

electro-harmonix

22 CALIBER

Guitar Power Amplifier

Congratulations on your purchase of the **22 CALIBER** guitar amplifier! The 22 CALIBER is a 22 Watt power amplifier for guitar that fits in the palm of your hand but is capable of driving an 8 ohm cabinet. Its excellent tone and extreme portability will guarantee it to become a mainstay for performance, rehearsal or recording. The 22 CALIBER delivers everything that you would expect in a much larger amplifier. Though the 22 CALIBER's input and gain structure are optimized for guitar it will work great with other instruments as well. Please read this manual to become familiar with the correct use of the 22 CALIBER.

WARNING: THE 22 CALIBER IS A POWER AMP, NOT AN EFFECTS PEDAL. Do not connect the output of the 22 CALIBER to the input of another amplifier, effects pedal, mixer, computer, computer interface or other similar device. Connect the output of the 22 CALIBER to a speaker cabinet only; preferably one that is 8 -16 Ω .

WARNING: USE ONLY THE 18 VDC / 1.66A ADAPTER THAT THE 22 CALIBER COMES SUPPLIED WITH. Do not use any other adapters. Using other adapters, even those made by Electro-Harmonix, could cause harm to the unit, the adapter or you. The 22 CALIBER does not use batteries.

-CONTROLS and JACKS-

VOLUME Knob – Controls the volume or loudness of the amplifier. As you turn the VOLUME knob clockwise, the 22 CALIBER's output gets louder. At a certain point in the VOLUME knob's travel the output will start to overdrive, at this point you are beginning to exceed 22 Watts on your loudest notes. Turning the VOLUME knob further clockwise will produce a more overdriven sound which is the result of pure power amp saturation. **WARNING:** When driving a 4 Ω cabinet, do not allow the 22 CALIBER to overdrive the output; it will shut off automatically in this situation. This will not occur for 8 Ω and 16 Ω cabinets.

BRIGHT Switch- When engaged, the BRIGHT switch adds a subtle high end boost or presence to your output signal. When in the normal position, the high end boost is defeated.

INPUT Jack- Plug the output of your guitar, effects pedals or any other instrument into the INPUT jack using a standard 1/4" instrument cable. The input impedance presented at the INPUT jack is 2 M Ω .

8 – 16 Ω OUTPUT Jack – Connect the 22 CALIBER's OUTPUT jack directly to a speaker cabinet.

WARNING: NEVER CONNECT THE OUTPUT OF THE 22 CALIBER TO THE INPUT OF ANOTHER AMPLIFIER, AN EFFECTS PEDAL, MIXER, COMPUTER, COMPUTER INTERFACE OR OTHER SIMILAR DEVICE.

We recommend using a speaker cable between the 22 CALIBER and speaker cabinet as you would with any power amplifier, though you can get away with using an instrument cable if absolutely necessary. The

impedance of the speaker cabinet must be rated between 4 Ω and 16 Ω (Ω = ohms). 8 Ω is the ideal load for the 22 CALIBER. We do not recommend going below 8 Ω though it will work into loads ranging from 4 Ω to 16 Ω . **The 22 CALIBER may have trouble driving loads under 8 Ω if the output is overdriven.** In this case, the 22 CALIBER will automatically shut off so it does not damage itself. Additionally the speaker cabinet must have a power rating equal to or greater than the 22 CALIBER's output power capability. We recommend a speaker cabinet with a 30 W rating.

WARNING: Make sure the 22 CALIBER's output is connected to a speaker cabinet before applying power.

18VDC/1.5A POWER Jack – Connect the output plug from the 22 CALIBER's supplied power supply to the power jack at the top of the unit. Only use the power supply that the 22 CALIBER was supplied with. The 22 CALIBER requires a power supply capable of delivering at least 1.5 A (more current is better) at exactly 18 VDC. **DO NOT EXCEED 18 VDC ON THE POWER JACK**, doing so will damage the 22 CALIBER. **DO NOT CONNECT AN AC POWER SUPPLY VOLTAGE TO THE 22 CALIBER, USE DC POWER ONLY.** The polarity of the power jack is center positive.

-WARNINGS (PLEASE READ!!)-

THE 22 CALIBER IS A POWER AMP, NOT AN EFFECTS PEDAL: Connect the output of the 22 CALIBER to a speaker cabinet only. **DO NOT CONNECT THE OUTPUT OF THE 22 CALIBER TO THE INPUT OF ANOTHER AMPLIFIER, EFFECTS PEDAL, MIXER, COMPUTER, COMPUTER INTERFACE or similar device.**

SPEAKER CABINET: Only plug the output of the 22 CALIBER into a speaker cabinet rated for an impedance in the range of 4 Ω to 16 Ω (4 to 16 ohms); 8 to 16 Ω is recommended, the 22 CALIBER may have trouble with loads below 8 Ω if overdriven. The speaker cabinet power rating should be 30W or more.

OUTPUT FIRST THEN POWER: Connect the output of the 22 CALIBER to a proper speaker cabinet before applying power to the 22 CALIBER. If you connect the 22 CALIBER to a speaker cabinet while it is powered up, the 22 CALIBER may automatically mute its output to prevent a short circuit on the output jack. In this situation simply remove power from the 22 CALIBER, wait a few seconds and then re-apply power to the 22 CALIBER, it should work normally.