



MANUAL

GR/AT/NF COMBO 210V



USER MANUAL PURPOSE

This user manual is dedicated to the use of the Combo GR/A-T/NF 210V.

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

Combo GR/AT/NF 210V is packed in a special cardboard box. The box contains the Combo, power supply cable, and the user manual.

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 COMBO GR/AT/NF 210V

- 2 SPEAKON audio outputs
- XLR DI out
- Headphone Output
- Tuner Output
- Send-Return
- Aux-In
- Output 9V, 250 mA
- Gain control
- Bass, Mid-Low, Mid-High, and High equalization control
- Mid-Low frequencies switch
- Mid-High frequencies switch
- Deep button
- Bright button
- Pure switch
- Mute button
- DI volume
- Anti-bump on DI out
- Headphone volume
- Master Volume control
- Vu-Meter
- Chromatic tuner
- "Studio" and "Live" fan mode operation

TECHNICAL FEATURES HEAD COMBO GR/AT/NF 210V

- 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 % @ 600 W, 4Ω

TECHNICAL FEATURES CUBE 500

- POWER RMS 500 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 % @ 500 W, 4Ω

TECHNICAL FEATURES CUBE 800

- 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 COMBO GR/AT/NF 210V

- 2 SPEAKON audio inputs
- 3-Level selector for the tweeter

TECHNICAL FEATURES CABINET Combo GR 210V-350 / AT/NF Combo 350

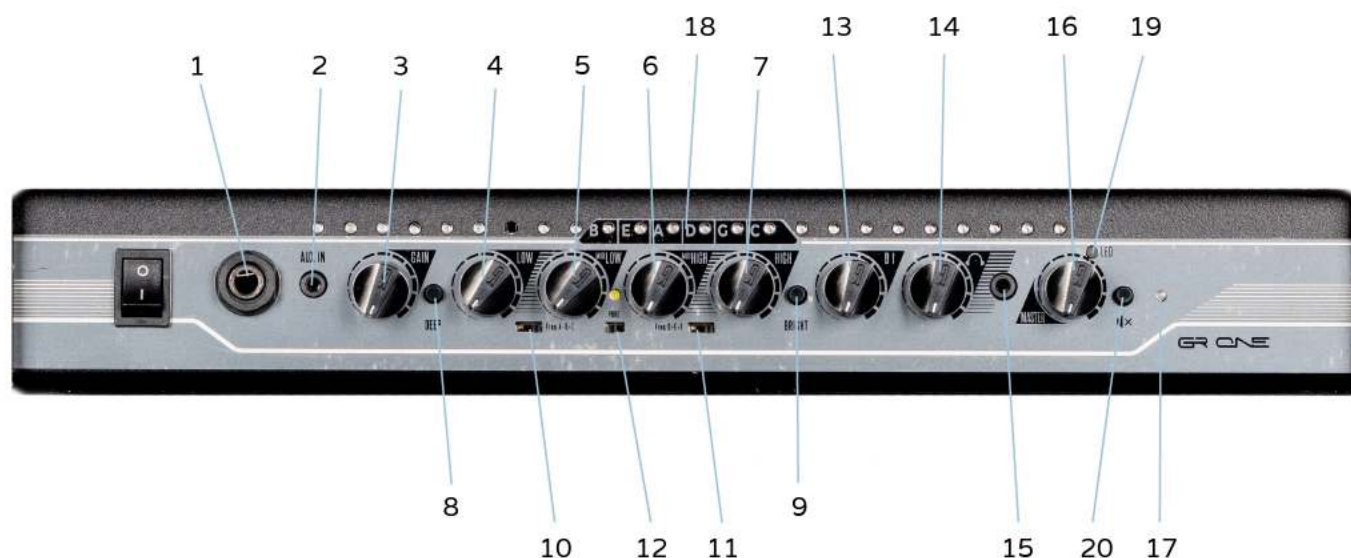
- Impedance: 4 Ohm
- Bass Reflex: Front
- Woofer: 2x10" Custom GR Bass by Jensen SICA Neodym speaker
- Power Handling: 400W RMS (AES Standard)
- Tweeter: 1"
- Frequency Response: 35 Hz to 22 kHz
- Sensitivity: 104dB SPL
- We recommend using it without an additional speaker

TECHNICAL FEATURES CABINET Combo GR 210V-800 / AT/NF Combo 800

- Impedance: 8 Ohm
- Bass Reflex: Front
- Woofer: 2x10" Custom GR Bass by Jensen SICA Neodym speaker
- Power Handling: 400W RMS (AES Standard)
- Tweeter: 1"
- Frequency Response: 35 Hz to 22 kHz
- Sensitivity: 104dB SPL
- We recommend using an additional second 8 Ohm speaker

CONTROLS DESCRIPTION

FRONT PANEL CONTROLS



1. INPUT JACK

Input jack for your bass. We suggest using a good quality cable, to obtain the best audio performance.

