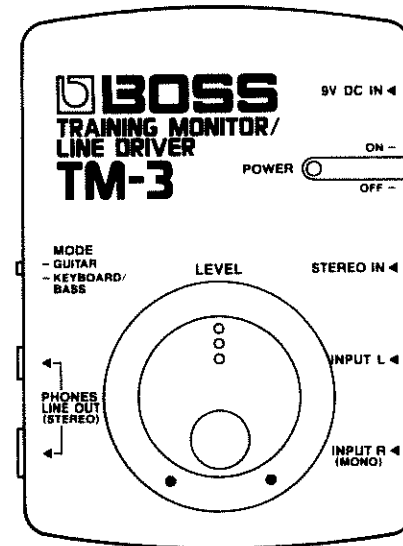


BOSS **TM-3** TRAINING MONITOR/ LINE DRIVER

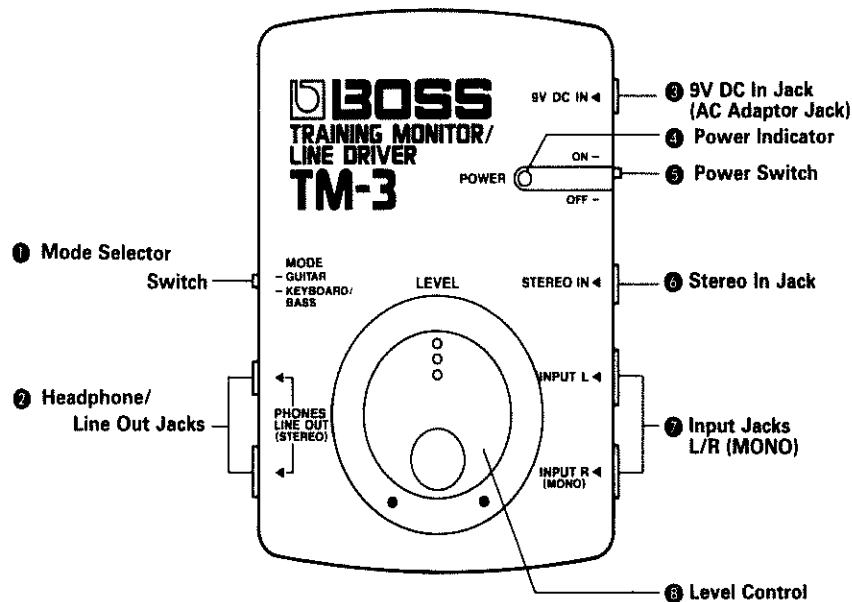
Thank you for purchasing the BOSS TM-3.
Please read the instructions carefully.

INSTRUCTIONS

- The BOSS TM-3 is a headphone amplifier that allows you to connect a headphone stereo, CD player etc. and play the guitar or keyboard to the performance of the connected unit.
- Featuring stereo inputs, the TM-3 can be directly connected to a stereo keyboard or stereo effects (e.g. reverb, chorus).
- Provided with guitar amplifier simulation circuits, the TM-3 creates exceedingly realistic guitar sound. This also can be used as a line driver that can be directly connected to a mixer or audio equipment.
- This unit features two types of headphone jacks; mini and standard phone types which can be simultaneously used if you like.



PANEL DESCRIPTION



1 Mode Selector Switch

This switches the Guitar mode and Keyboard/Bass mode. When using a guitar, set this to the Guitar mode. The Guitar mode turns the unit to a guitar line driver that creates such sounds as processed in a guitar amplifier. When using a keyboard or bass guitar, set this switch to the Keyboard/Bass mode, so that flat characteristics are obtained.

What is a Line Driver?

When an electric guitar is directly connected to a mixer or audio equipment, or headphones are used, the sound will be too metallic and unusual for comfortable listening. To resolve this, the TM-3 features guitar simulation circuits to create sounds similar to those processed through a guitar amplifier.

2 Headphone/Line Out Jacks

Connect headphones to this jack. Both mini and standard phone type jacks are provided to match the plug of your headphones. It is also possible to use both jacks simultaneously. If you wish to use this jack for a Line Output to connect a mixer or audio equipment, use the optional stereo cord PCS-31 for stereo output.

3 9V DC IN Jack (AC Adaptor Jack)

Connect an optional AC adaptor (BOSS PSA-120, 220, or 240) to this jack for AC operation.

