



- BLUE SERIES -

MANUAL




GENERATOR

How to operate

Thank you very much for purchasing GENERATOR. To use this product for a long time, please read the instruction manual carefully and use it in the correct way.

If you wish to use the GENERATOR immediately, please follow the instructions in this chapter. However, we strongly recommend that you read the rest of the manual immediately in order to fully understand and use the capabilities of this sophisticated signal processor.

1. Make sure that the power of the amplifier or other device to be connected is turned off before connecting the GENERATOR. Note: Be sure to use the recommended AC adapter.
2. Connect the OUTPUT of the GENERATOR to a power amplifier, mixer line input, or guitar amplifier. If you are using a guitar amplifier, it is recommended to use the low gain input. When using a guitar amplifier, use the low gain input. The tone control on the amplifier or mixer should be set to the center position.
3. Set all EQs in the GENERATOR to the  position, and set CLEAN and PHASE to OFF.

4. Turn on the power to the connected power amplifier or other sound system. Turn up the volume of the amplifier to set the volume, and adjust the EQ and TREBLE BOOST of the GENERATOR. Adjust the EQ and TREBLE BOOST on the GENERATOR, and use the CLEAN and PHASE switches according to the sound you want.

Controller Description

⑦**CLEAN:** Automatically compensates for the loss of high frequency components when the volume control on the guitar side is turned down to obtain a clean sound.

⑤**TREBLE BOOST:** The purpose is to control the overall treble content and to roughly compensate for the characteristics of the amplifier or sound system.

⑥**VOLUME:** Adjusts the output level of the master volume.

⑨**LEAD BOOST:** During a solo part, use the LEAD switch to boost the volume further to increase the overtones.

⑧**PHASE:** It electronically reproduces the phase response (notch) of a cabinet with four 12" speakers miked together.

④**PRE DIST EQ:** Adjusts the bass cut/boost, midrange boost, and 2KHZ notch in the pre-distortion stage.

③**DISTORTION HARMONICS:** By controlling the signal level input to the distortion circuit and the gain of the distortion, a distortion sound with rich overtones can be obtained.

②**SUSTAIN:** This controls the sustain and feed pack of the compressor.
Note: To suppress feedback at high volumes on stage, turn down the setting.

①**INPUT:** This is where you connect the output from your guitar and keypod. It can be passive or active.



⑩**ON/OFF SWITCH:** This SW the effect on and off. When bypassed, the TRUE BYPASS setting is unaffected by the internal circuitry.



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Function Description

SUSTAIN

This controls the compressor in the input section, and adjusts the amount of sustain and feedback. At the same time, you can increase or decrease the harmonic content of the distortion. If you experience excessive feedback at high volumes, turn down the SUSTAIN controller instead of the OUTPUT LEVEL.

DIST. THRESH (Distortion Threshold)

This LED lights up when the signal level of the input instrument is high. If this LED is constantly lit, turn down the output level of the connected instrument.

DISTORTION HARMONICS

This circuit boosts the gain of the signal input to the distortion circuit in three steps. This changes the harmonic content of the signal.

Pre-Distortion EQ (PRE DIST EQ)

This controls the bass and midrange of the signal before it enters the distortion circuit.

The BASS controller cuts and boosts the low frequencies by up to 5 dB.

The MID. BOOST slider boosts the midrange by +10 dB, centered at 600 Hz.

The 2KHz notch controller adjusts the clarity of the sound and improves the separation of the sound. The effect is subtle, but can be effective when using pickups that have a high midrange component, especially on chords. With normal pickups, this feature is not particularly necessary.

Note: If you want to apply post-distortion EQ, use a graphic equalizer or parametric equalizer after the output of the GENERATOR.

CLEAN

When turned on, you can change the distortion sound to a clean sound by simply turning down the volume knob on the guitar. It compensates for the high frequencies that are lost when the guitar volume is turned down, and also maintains the volume.

PHASE

Phase corrects the sound by reproducing the unique phase characteristics that occur when a microphone picks up a cabinet with four 12" speakers mounted in it. This makes it possible to obtain a natural sound when recording lines.

Footswitch (ON/OFF)

Switches the effect on and off. When off, the input signal is output through a low noise buffer circuit.

