

BOSS

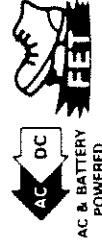
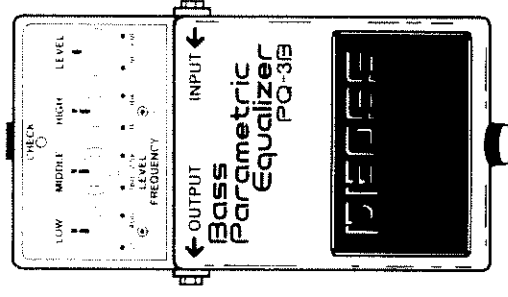
PQ-3B

Bass Parametric
Equalizer

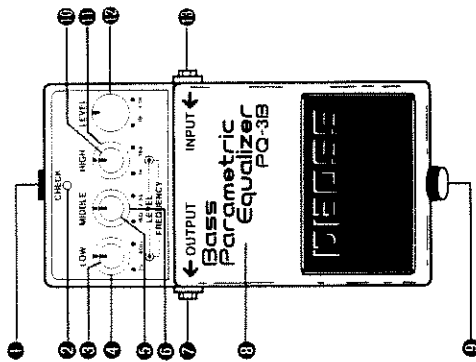
INSTRUCTIONS

Thank you for purchasing the BOSS PQ-3B Bass Parametric Equalizer. To make the best use of the PQ-3B, please read the instructions carefully.

- The PQ-3B is a three-band bass parametric equalizer that features Low, Middle and High bands.
- Each band allows you to set the frequency and level for more spontaneous sound creation.
- Each band has a variable range of ± 18 dB, for boosting and cutting, resulting in more dynamic sound creation.
- The PQ-3B features a wide variable frequency band; 25Hz to 16kHz, specially for an electric bass guitar.
- The Level Control knob allows you to correct the volume difference between the effect and straight sounds, and can also be used for adjusting the input level of different musical instruments such as a keyboard.



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 the 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 **Low Level Control Knob**
This knob boosts or cuts the frequencies (25Hz to 400 Hz) you set with the Low Frequency Control knob 4 . Rotating the knob clockwise boosts the low frequencies, while rotating it counterclockwise cuts the low frequencies. The low frequencies have a variable range of ± 18 dB.
- 4 **Low Frequency Control Knob**
This knob sets the frequency in the low range (25Hz to 400 Hz). Rotating the knob clockwise

raises the center of the frequency band to a maximum of 400Hz. Rotating it counterclockwise lowers the center of the frequency band to a minimum of 25Hz.
* When the Low Level Control Knob is set to the center position, the Low Frequency Control Knob does not affect the sound.

5 **Middle Level Control Knob**
This knob boosts or cuts the frequencies (160Hz to 2.5kHz) you set with the Middle Frequency Control knob 6 . Rotating the knob clockwise boosts the middle frequencies, while rotating it counterclockwise cuts the middle frequencies. The middle frequencies have a variable range of ± 18 dB.

6 **Middle Frequency Control Knob**
This knob sets the frequency in the middle range (160Hz to 2.5kHz). Rotating the knob clockwise raises the center of the frequency band to a maximum of 2.5kHz. Rotating it counterclockwise lowers the center of the frequency band to a minimum of 160Hz.
* When the Middle Level Control Knob is set to the center position, the Middle Frequency Control Knob does not affect the sound.

7 **Output Jack**
Connect an amplifier or other effect unit to this jack.

8 **Pedal Switch**
Pressing the pedal turns the effect on and off.

9 **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 loose it.

10 **High Level Control Knob**
This knob boosts or cuts the frequencies (1kHz to 16kHz) you set with the High Frequency Control knob 11 . Rotating the knob clockwise boosts the high frequencies, while rotating it counterclockwise cuts the high frequencies. The high frequencies have a variable range of ± 18 dB.

11 **High Frequency Control Knob**
This knob sets the frequency in the high range (1kHz to 16kHz). Rotating the knob clockwise raises the center of the frequency band to a maximum of 16kHz. Rotating it counterclockwise lowers the center of the frequency band to a minimum of 1kHz.

