((ORTEGA®
acoustic amplification

Acoustic Amplifier Combo
Manual
Cone
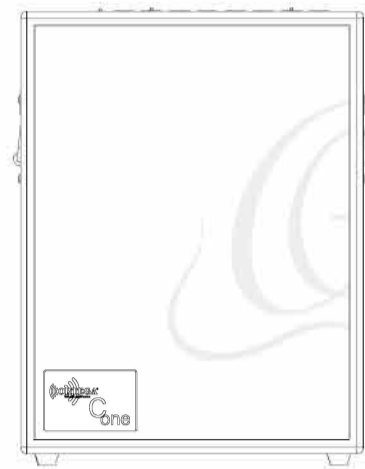

Two Channel Acoustic Amplifier Combo
Cone
100 WATT RMS

ORTEGA
a brand of
Roland Meinl Meinl Musikinstrumente GmbH & Co.KG
Musik-Meinl-Strasse 1
91468 Gutenstetten
Germany

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Manufactured in China

IMPORTANT SAFETY INSTRUCTIONS

CAUTION:
RISK OF ELECTRIC SHOCK
DO NOT OPEN

THE LIGHTNING FLASH WITH AN ARROWHEAD SYMBOL WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF A SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS.

THE EXCLAMATION MARK WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.

WARNING TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THE APPLIANCE TO RAIN OR HUMIDITY

Please read these instructions.

Please keep these instructions.

Please observe all precautions.

Please follow the instructions.

Do not use this apparatus near water.

Clean only with a dry cloth.

Do not block any ventilation openings. Install following the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

This apparatus must be grounded, to reduce the risk of electric shock.

Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where they exit from the apparatus.

Use only devices and accessories specified by the manufacturer.

Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the trolley/apparatus combination to avoid injury from tip-over.

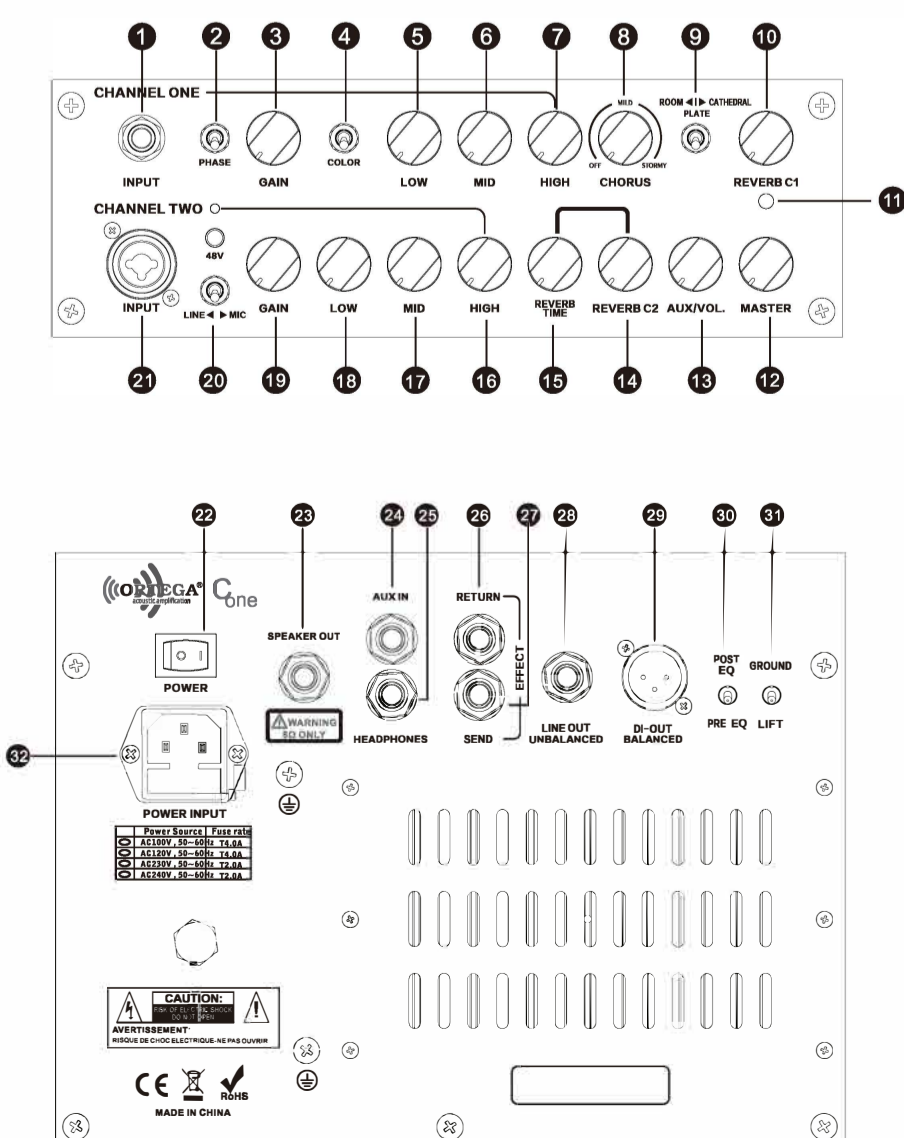Unplug this apparatus during lightning storms or when unused for long periods of time.