Lead Switch (LEAD)

Used to boost the overtone and high frequency components of the signal by turning up the volume, such as during a guitar solo. The LED lights up when this circuit is active.

Treble Boost (TREB. BOOST)

This effect is similar to the presence control on an amplifier, and is used to adjust the overall frequency response. It is not intended as a tone control for the high frequencies only, but as a correction for the final total sound. Normally set to the 12 o'clock position, this will give you the right response for guitar amplifiers and speakers with high frequency enhancement. For sound systems with flat characteristics (audio, recorders, etc.), the maximum setting may be appropriate.

Note: For best results, set the TREB. BOOST controller to a low setting when connecting other effects devices in front of the GENERATOR.

Level (LEVEL)

Adjusts the output level from the GENERATOR. The adjustable range is 15 dB, and at the "maximum" position, the output is about 0.3 Vrms, which is the ideal level for driving most effects pedals and power amplifiers.



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Safety Notes

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 contact your dealer or Rancher for repair.

WARNING!

The precautions described here are intended to ensure safe and correct use of the product and to prevent harm or damage to you or others. These precautions are important for your safety and the safety of others.

Observe the following instructions

Do not disassemble or modify the unit. • Never attempt to repair or replace parts that are not specified in this manual. Do not disassemble or modify this equipment.

Be sure to plug the AC adapter into an AC100V power outlet.

If there is dust on the plug of the AC adapter, wipe off the dust. This may cause electric shock or short circuit.

Install the product near the power outlet so that the plug of the AC adapter can be easily reached.

This product should be installed near an electrical outlet and the plug of the AC adapter should be easily accessible.

When the AC adaptor is damaged, or when foreign matter enters the product, or when a problem or failure occurs in the product.

Do not do anything other than what is described in the instruction manual for repair or replacement of parts.

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

Do not place heavy objects on top of the AC adapter cord, as this may damage the cord and cause electric shock or fire.

Do not use the product for a long time at a loud or uncomfortable volume.

Do not use the product for a long period of time at a loud or uncomfortable volume. If you experience hearing loss or tinnitus, consult a physician.

Do not insert any foreign objects (flammable objects, coins, wires, etc.) into the product.

Do not use or store the product in a place where the temperature is extremely high (e.g., in direct sunlight, near a heater, or on a device that generates heat).

Do not use or store in a dusty place.

Do not use or store in bathrooms or shower rooms.

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

Do not use this product with wet hands.

Do not put the battery in the reach of infants. If the battery is swallowed, consult a doctor immediately.

Do not use this product with wet hands.

Use the product in a location where normal ventilation is not obstructed.

Use the product in a location where normal ventilation is not obstructed.

Keep the product far enough away from radios, televisions, and electronic devices. If the product is used close to a radio or TV, it may receive noise and malfunction. If the product is used close to a radio or TV, it may receive noise and malfunction, or it may cause noise on the radio or TV.

For cleaning the exterior of the product, wipe it lightly with a soft, dry cloth.

When you plug or unplug the AC adapter from the power outlet, be sure to hold the plug.

If you are not going to use 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 connect the power cord of the product to the power cord of other electrical equipment. Do not connect to a power 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 and knobs.

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

Do not use benzine, thinner liquid, compounds, or flame-retardant 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 to the user or damage the product.

Do not climb on top of the product or place heavy objects on it. This product may fall or be damaged, resulting in injury to the user or damage to the product.



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Specs

INPUT Impedance · · · · · 2MQ min.
Maximum level · · · · · 4Vrms(+12dBv)
Compressor adjustment range · · · · 30 dB(30,40,50,60)
PREDISTEQ BASS · · · · · -5dB to +5dB
MIDBOOST · · · · · 0dB to +10dB
2KHz notch · · · · · -10dB to 0dB
PHASENOTCHER Low frequency notch · · · · · 250Hz
High frequency notch · · · · · 2.5KHz
OUTPUT Impedance · · · · · 470Ω
Maximum level · · · · · 4.5Vrms(+13dBv)
TREB. BOOST Range... 20dB continuous

Size W126, D126, H50 (mm)

Battery 9V alkaline dry cell x1

AC adapter 9V DC center minus 200mA or more

This specification is subject to change without notice.