INSTRUCTIONS

Thank you, and congratulations on your choice of this product. To make sure you get the most out of the LM-2B BASS LIMITER, and enjoy continuing satisfaction as a result of operating it under the best of conditions, please thoroughly read these instructions.

- The LM-2B Bass Limiter is an effects unit which, by suppressing the unwanted transients (peaks) in the input, eliminates the uneveness in sound volume, and creates a well-balanced sound that is free of distortion. When playing using styles such as popping and slapping, the balance of the volume is improved since the peaks are suppressed.
- Since the unit has been designed to provide the best possible effects when a bass guitar is used, there is no loss in sound quality or reduction in clarity.
- Adoption of a high-performance VCA virtually eliminates deterioration in the sound quality. On top of this, the unit is designed with low-noise in mind.
- Extremely natural limiting has been achieved thanks to a high-speed envelope detection circuit.
- Since the unit is equipped with an enhancer, the sound is defined more clearly, and becomes more alive.
**Panel Description**

1. **AC Adaptor Jack**
   - The jack accepts connection of the AC Adaptor (BOSS PSA 120, 220 or 240; optional).
   - NEVER use any other AC adaptor (PSA Series). Use of any other AC adaptor can cause operational errors or damage to the unit.

2. **Level Knob**
   - Adjusts the level of what is output when the effect is applied. Should be adjusted so there is no difference in volume between the time when the effect is on and when it is off.
   - [+] : The level of the output is increased.
   - [-] : The level of the output is decreased. When the knob is moved fully counterclockwise, no enhancement effect at all is applied.

3. **Threshold Knob**
   - This knob provides adjustment over the level at which the suppression of the input signal will begin. Whenever a signal which exceeds this level has been set using this knob, the threshold level is input, the output up to the threshold level is suppressed. Signals that are below the threshold level are output as is.
   - [+] : The threshold level is raised, and suppression of high-powered input signals takes place.
   - [-] : The threshold level is lowered, and the limiter effect is strengthened.

4. **Output Jack**
   - This jack is used for connecting to the amplifier or other effects devices.
   - **Thump Switch**
   - Used to turn the effect on or off.

5. **Enhance Knob**
   - By adding upper range sound portions, the sound is defined more clearly, and becomes more alive.
   - [+] : The enhancement effect becomes more pronounced.
   - [-] : The enhancement effect is reduced. When the knob is moved fully counterclockwise, no enhancement effect at all is applied.

6. **Check Indicator**
   - Lights up when the effect is on, allowing you to confirm if the effect is on or off.
   - This indicator also serves as the Battery Check Indicator. When it becomes dim, or no longer lights, this means that the battery has been depleted and needs to be replaced with a new one.

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**Connections**

- Connect the AC adaptor jack
- AC Adaptor
  - BOSS
  - PSA Series

- When a plug is inserted into the Input jack, the power is turned on.
**OPERATION**

1. Once you have all cords connected, the knobs on the panel should be set as shown in the illustration.
2. Depress the pedal switch, thus turning the effect on. The Check Indicator will light up.
3. Using the Threshold knob, adjust the level at which the limiter will begin to take effect.
4. Using the Level knob, adjust the level of the output. It should be adjusted so that there is no difference in volume when the effect is turned on or off.
5. Use the Enhance knob to adjust the amount of upper-range sound that will be applied. The further the knob is moved clockwise, the greater will be the amount of sound in the upper-range that is applied, and thus the sound's definition will become more distinct.

**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 into the battery housing.
4. Push the coil spring into the spring base on the rear of the pedal, then close the pedal.
5. Make sure that the snap cord is not caught in the pedal or coil spring.
6. 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 (e.g., 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 black-out) 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

Power Supply: 9V DC battery, 6F22(×1); AC Adaptor (PSA Series)
Current Draw: 16mA (9V DC)
Controls: Threshold, Enhance, Level
Switch: Effect On/Off
Indicator: Effect On/Off (serves also as battery check indicator)
Jacks: Input, Output, AC Adaptor
Residual Noise: Less than -90dBm (IH-A)
              (LEVEL, ENHANCE Knobs: Center)
Input Impedance: 1MΩ
Output Load Impedance: More than 10kΩ
Dimensions: 70 (W) x 55 (H) x 125 (D) mm
             2-3/4" x 2-3/16" x 4-15/16"
Weight: 400g/14oz.

* Specifications are subject to change without notice.

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