



MANUAL

CUBE ACOUSTIC



USER MANUAL PURPOSE

This user manual is dedicated to the use of the Cube Acoustic.

The manual includes the following information:

- General information (technical data and packaging)
- Description of the amplifier's functions.

All the information described in this user manual is verified.

The manufacturer reserves the right to update or modify their product without any notice.

PACKAGING AND STORAGE

PACKAGING

The Cube Acoustic is packed in a special cardboard box. The box contains the Cube Acoustic and power supply cable.

TRANSPORT

Please handle the box with care. A specific position during the transport is not required.

STORAGE

Please keep the amplifier in a dry and ventilated place. Ideal storage conditions: Temperature within -20C and 40C, Humidity 20% to 80%.

PRODUCT DISPOSAL

Please follow the disposal instructions issued by your local council. By European Directive 2002/96 / EC, all electrical and electronic products should be disposed of by specific collection facilities appointed by the government or the local authorities.

DECLARATION OF CONFORMITY

The product complies with the following European directive:

2014/35 / EU - Electrical Safety

2014/30 / EU - Electromagnetic Compatibility

2011/65 / EU - Limited use of certain hazardous substances in electrical and electronic equipment

A full copy of the declaration of conformity is available from the manufacturer. The manufacturer is not responsible for any damage due to improper use of the product.

MAIN FEATURES HEAD

- XLR/Jack audio input (Ch1, Ch2)
- 2 SPEAKON audio outputs
- XLR DI Independent out (Ch1, Ch2)
- DI Volume (Ch1, Ch2)
- Anti-bump on DI out
- Pre/post Eq. DI (Ch1, Ch2)
- Ground Lift DI (Ch1, Ch2)
- D.I. Output Dual/Mix
- 48V (Ch1, Ch2)
- Phase Inversion (Ch1, Ch2)
- Piezo (Ch1, Ch2)
- Gain control (Ch1, Ch2)
- Channel selector
- Bass, Mid-Low, Mid-High and High equalization control (Ch1, Ch2)
- Deep Filter (Ch1, Ch2)
- Bright Filter (Ch1, Ch2)
- Pure Switch (Ch1, Ch2)
- Mute
- Master Volume control (Ch1, Ch2)
- Notch Filter
- Compressor
- Send-Return
- Ethernet Port for Pedalboard*

*Pedalboard not included

TECHNICAL FEATURES HEAD

- POWER RMS 800 W @ 4Ω
- DYNAMIC RANGE: 117dBA
- Parameters of nominal distortion output: a) TDH+N: - 0.005 % @ 1 W (4Ω, 1 kHz), 0.0008 % @ 50 W (4Ω, 100 Hz)
- Low output impedance: 6mW
- Total Efficiency: 84 % @ 800 W, 4Ω

