

Ibanez

**P E N T A T O N E
P R E A M P**

OWNER'S MANUAL

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ENGLISH

Before using this device, be sure to read this manual thoroughly for safe use of it. After that, keep this manual in a safe place and read it whenever necessary.

Safety Precautions == Be sure to observe the following precautions ==

In order to use this device properly, the contents to be observed are explained, classified as follows.

- The severities of the injury and damage due to incorrect usage by ignoring the written contents are explained by the following classified indications.

 Warning	Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury.
 Cautions	Indicates a potentially hazardous situation which, if not avoided, will result in injury or property damage.

- The contents to be observed are explained, being classified by the following pictograms.

 ...This pictogram shows a compulsory action, something that you must do.

  ...This pictogram shows a prohibition, something that you must not do.

 ...This pictogram shows a notice, something that you need to be alerted to.

Warnings



Never disassemble or modify the device



In case of an abnormality such as smoke, burning smell or abnormal sound, immediately stop using the device.



Immediately unplug the AC adapter from the outlet.



Do not operate with wet hands. <<A short circuit or an electric shock may occur.>>

Cautions



Be sure to use the specified AC adapter.

<<Using an unspecified AC adapter may cause a fire or an electric shock.>>



Do not store or use the device in places such as a bath or outdoors where water splashes.

Also do not use it in places of high humidity, places with a lot of dust, or at high temperatures.

<<A fire, an electric shock or a failure may occur.>>



Do not store in places of excessive vibrations

<<It may cause a failure.>>

Cautions



When not in use for a long time, be sure to unplug the AC adapter from the outlet for safety.
<<A fire may occur.>>



Do not apply excess force, drop nor give strong physical impact
<<A failure or injury may occur.>>



Do not use thinner, alcohol, and the like for cleaning
<<It may cause a failure.>>

=== Observe the following instructions with a product that uses a battery ===

Warnings



Do not throw a battery into a fire.
<<A burst, heat generation and a fire may occur.>>

Cautions

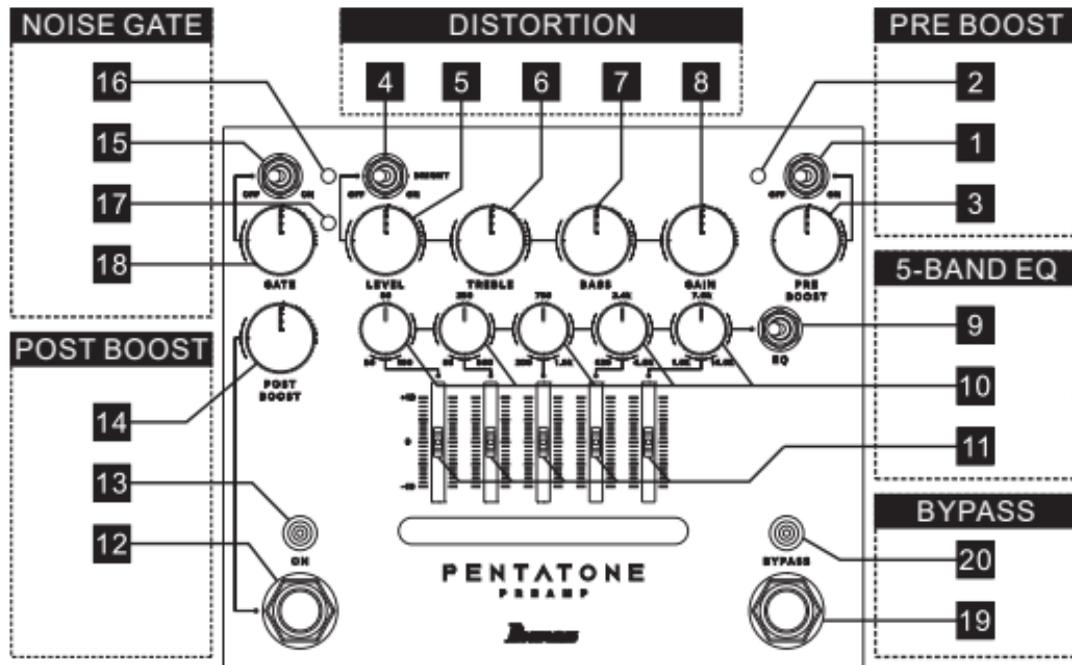


Mount a battery with its polarities +/- set correctly.
<<It may cause a failure.>>

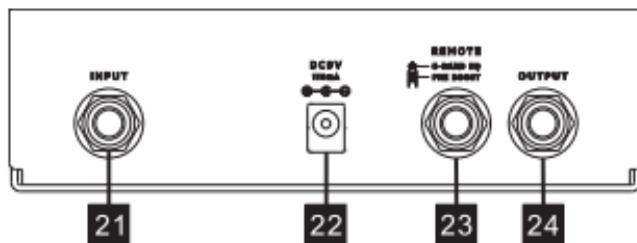


Remove the battery when not in use for a long time.
<<Liquid leak may cause a failure.>>

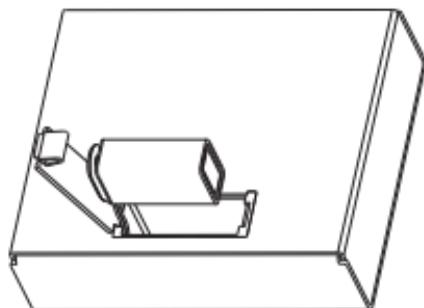
TOP PANEL



REAR PANEL



CHANGING THE BATTERY



Unplug the instrument when not in use to prolong the battery life. When battery power is running low, LEDs on the top panel gets dim or does not light. Replace the battery.