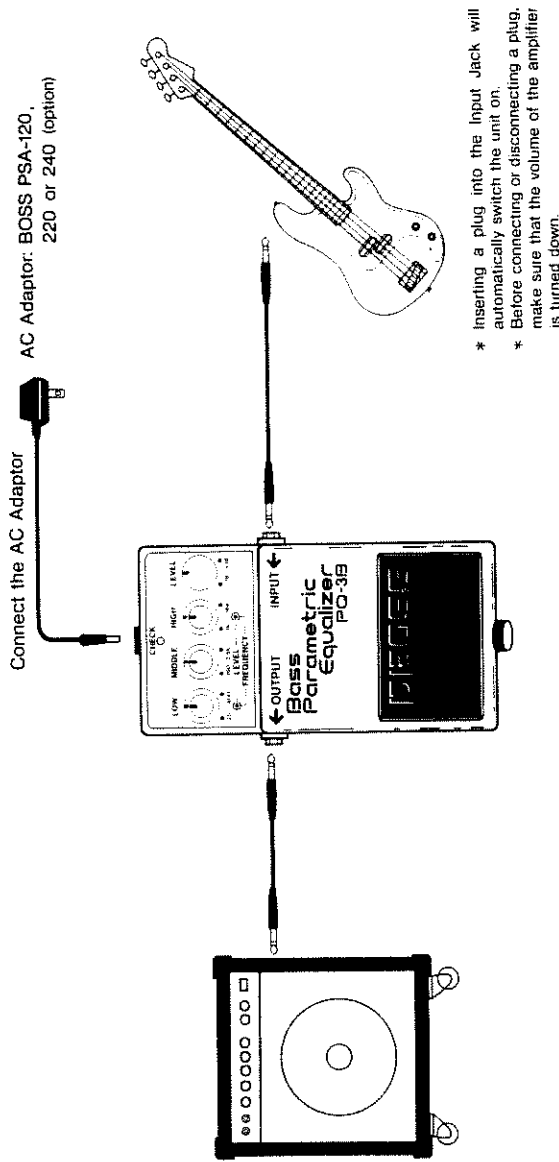
* When the High Level Control Knob is set to the center position, the High Frequency Control Knob does not affect the sound.

12 **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. Rotating the knob clockwise increases the volume of the effect sound by up to +18dB. Rotating it counterclockwise lowers the volume of the effect sound by up to -18dB. When it is set to the center position, the volume remains unchanged.

* This control knob is situated before the equalizer circuit and therefore can be used for adjusting the input level of the connected instrument.

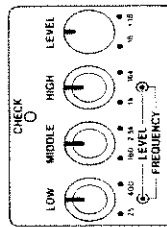
13 **Input Jack**
Connect an electric or electronic musical instrument (such as an electric bass guitar) to this jack.
* Inserting a plug into this jack will automatically switch the unit on. Be sure to disconnect the plug from this jack when the unit is not being used.

CONNECTIONS

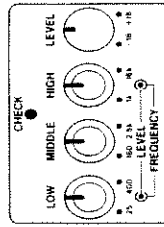


OPERATION

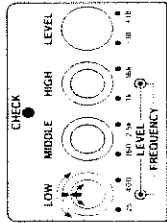
- 1: Make all the necessary connections, then set the controls on the panel as shown below.



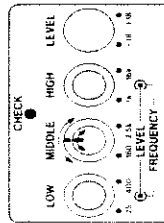
- 2: Press the Pedal Switch (1). Make sure the Check indicator lights.



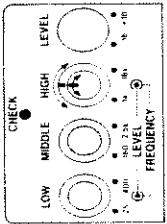
- 3: Set the center of low frequency with the Low Frequency Control Knob (4) (25Hz to 400Hz). Adjust the level using the Low Level Control Knob (3).



- 4: Set the middle frequency center with the Middle Frequency Control Knob (5) (160Hz to 2.5kHz). Adjust the level using the Middle Level Control Knob (4).

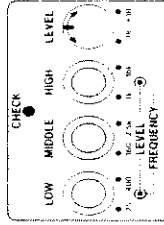


- 5: Set the center of high frequency with the High Frequency Control Knob (6) (1kHz - 16kHz). Adjust the level using the High Level Control Knob (5).