2. AUX-IN

3.5mm jack Auxiliary input to connect an external audio device

3. GAIN CONTROL KNOB

Sets the input signal amount of the pre-amp

4. BASS KNOB

Increases or reduces the bass frequencies of the signal

5. MID-LOW KNOB

Increases or reduces the mid-low frequencies of the signal

6. MID-HIGH KNOB

Increases or reduces mid-high frequencies of the signal

7. HIGH KNOB

Increases or reduces the high frequencies of the signal

8. DEEP BUTTON

Gives a more deep sound

9. BRIGHT BUTTON

Gives a more bright sound

10. MID-LOW SWITCH

Use this switch to change the frequency of the mid-low band from 185 Hz, 375 Hz, and 800 Hz.

11. MID-HIGH SWITCH

Use this switch to change the frequency of the mid-high band from 600 Hz, 1200 Hz, and 1800 Hz.

12. PURE SWITCH

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. DI VOLUME CONTROL KNOB

Controls the DI volume

14. HEADPHONES KNOB

Controls the headphones volume

15. HEADPHONES OUTPUT

3.5mm plug for headphones

16. MASTER KNOB

Controls the overall volume

17. OPERATION LED

Green = normal operation

Orange = high level of the input signal (clip)

18. VU-METER - Chromatic tuner

24 LEDs that can be used as VU-METER and/or chromatic tuner. The 6 central LEDs marked with the letters B E A D G C, are the reference LEDs when using the chromatic tuner. These marked LEDs identify the reference note. When the corresponding note is tuned the LED changes from red light to blue light. The more red LEDs light up the more the note is out of tune.

19. LED BUTTON

By pressing this button you can:

A. - scroll through the four VU-Meter display modes,

B. - select the mode tuner,

C. - turn off the 24 LED bar.

The last selection made on this button is always memorized.

In the ONE 800 and ONE 1400 amplifiers, holding down the LED button for about 8 seconds, the fan turns off (STUDIO MODE). To reactivate the fan (LIVE MODE) you must hold down the LED button for about 8 seconds or turn off and turn on the amplifier.

In "LIVE" mode, the fan automatically activates when a preset temperature is reached. In "STUDIO" mode the fan is always switched off, except when a critical temperature is reached. In that case the fan automatically reactivates. On the ONE 350 amplifier, pressing the LED button for about 8 seconds allows to toggles the cooling fan activation.

20. MUTE BUTTON

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

CONTROLS DESCRIPTION

REAR PANEL CONTROLS



21. 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.

22. POWER ON/OFF SWITCH

Switch on and off the amplifier.

23. 9 VDC Out

9V DC output to connect external equipment (we recommend connecting 4-5 pedal effects maximum). The polarity is center negative

24. SEND

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

25. RETURN

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

26. D.I. OUTPUT

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

27. GND LIFT BUTTON

Isolates the DI output from the ground wire

28. 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

29. 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

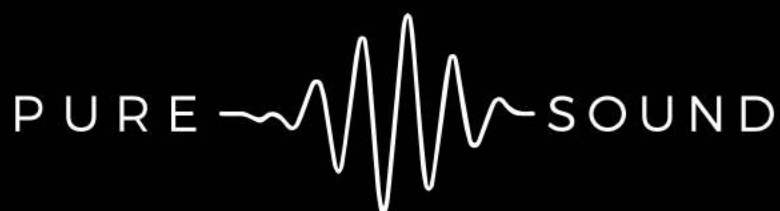
The warranty covers five years.

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.

Lightweight, portable but powerful, the GR ONE series will surprise you with its quality and incredible power. The ONE series takes up and perfects the philosophy of PURE SOUND, a fundamental characteristic of GR products. A 4-band equalizer will allow you to sculpt the sound according to your needs but that's not all: you can choose 6 frequencies for the mids, and the deep and bright filters will allow you to add punch and / or definition to the equalization.

www.grbass.com



Via Conchia 54T - 70043 Monopoli (BA) – ITALY
+39 080 5129325 - info@grbass.com