GLX®

a division of galaxy industries

BLM-1 BASS LIMITER

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OWNER'S MANUAL

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INSTRUCTIONS

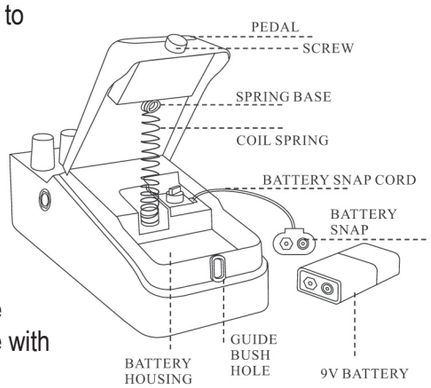
Thanks for purchasing our product. In order to make the best use of your BLM-1, please read the following carefully.

FEATURES

The BLM-1 is a limiter specifically designed for electric bass guitar. It is used to limit harsh, transient peaks. By adjusting the THRESHOLD level and RATIO knob for precise tonality shaping, you can even out the bass guitar signal.

BATTERY REPLACEMENT

1. Loosen the screw on the pedal to open it.
2. Remove the battery from the battery compartment and disconnect the battery cable.
3. Connect a new battery to the battery cable and put it back in the battery compartment. Make sure that the polarity of the battery is correct and the battery cable does not interfere with the spring or pedal cover.
4. Push the coil spring into the spring base and close the pedal.
5. Insert the thumb screw into the guide bush hole and firmly tighten the screw.

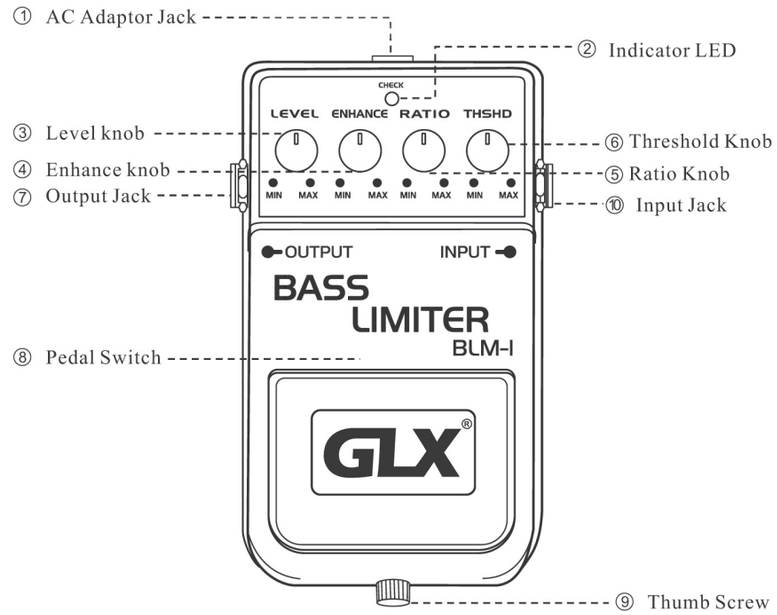


IMPORTANT NOTES

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Do not use this apparatus near water.
5. Clean only with dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves or any other apparatus (including amplifiers) that create heat.
8. WARNING: to reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
9. Protect the power cord from being walked on or being pinched.
10. Unplug this apparatus when unused for long periods of time.
11. There are no user serviceable parts inside. All servicing has to be done by qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power supply cord or plug is damaged, when liquid has been spilled or objects have fallen into the apparatus, when the apparatus has been exposed to rain or moisture, when the apparatus does not operate normally or when it has been dropped.

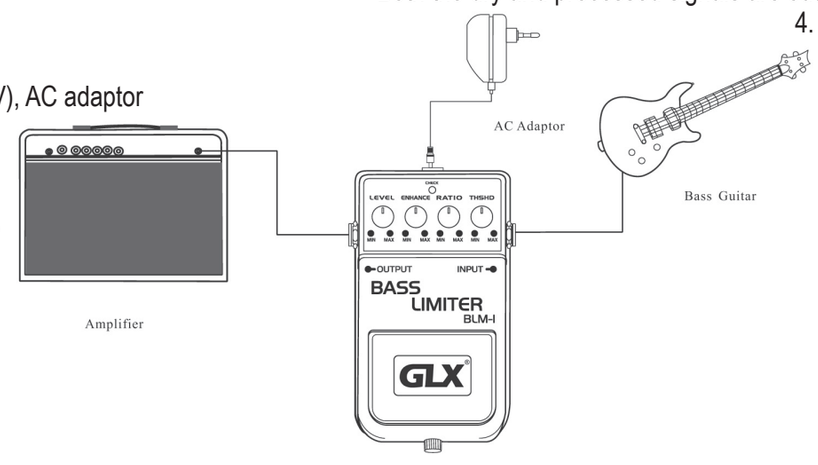
PANEL DESCRIPTION

1. AC Adaptor Jack: Connect an AC adaptor (100-140V/50-60Hz).
   An AC adaptor allows long and secure operation without worrying about battery life.
   Use the proper supply for your area's Mains line voltage.
2. Indicator LED: This LED indicates when the effect is turned on.
   - Operating on battery power only: when the LED becomes dim or does not light the battery needs to be replaced.
3. Level Knob: Use this control to adjust the output level of the effect.
4. Enhance Knob: Use this control to adjust the intensity of the effect.
5. Ratio Knob: Use this control to adjust the compression ratio of the limiter.
6. Threshold: Use this control to adjust the threshold level.
7. Output Jack: Use the jack to connect an amplifier or other units.
8. Pedal: Press the pedal to turn the effect on and off.
9. Thumb Screw: Loosen the screw to open the pedal for battery replacement. (For details of the battery replacement, see "BATTERY REPLACEMENT")
10. Input Jack: Connect your instrument to this jack. To prolong battery life, disconnect all cables from the pedal when it's not in use.



SPECIFICATIONS

Normal Input Level	-20dBu
Input Impedance	1MΩ
Normal Output Level	-20dBu
Output Impedance	1kΩ
Recommended Load Impedance	10kΩ or greater
Residual Noise	-85dBu (IHF-A, Typ.)
Power Supply	DC 9V; Dry Battery (6F22/9V), AC adaptor
Connections	Input, Output, AC Adaptor
Controls	Pedal Switch, Level, Enhance, Ratio, Threshold
Indicator	Check indicator (serves also as battery check indicator)
Current Draw	14mA, (DC 9V)
Dimensions	72*128*60 mm.
Weight	390g (no battery)
Option	AC adaptor

CONNECTIONS

1. Connecting an instrument to this jack will automatically switch the unit on. Be sure to disconnect the cord from this jack when the unit is not being used.
2. Before connecting or disconnecting any instrument, make sure that the volume of the amplifier is turned down.
3. The output jack is to connect an amplifier or other units for mono use. Both the dry and processed signals are output.
4. When you use a high output guitar, the sound may be distorted. If distortion occurs, turn down the volume of the guitar or use a limiter.