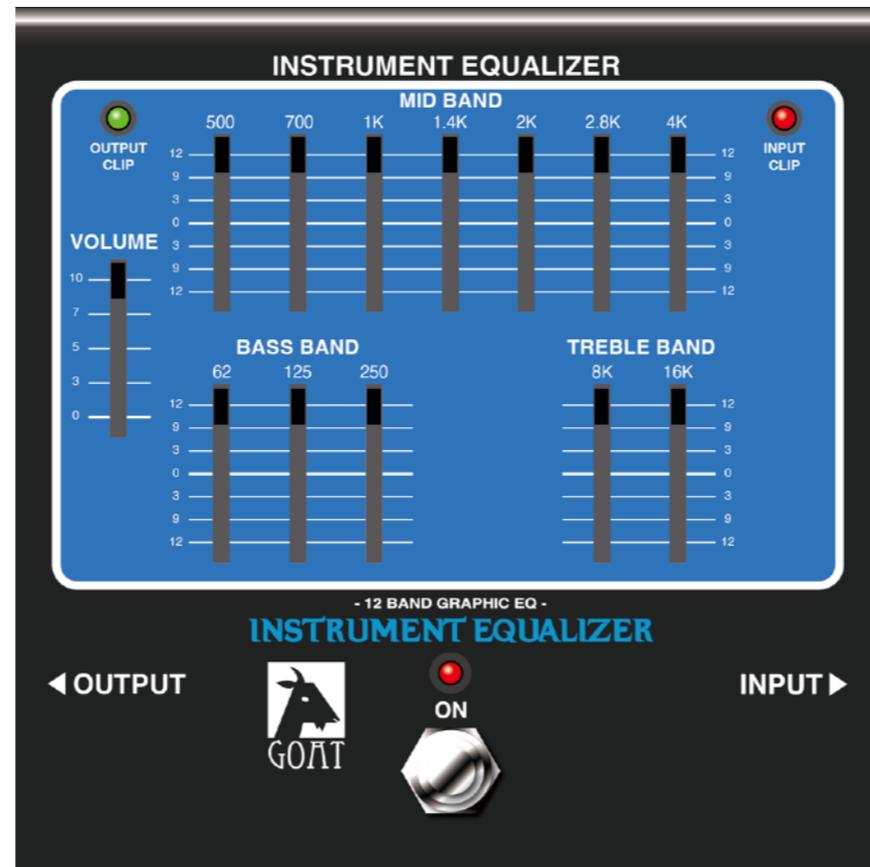




- BLUE SERIES -

MANUAL



INSTRUMENT EQUALIZER

Controller Description

③ **MID BAND** : Controls the critical midrange frequencies of 500, 700, 1k, 1.4k, 2k, 2.8k, and 4kHz.

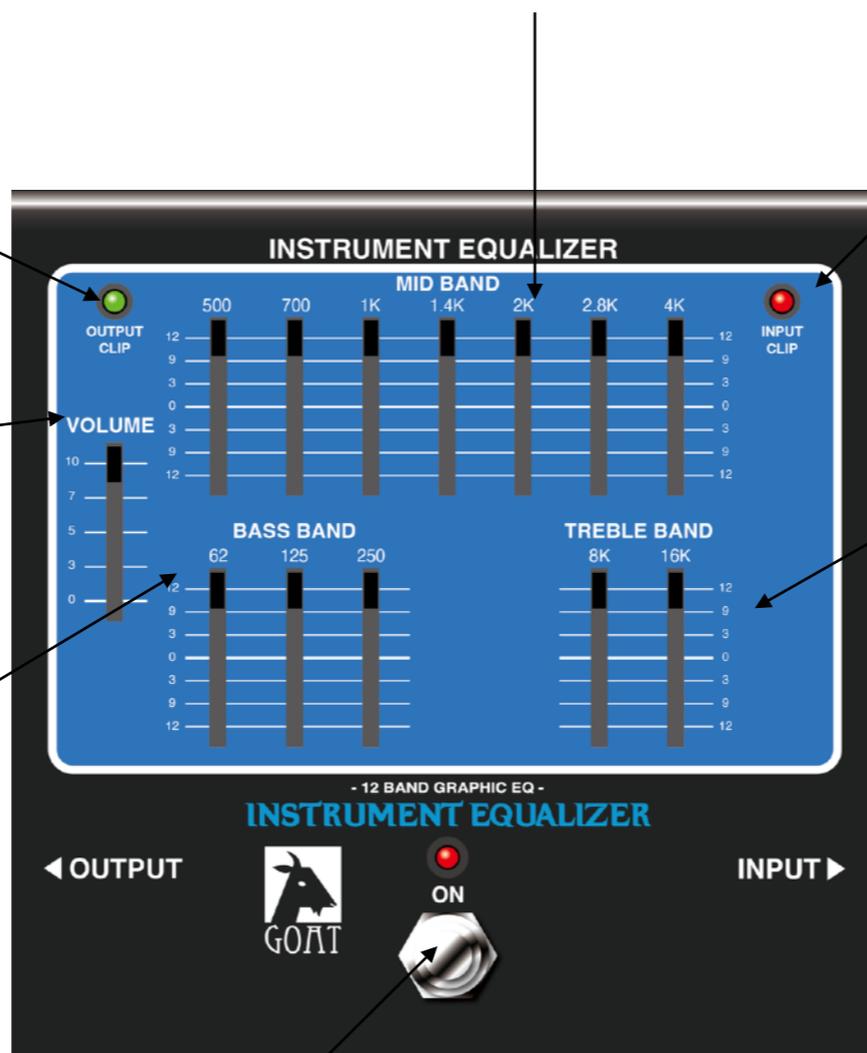
① **INPUT CLIP** : Monitor with LEDs
Monitors the input level of the preamplifier.

