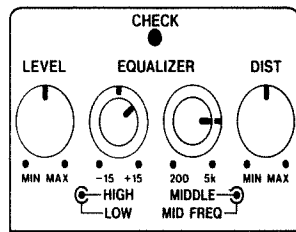
### Rock'n'roll



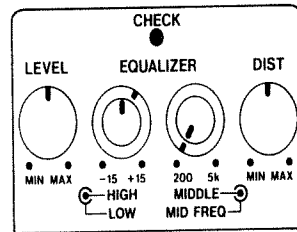
### Hard Rock



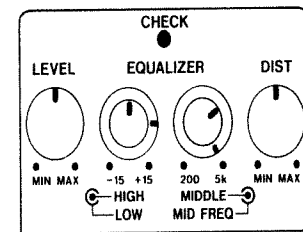
### Fuzz



### Rock 1

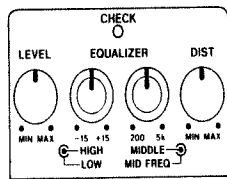


### Rock 2

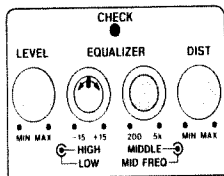


## OPERATION

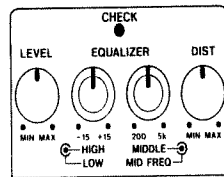
- ① Make all the necessary connections, then set the controls on the panel as shown below.



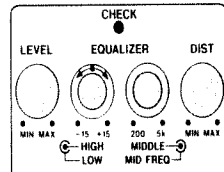
- ⑥ Adjust the tone of the high range with the High Level Control Knob ④. Rotating the knob clockwise boosts the higher frequencies while rotating it counterclockwise cuts them.



- ② Press the Pedal Switch ⑦. Make sure the Check Indicator lights.

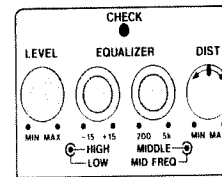


- ⑦ Adjust the tone of the low range with the Low Level Control Knob ⑤. Rotating the knob clockwise boosts the lower frequencies while rotating it counterclockwise cuts them.

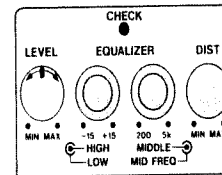


- ③ Adjust the level of distortion using the Distortion Control Knob ⑧. Rotating the knob clockwise increases the distortion level while rotating it counterclockwise decreases it.

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



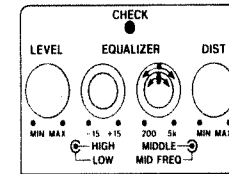
- ⑧ Using the Level Control Knob ③, adjust the volume of the effect sound so that there will be no difference in volume between the effect and straight sounds.



- ④ Adjust the tone of the middle range with the Middle Level Control Knob ⑩. Rotating the knob clockwise boosts the frequency while rotating it counterclockwise cuts it.

- ⑤ Set the middle frequency ( to be boosted or cut ) with the Middle Frequency Knob ⑪.

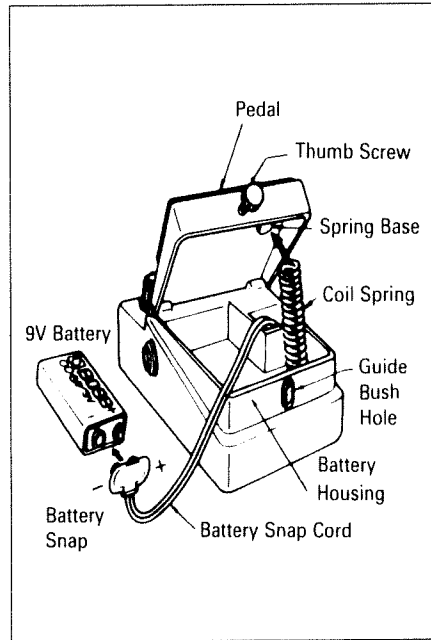
\* When the Middle Level Control Knob is set to the center position, moving the Middle Frequency Control Knob does not affect the sound.



## ■ BATTERY REPLACEMENT

- ① Loosen the thumb screw on the pedal to open it.
- ② Take out the battery from the battery housing and disconnect the battery snap.
- ③ Connect a new battery to the battery snap, then replace the battery in to the battery housing.  
\* Make sure that the polarity of the battery is correct.
- ④ Push the coil spring into the spring base on the rear of the pedal, then close the pedal.  
\* Make sure that the snap cord is not caught in the pedal or coil spring.
- ⑤ Insert the thumb screw into the guide bush hole and firmly tighten the screw.

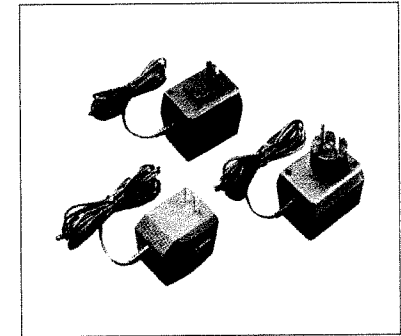
### Use one 9-volt battery



## ■ IMPORTANT NOTES

- Do not subject the unit to temperature extremes (eg. direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas or areas that are subject to high vibration levels.
- Remove the battery whenever the unit is not going to be used for an extended period of time.
- When operating solely on a battery, the unit's indicator becomes dim when the battery is depleted. Replace the battery immediately.
- If there is a battery in the unit while an AC adaptor is being used, normal operation will continue should the line voltage be interrupted (power blackout) or the power cord become disconnected.
- Should a malfunction occur (or if you suspect there is a problem) discontinue use immediately. Contact

qualified service personnel as soon as possible.



● OUT: 9VDC / 200mA

## ■ SPECIFICATIONS

**Controls** : Pedal Switch, Distortion, Middle Level, Middle Frequency,  
High Level, Low Level, Level

**Indicator** : Check Indicator (serves also as battery check indicator)

**Jacks** : Input Jack, Output Jack, AC Adaptor Jack

**Input Impedance** :  $1M\Omega$

**Output Impedance** :  $1k\Omega$

**Recommended Load Impedance** :  $10k\Omega$  or greater

**Input Equivalent Noise** : Less than  $-110\text{dBm}$  ( IHF-A ) ( Equalizer Control knob : center )  
 $0\text{ dBm}=0.775\text{ V}$

**Power Supply** : DC9V: Dry Battery (9V type), AC Adaptor ( PSA-120, 220 or 240 : option )

**Current Draw** : 20mA ( DC9V)

**Dimensions** : 70(W) × 125(D) × 55(H)mm / 2-3/4" × 2-3/16" × 4-15/16"

**Weight** : 410g / 15 oz

**Accessories** : Instructions, Dry Battery S-006P/9V (6F22/9V)

**Options** : AC Adaptor; PSA-120, PSA-220, PSA-240

Dry Battery; S-006P/9V (6F22/9V), 6AM6/9V (alkaline)

\* The specifications for this product are subject to change without prior notice.



Printed in Taiwan '95-9-D3-11C

 Roland®

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UPC

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 **BOSS**