* Using the AC adaptor, you can enjoy long and stable operation without having to worry about the battery's life.

4 Power Indicator

This lights up when the unit is switched on. It also serves as a battery check. When it becomes dimmer or does not light at all, battery replacement is required.

5 Power Switch

6 Stereo In Jack

Signals from headphone stereo or CD player can be fed into the TM-3 through this jack. Using the supplied stereo mini cord, connect here and you can hear the performance of a cassette tape or CD in stereo.

* Adjust the volume on the headphone stereo or CD player.

7 Input Jacks L/R (MONO)

Connect an electric/electronic musical instrument such as electric guitar or effect unit.

* To connect a stereo effects (e.g. reverb, chorus) or stereo keyboard, use both L and R jacks.

To connect an electric guitar/bass or a monaural effects, use input R jack (MONO).

* When two instruments are connected, the Level Control works on both L and R, so you must adjust the balance on both instruments.

8 Level Control

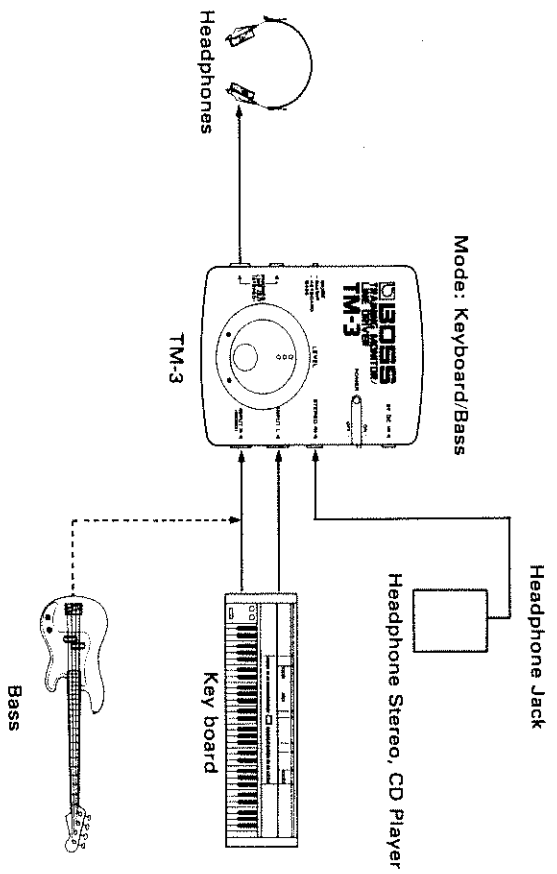
This controls the input level. Clockwise rotation increases the volume and counter-clockwise rotation decreases it.

* If the instrument sound is distorted, lower the Level Control.

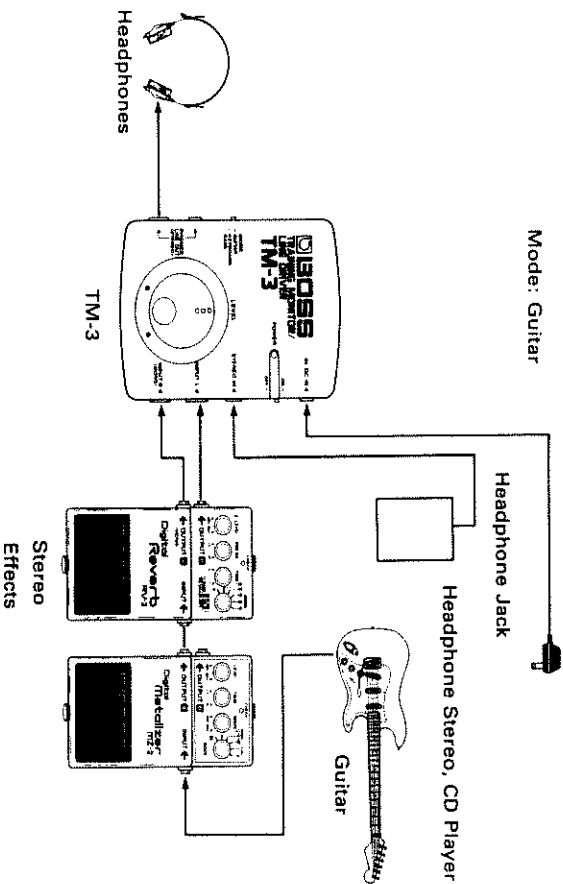
* The Level Control does not affect the volume of instruments connected to the Stereo In.