MAIN FEATURES CABINETS

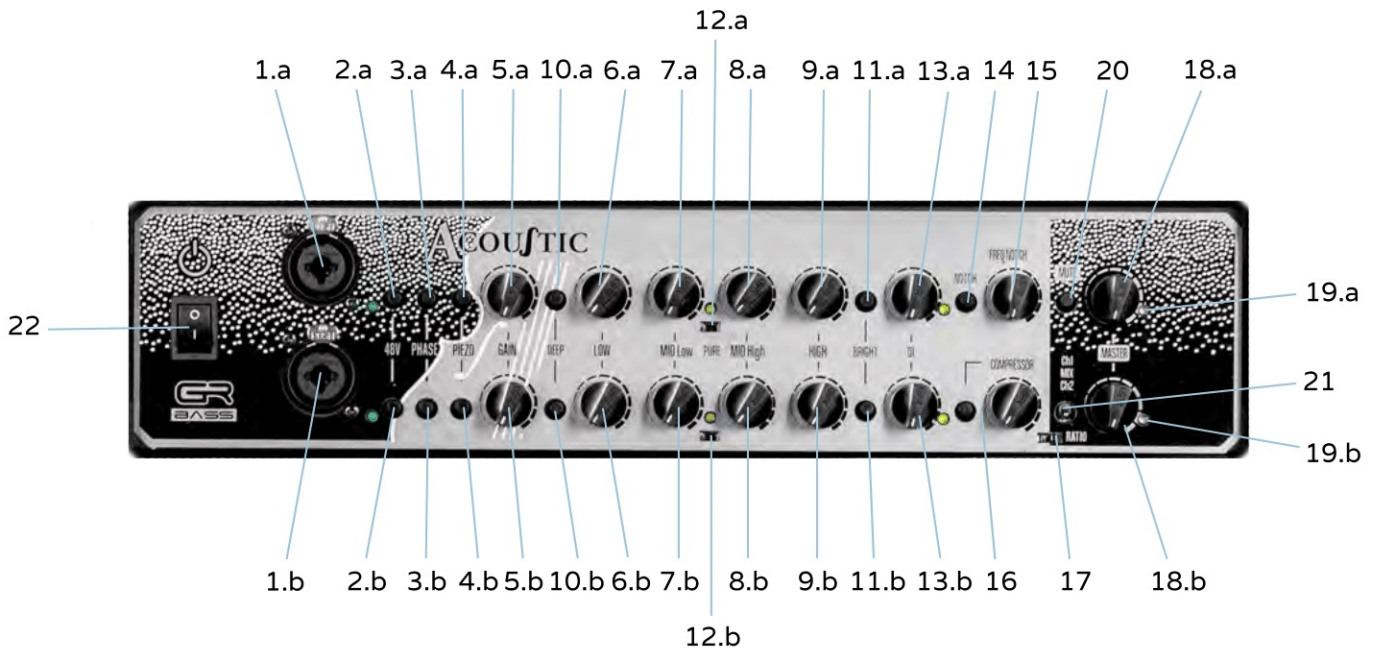
- 3-Level selector for the tweeter

TECHNICAL FEATURES CABINET

- Impedance: 8 Ohm
- Bass Reflex: Rear
- Woofer: 1x12" Custom GR Bass by Jensen SICA Neodym speaker
- Power Handling: 500W RMS (AES Standard)
- Tweeter: 1"
- Frequency Response: 40 Hz to 18 kHz
- Sensitivity: 98dB SPL
- We recommend using it with an additional 8 Ohm speaker, but the head can also possibly manage a second 4 Ohm speaker

CONTROLS DESCRIPTION

FRONT PANEL CONTROLS



1.a INPUT XLR/JACK Ch1

1.b INPUT XLR/JACK Ch2

Input XLR/Jack for your instrument. We suggest using a good quality cable, to obtain the best audio performance

2.a 48V Phantom Power Ch1

2.b 48V Phantom Power Ch2

This switch allows the enabling of the +48 V Phantom Power to the input. When the LED is lit the 48V is active for its channel

3.a PHASE Ch1

3.b PHASE Ch2

Switch to reverse signal phase

4.a PIEZO Ch1

4.b PIEZO Ch2

It adapts the impedance to the instrument that uses a piezo optimizing even the frequencies below 40hz

5.a GAIN CONTROL KNOB Ch1

5.b GAIN CONTROL KNOB Ch2

Sets the input signal amount of the pre-amp

6.a BASS KNOB Ch1

6.b BASS KNOB Ch2

Increases or reduces the bass frequencies of the signal

7.a MID-LOW KNOB Ch1

7.b MID-LOW KNOB Ch2

Increases or reduces the mid-low frequencies of the signal

8.a MID-HIGH KNOB Ch1

8.b MID-HIGH KNOB Ch2

Increases or reduces mid-high frequencies of the signal

9.a HIGH KNOB Ch1

9.b HIGH KNOB Ch2

Increases or reduces the high frequencies of the signal

10.a DEEP BUTTON Ch1

10.b DEEP BUTTON Ch2

Gives a more deep sound

11.a BRIGHT BUTTON Ch1

11.b BRIGHT BUTTON Ch2

Gives a more bright sound

12.a PURE SWITCH Ch1

12.b PURE SWITCH Ch2

Allows bypassing all the equalization filters of the preamplifier. The pure-mode activation is signaled by the LED on the top of the button

13.a DI VOLUME CONTROL KNOB Ch1

13.b DI VOLUME CONTROL KNOB Ch2

Controls the D.I. volume

14. NOTCH FILTER BUTTON * (Works only on the CH1)

When the button is pressed, the Notch Filter activates and the LED on the left lights up

15. FREQ NOTCH KNOB

Knob through which you can move the Notch Filter from a frequency of 100Hz to a frequency of 1000Hz. Its selected frequency is lowered by 10dB

16. COMPRESSOR KNOB * (Works only on the CH2)

Compressor determines when the signal will be compressed

17. RATIO SELECTOR

The ratio determines how much gain reduction the compressor applies when the signal passes a threshold level

Left / Center / Right = 1:2 / 1:4 / 1:8

18.a MASTER KNOB Ch1

18.b MASTER KNOB Ch2

Controls the overall volume

19.a OPERATION LED Ch1

19.b OPERATION LED Ch2

Blue = The channel is activated

Red = high level of the input signal (clip)