④ **OUTPUT CLIP** : Lights up red when the output stage is overloaded.

⑤ **VOLUME** : Adjusts the overall output level.

② **TREBLE BAND** : Controls the top-end frequencies of 8 kHz and 16 kHz.

⑥ **BASS BAND** : Controls the low end at 62, 125, and 250 Hz.



Each EQ slider provides 12 dB of boost/cut, with a center click to return to the “0” dB setting exactly.

⑦ **ON/OFF LED**: Lights up when the effect is on and turns off when the effect is bypassed (effect off).

If you want to use the INSTRUMENT EQUALIZER right away, follow the instructions in this chapter. However, we strongly recommend that you read the rest of the manual immediately to fully understand and use the capabilities of this sophisticated signal processor.

1. make sure that the power to the amplifier or other device to which you are connecting is turned off before connecting the INSTRUMENT EQUALIZER.

Note: Use the recommended AC adapter.

Use alkaline batteries, the operating time is about 1 hour.

Connect the OUT jack on the INSTRUMENT EQUALIZER to the INPUT jack on your amplifier or mixer. 3.

Connect the output from your instrument to the INPUT jack on the INSTRUMENT EQUALIZER. 4.

4. adjust the EQ slider and adjust the output level with the OUTPUT VOLUME slider.

12-BAND EQUALIZER

The GOAT BLUE SERIES INSTRUMENT EQUALIZER is unique in that most of the band sliders are centered in the midrange, where INSTRUMENT need the most control. 7 of the 12 sliders cover the range from 500 Hz to 4 kHz. The first two sliders cover the mid-range, from 500Hz to 4kHz. An additional three sliders control the low frequencies at 62Hz, 125Hz, and 250Hz.

The remaining two sliders control the treble frequencies at 8 kHz and 16 kHz.

All sliders provide 12 dB of cut and boost, with a center click for easy return to the “Q” dB setting.

OUTPUT VOLUME

The OUTPUT VOLUME slider has a control range of 0 to +10 dB. This control is used to compensate for level changes caused by the EQ slider settings or to add an overall cut or boost.

If several adjacent sliders are at their maximum positions, they will exceed +12 dB in that frequency range; the INSTRUMENT EQUALIZER must be careful not to overload the output stage amplifier with all sliders at +12 dB.

The green BLINK-OUTPUT CLIP LED has two functions. It lights green at the correct level and turns red when the output stage is overloaded.

About Connections

The GOAT BLUE SERIES INSTRUMENT EQUALIZER is versatile enough to be used with almost any effects pedal, but it is especially suitable for GOAT BLUE SERIES SUSTAINOR and GENERATOR. It is especially useful when used with the ROCKMAN SUSTAINOR™ and DISTORTION GENERATOR. This equalizer allows you to tailor the drive sound to suit your individual style, instrument, and sound system; when using the STEREO CHORUS or STEREO ECHO, it works best when connected after the equalizer.

Setting Example

- To add edge and presence to a distorted guitar sound, try boosting 4kHz and 8kHz by a few dB after distortion.
- To create a funky vibe with a nasal phase-out sound, try boosting 125kHz and 4kHz and cutting 500Hz a little.
- Bass guitar sounds great if you boost 62Hz and 125Hz, cut 250Hz, flatten 500Hz, and boost 700 to 4kHz with a gentle slope.
- Realistic horn sounds on the keyboards can be reproduced by boosting 1k by a few dB. Strings should be boosted 2kHz. Organs sound realistic with a gentle roll-off above 4kHz.
- To bring drum machines to life, boost 62Hz and 125Hz and roll off 250Hz slightly to make kick drums sound thicker and punchier; boost 2.8kHz to add a crispness to snare drum sounds; boost 8kHz and 16kHz, Boosting the 2.8kHz gives snare drums a crisp sound, while boosting the 8kHz and 16kHz boosts make the sound of the cymbals and hi-hats shine.