■ CONNECTIONS

When using the unit as a training monitor



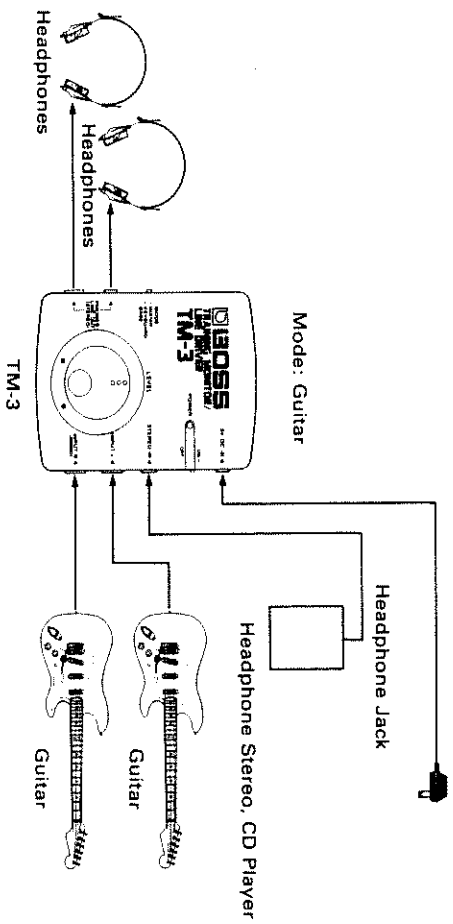
AC Adaptor BOSS PSA-120, 220 or 240 (Optional)



To connect a monaural effects or a monaural output instrument, use Input R (MONO) jack.

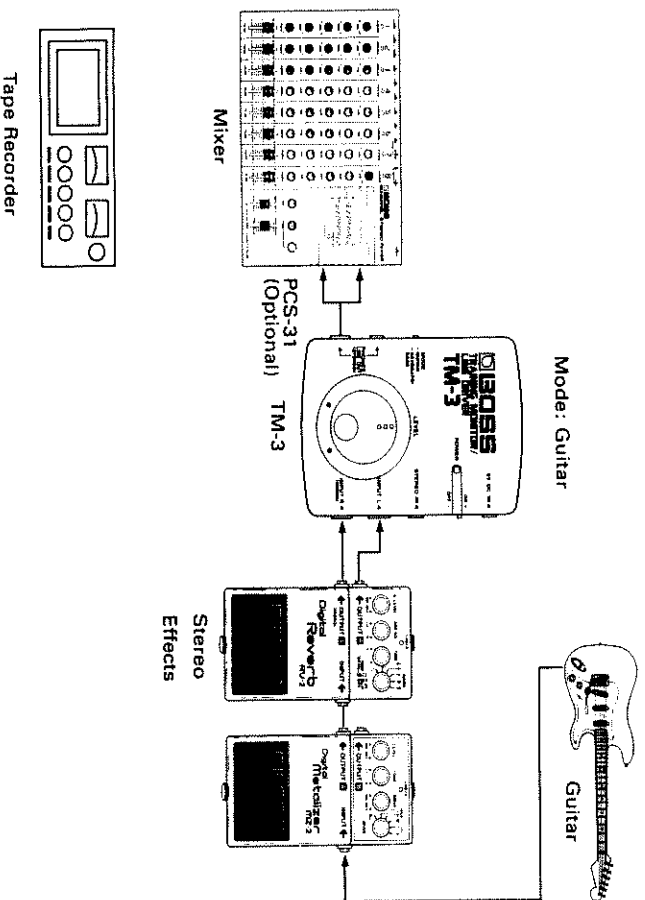
When two persons are using the unit as a training monitor.

AC Adaptor BOSS PSA-120, 220 or 240 (Optional)



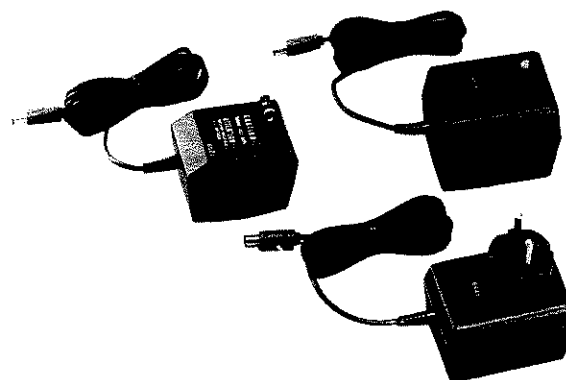
The sound of the instrument connected to Input L is heard from the left and the sound of the instrument connected to Input R is heard from the right.