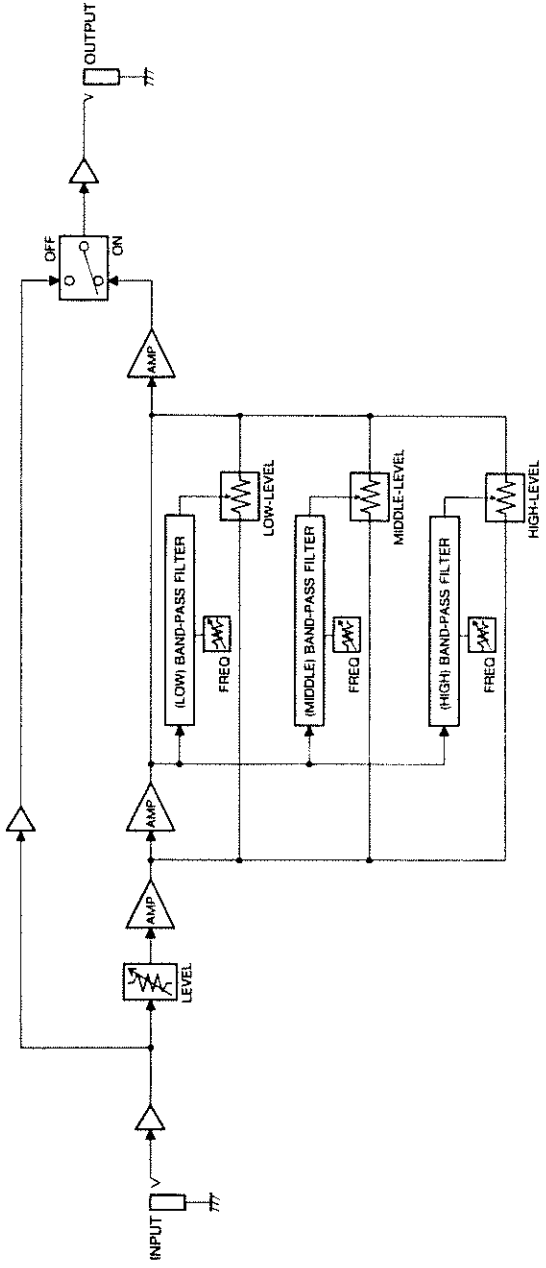


- 6: Using the Level Control Knob (2), adjust the volume of the effect sound so that there will be no difference in volume between the effect and straight sounds.

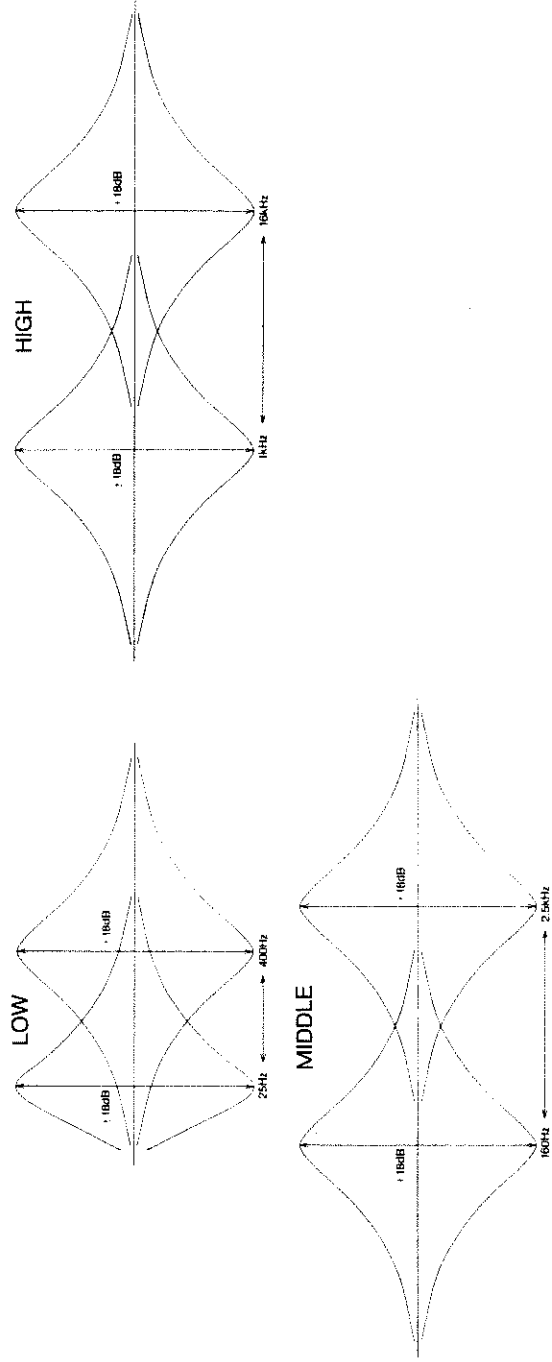
* The Level Control Knob (2) can also be used for adjusting the volume when the output sound is distorted because it is excessively boosted.