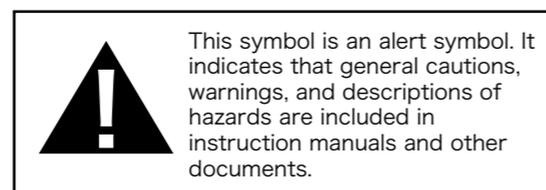
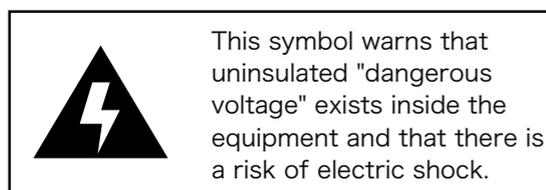
When using GOAT BLUE SEREIS SUSTAINOR or GENERATOR with regular guitar speakers, you can mimic the response of a full-range speaker by slightly boosting 62 Hz and 125 Hz, 4 kHz, 8 kHz, and 16 kHz, or by turning the midrange slider to a small amount.



CAUTION: To prevent electric shock, do not remove the panel or cover.

Do not attempt to repair or replace the product by yourself as it is very dangerous.

Please ask your dealer or Rancher Corporation for repair.



Warning

Please be sure to read this before using the product.

The precautions listed here are intended to ensure safe and proper use of the product and to prevent harm or damage to you or others. They are important for your safety and the safety of others and for the maintenance of the equipment, so please read them carefully and observe them.

Observe the following instructions

Do not disassemble or modify this equipment.

Never attempt to repair or replace parts that are not specified in the instruction manual. Always consult with your dealer or launcher.

Always plug the AC adapter into a 100 VAC power outlet.

If there is dust on the plug of the AC adapter, wipe off the dust.

Failure to do so may result in electric shock or short circuit.

Install the product near an outlet so that you can easily reach the AC adapter plug.

If any of the following occurs, immediately turn off the power and unplug the AC adapter from the power outlet:

- When the AC adapter is damaged
- When a foreign object enters the product
- When the product malfunctions or breaks down * When repair is required, contact the dealer.

Never do anything other than what is described in the instruction manual for repair or replacement of parts.

Do not forcibly bend the AC adapter cord or place it near equipment that generates heat. Do not place heavy objects on the AC adapter cord.

Doing so may damage the cord, resulting in electric shock or fire.

Do not use the product at high or uncomfortable volume levels for long periods of time.

Prolonged use at high volume may cause hearing loss. If you experience hearing loss or tinnitus, consult a physician.

Do not put foreign objects (flammable items, coins, wires, etc.) in this product.

Do not use or store the product in places where the temperature is extremely high (e.g., in direct sunlight, near heating equipment, on top of heat-generating equipment, etc.).

Do not use or store the product in a place where there is a lot of vibration.

Do not use or store the product in dusty places.

Do not use or store in bathrooms or showers.

Do not use or store the product in a humid place such as outdoors in the rain or in a place subject to water dripping.

Do not spill liquids on the product.

Do not use this product with wet hands.

Keep batteries out of the reach of children.

If a battery is swallowed, consult a physician immediately.

Caution: Disregard of these precautions may result in personal injury or physical damage.

Do not use the product in a place where normal ventilation is not obstructed.

Keep the product well away from radios, televisions, electronic equipment, etc.

If the product is used in close proximity to a radio, television, or other device, it may be subject to noise and malfunction. Also, the product may make noises on radios, TVs, etc.

When cleaning the exterior, wipe it lightly with a soft, dry cloth.

When plugging in or unplugging the AC adapter from the power outlet, be sure to hold the plug.

When not using the product for a long time, remove the batteries to prevent them from leaking.

Unplug the AC adapter from the power outlet when not using it for a long time.

Do not use an AC adapter other than the specified one.

Do not wire the product together with the power cords of other electrical equipment.

Connect to an outlet that matches the rated power consumption of the product.

Do not expose the battery to excessive heat sources (sunlight, fire, etc.).

Do not apply excessive force to switches, knobs, etc.

Do not apply excessive force to switches, knobs, etc. as this may cause malfunction.

Do not use benzene, thinner, compound, or strong flammable polishers to clean the exterior.

Do not place the product on an unstable surface.

Do not place the product on an unstable surface, as it may fall and cause injury or damage to the product.

Do not ride on or place heavy objects on this product.

Doing so may cause the product to fall or be damaged, resulting in injury or damage to the product.



- BLUE SERIES -

Specs

INPUT Impedance · · · · · 2MΩ
Maximum level · · · · · 6.5 Vrms(+16dBv)

FREQUENCY RESPONSE Sliders 20Hz ± 5dB at 0

FILTERING ±12dB bands at: 125, 250, 500, 1k, 1.4k
2k, 2.8k, 4k, 8k, 16kHz
±12dB bands at: 62Hz

OUTPUT impedance · · · · · 1K ohms
Maximum level · · · · · 6.5 Vrms(+16dBv)

Size W134, D126, H71 (mm) including projections

Current consumption 120mA/9V 200mA/6V

Power supply (sold separately) AC adapter 9V DC center
minus

(Please use 500mA or more)

Battery 006P (9V alkaline) battery x1

*These specifications are subject to change without notice.