OPERATION

PRE BOOST

- 1 On/off switch**
Turns the PRE BOOST function on/off.
- 2 Indicator**
Red LED lights when the PRE BOOST is turned on.
- 3 PRE BOOST**
Controls the boost level.
When turning this knob all the way to the left, no sound outputs.

DISTORTION

- 4 BRIGHT**
Boosts the high frequencies.
- 5 LEVEL**
Controls the overall output volume.
- 6 TREBLE**
Controls the high frequency level.
- 7 BASS**
Controls the bass frequency level.
- 8 GAIN**
Controls the amount of distortion.

5-BAND EQ

9 On/off switch

Turns the 5-BAND EQ function on/off. When the 5-BAND EQ is turned on, blue LEDs on the slider light up.

10 Frequency

Selects the center frequency of each band to be boosted or cut. Regarding the frequency range of each band, refer to the specification table.

11 Slider

Controls the amount of boost or cut that applied to each frequency band. Each slider provides boost or cut up to ± 10 dB.

POST BOOST

12 On/off switch

Turns the POST BOOST function on/off.

13 Indicator

Red LED lights when the POST BOOST is turned on.

14 POST BOOST

Controls the boost level, which is adjustable between 0-11dB.

NOISE GATE

15 On/off switch

Turns the NOISE GATE function on/off.

16 Indicator red

Red LED lights when the NOISE GATE is turned on.

17 Indicator green

Green LED will light up when the gate is working.

18 GATE

Controls the threshold level that engages the mute circuitry.

This sets the limit for when the gate will take effect and start to decrease or mute the signal. Turning the knob clockwise, increases the threshold which means the signal will be muted faster.

BYPASS

19 On/off switch

True bypass switch turns the PENTATONE PREAMP on/off.

20 Indicator

Red LED lights when the PENTATONE PREAMP is turned on.

21 INPUT

Connects an instrument, such as a guitar or the output of another effect device, via a shielded cable. Plugging into this jack automatically puts power to the unit.

22 EXT DC input

Be sure to use a center negative external DC 9V power supply. (AC/DC adapter etc.) When using this jack, the internal battery is switched off.

23 REMOTE

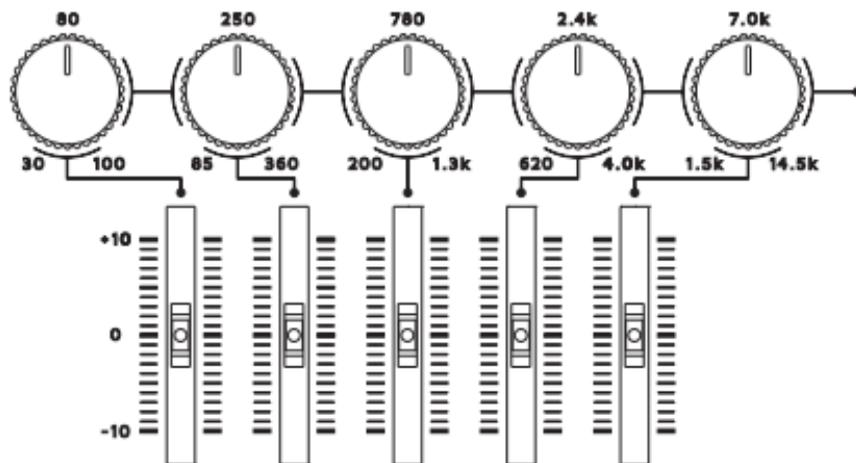
Connect the Ibanez IFS2L footswitch (sold separately). You can turn the PRE BOOST and the 5-BAND EQ on/off remotely. When the footswitch is connected, the toggle switches on the pedal for the PRE BOOST and the 5-BAND EQ ON/OFF are disabled.

24 OUTPUT

Connects an amp or another effect pedal, via a shielded cable.

Specifications of 5-BAND EQ

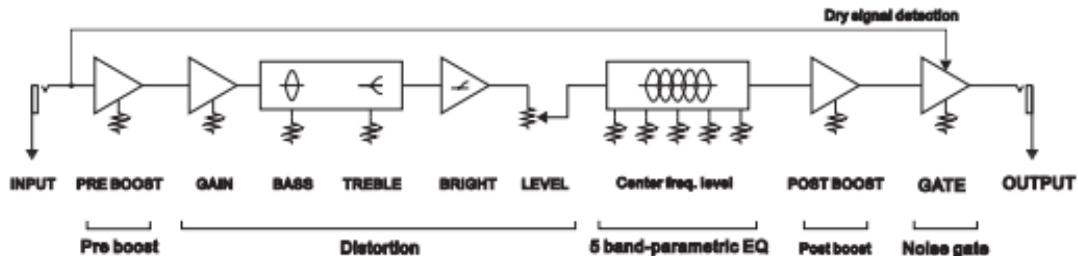
Freq. band	Lo	Low mid	Mid	High mid	High
Max	100Hz	360Hz	1.3kHz	4.0kHz	14.5kHz
Center	80Hz	250Hz	780Hz	2.4kHz	7.0kHz
Min	30Hz	85Hz	200Hz	620Hz	1.5kHz



Specifications

Input Impedance	300k ohms
Output Impedance	1k ohms
Maximum Output Level	+7.2 dBu
Power Supply	One 9V Battery (006P) or external AC Adapter (Use DC9V ⊕ ⊖)
Required Current	110 mA@9V
Size [mm]	146mmW x 128mmD x 59mmH
Size [inch]	5.8"W x 5.0"D x 2.3"H
Weight	1.0kg, 2.2lb (Including Battery)

System Block Diagram





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CA**



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