BLOCK DIAGRAM



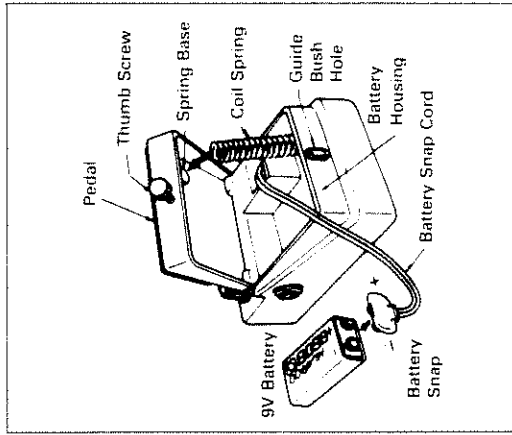
FREQUENCY CHARACTERISTICS OF EACH BAND



■ 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.

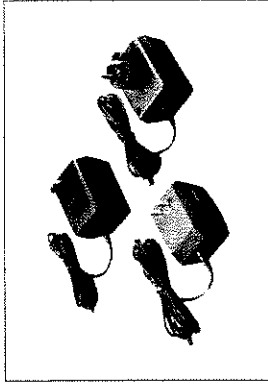
Use one 9-volt battery



■ IMPORTANT NOTES

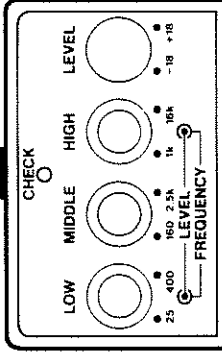
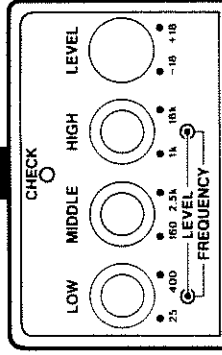
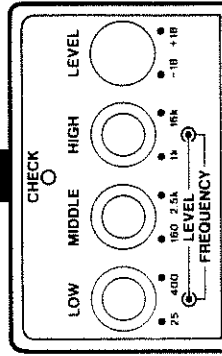
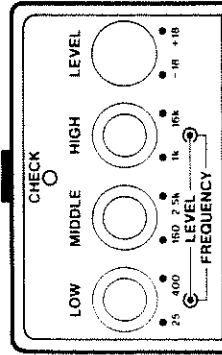
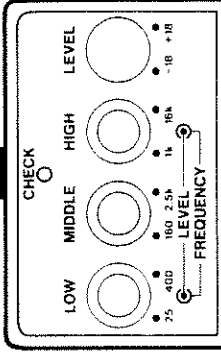
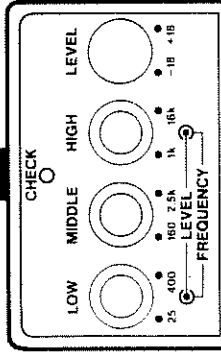
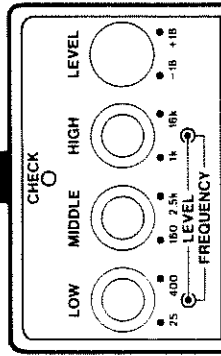
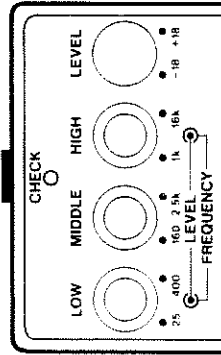
- Do not subject the unit to temperature extremes (eg. direct sunlight in an enclosed vehicle). Avoid using or storing the unit in dusty or humid areas or areas that are subject to high vibration levels.
- Remove the battery whenever the unit is not going to be used for an extended period of time.
- 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 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

SETTING MEMO





26047482RT

UPC 26047482RT



1999

■ SPECIFICATIONS

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

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

Jacks : Input Jack, Output Jack, AC Adaptor Jack

Input Impedance : 1M Ω

Output Impedance : 1k Ω

Recommended Load Impedance : 10k Ω or greater

Residual Noise : -98dBm or less (IHF-A) (all controls : center) 0 dBm=0.775 V

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

Current Draw : 25mA (DC9V)

Dimensions : 70(W) x 125(D) x 55(H)mm / 2-3/4" x 2-3/16" x 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.



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