Off = The channel is not activated

20. MUTE BUTTON

Turn off the amplifier output. The activation of this mode turns on the red LED on the left of the button

21. CHANNEL SELECTOR

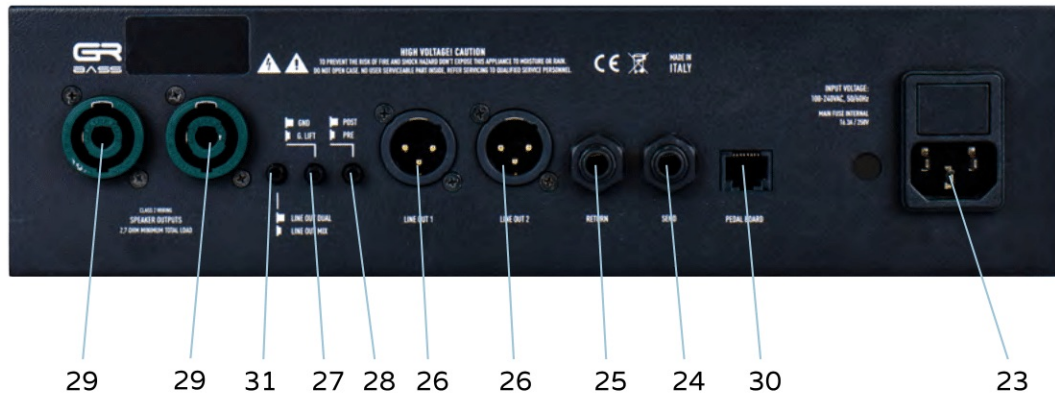
Selector allows you to activate a single channel or both

22. POWER ON/OFF SWITCH

Switch on and off the amplifier

CONTROLS DESCRIPTION

REAR PANEL CONTROLS



23. AC POWER SOCKET (230V - 115V)

IEC plug for power supply connection. The power supply self-recognition feature allows power to the Combo with a voltage of 230V or 115V. The supplied cable is equipped with a ground wire. For safety and security reasons, never unplug the ground wire from your equipment

24. ETHERNET PORT.

ethernet port for connection to the Pedalboard, accessory sold separately which allows you to select via footswitch channel 1, channel 2 + channel 2 and put the nuke. The cable on the pedalboard can be connected either to the right or to the left. This connection allows the pedalboard to provide a 9v connection for your pedals

25. SEND

6.35mm jack plug to connect an external effect's input

26. RETURN

6.35mm jack plug to connect an external effect's output

27. D.I. OUTPUT (Ch1/Ch2)

The DI output is equipped with an anti-bump system, which allows you to turn on and off Combo even with the mixer line still on, without causing the annoying and noisy bump

28. GND LIFT BUTTON

Isolates the DI output from the ground wire

29. PRE-POST DI BUTTON

Allows you to choose the type of signal to be sent to the DI output DI: PRE EQ or POST EQ

30. Line out Dual / Line Out Mix

With this button I can use the two channels separately at the two D.I. outputs or add them in a single D.I. output

31. SPEAKON OUTPUT

It is possible to use a 6.35 mm jack. We recommend using a 2 pole Speakon connector. Never use a 6.35 jack guitar cable to connect your amplifier to your speakers

LIMITED WARRANTY

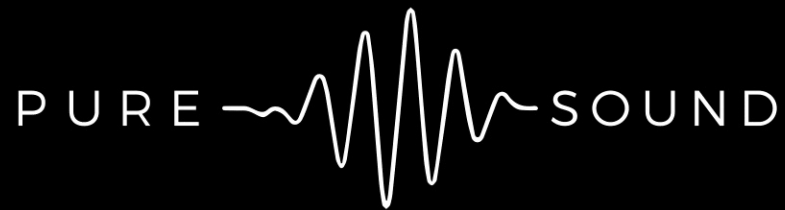
The warranty covers five years.

The warranty covers any defects in material or workmanship under normal use during the warranty period. Any shipping cost to/from the repair service center is the customer's responsibility. In the event of irreparable damage or repeated failure of the same type, the manufacturer may replace the unit, within the term of the original warranty.

The warranty does not cover parts that may result in faulty due to:

- Negligence or careless use
- Improper installation and maintenance
- Tampering made by unauthorized personnel
- Damages that might not be related to manufacturing defects.

The manufacturer accepts no responsibility for any damage due to persons, animals or things, as a consequence of the failure to comply with all the installation requirements and /or use indicated in this user manual.



GR Bass is an innovative and dynamic company that has been working for years in the music amplification sector.

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