When connecting the unit directly to a mixer or audio equipment to use as a line driver.



■ AC Adaptor

- For AC operation, be sure to use the BOSS AC adaptor PSA-120, 220 or 240 depending on the voltage system in your country.
- If the unit is not to be used for a long period of time, unplug the cord from the socket.



BOSS AC Adaptor PSA-120, 200 or 240 (Optional)

BATTERY REPLACEMENT

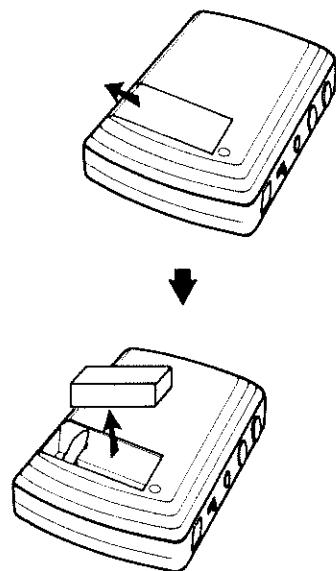
If the battery voltage drops, various symptoms appear, such as the Check Indicator lights dimmer, the sound is distorted, etc.

To prevent that, replace the battery immediately.

[How to replace battery]

* Use a 6F22 9V battery.

- ① Press and Slide the battery cover at the bottom of the unit to remove it.
- ② Take out the battery from the battery box, then disconnect the battery snap cord from the battery.
- ③ Connect a new battery to the battery snap cord, then replace the battery into the battery box.
* Make sure that the polarity of the battery is correct.
- ④ Replace the battery cover securely.



SPECIFICATIONS

- **Power**
9V DC 6F22 Dry Battery, AC Adaptor
(BOSS PSA-120, 220, or 240 : optional)
- **Current Draw**
15mA (at no signal)
50mA (at the maximum)
- **Control**
Level
- **Switches**
Power, Mode Selector
- **Jacks**
Stereo In (Stereo, mini)
Input L (monaural, standard)
Input R (monaural, standard)
Headphone (Stereo, mini/Stereo, standard)
9V DC In (AC Adaptor)
- **Indicator**
Power (Battery Check)
- **Equivalent Input Noise**
- 110dBm (IHF-A)
- **Maximum Output**
+5dBm
- **Input Impedance**
Input L/R : 1M Ω
Stereo In : 8.5k Ω
- **Optimum Headphones Impedance**
8 Ω - 100 Ω
- **Dimensions**
88 (W) \times 30 (H) \times 120 (D) mm
3-7/16" \times 1-3/8" \times 4-3/4"
- **Weight**
160g/6oz (Including the battery)
- **Accessory**
Mini Stereo Cord (50cm \times 1)
- **Options**
AC Adaptor (BOSS PSA-120, 220 and 240)
Stereo Cord (PCS-31)
<Standard stereo plug \longleftrightarrow Standard
monaural plug (\times 2)>
Headphones (RH-100, RH-12)

* Specifications are subject to change without notice.


Products of Roland

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■ IMPORTANT NOTES

- When the unit is not in use for a long period, remove the battery to prevent trouble caused by battery leakage.
- Avoid using this device in excessive heat or humidity conditions, or where it may be affected by direct sunlight or dust and avoid places subject to high vibration.
- Before setting up this TM-3 with other devices, turn this unit off along with all other units.
- Operating the unit near a neon light, fluorescent lamp, TV or CRT Display may cause noise interference. If so, change the angle or the position of the unit.
- Do not use solvents such as paint thinner when cleaning.
- Do not examine or modify the internal components or circuitry. Electrical shocks or damage may result.
- If this unit fails to operate correctly, turn it off immediately and contact your Roland dealer.
- If you switch the unit on or off with the volume of the mixer or audio amplifier set high, the speaker may be damaged because of the excessive strain. Be sure to switch the unit on or off with the volume set to the minimum level.

 Roland®

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UPC 2603090200



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