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operates normally, or has been dropped.

Specifications

Output Power	87W RMS @ 4 Ω, 1kHz, THD 1%
	100W RMS @ 4 Ω, 1kHz, THD 1%
Input Impedance	2M Ω
Input Sensitivity	-30dBu
Controls	Bass @ 80Hz, +/-12dB Middle @ 600Hz, +/-7dB Treble @ 7kHz, +/-10dB
Microphone input sensitivity	-50dBu
Line input sensitivity	-30dBu
Line Out	0 dBu / Output Impedance 470 Ω
Di Out	-20 dBu @ Post (Output Impedance 470 Ω)
	0 dBu @ EQ
Max power consumption	180W
Extra	Built in DSP Effector (Chorus/Reverb) Built in Limiter Circuit Built in Speaker Short Protection Circuit
Dimensions W*D*H	14.96"*14.37"*18.30" (38.0cm*36.5cm*46.5cm)
Weight	G.W.: 26.06lb (11.82kg) N.W.: 22.83lb (10.36kg)

Panel Description

panel

1.[Input]: ¼" (6.3mm) jack for the input from external equipment.
2.[Phase]: Switches the phase.
3.[Gain]: Controls the pre-amp volume of Channel 1
4.[Color]: Activates the tone color filter
5.[Low]: Controls the Low of Channel 1
6.[Mid]: Controls the Mid of Channel 1
7.[High]: Controls the High of Channel 1
8.[Chorus]: Controls the depth of two separate chorus presets.
9.[Room/Plate/CatHedral]: Controls the reverberation time of Channel 1, which can be long, medium or short.
10.[Reverb C1]: Controls the reverb of Channel 1
11.[Power light]: When lit, the amplifier is on and ready for use.
12.[Master]: Adjusts the overall output volumes.
13.[Aux/vol]: Both [Input] and [Aux In] may be used at the same time. They are stereo (TRS) inputs, however the left and right signals are mixed to mono.
14.[Reverb C2]: Controls the reverb of Channel 2
15.[Reverb Time]: Controls decay time of Reverb Channel 2
16.[High]: Controls the High of Channel 2
17.[Mid]: Controls the Mid of Channel 2
18.[Low]: Controls the Low of Channel 2
19.[Gain]: Controls pre-amp of Channel 2
20.[Line/mic]: Switches corresponding function of instrument used and MIC used.
21.[Input]: ¼" (6.3mm) jack for instrument input and MIC jack for instrument input.
22.[Power]: Switches on/off.
23.[Speaker out]: ¼"(6.3mm) speaker jack for attaching external speaker (only 8 Ω load).
24.[Auxin]: ¼" (6.3mm) input. Plug in external audio player.
25.[Headphones]: ¼" (6.3mm) headphone output, automatically mutes speaker output.
26.[Return]: ¼" (6.3mm) input. Returns signal from an external effects or signal processing device. The effect can be switched on or off via foot switch. [Return] on its own can also be used as quasi auxiliary signal input.
27.[Send]: ¼" (6.3mm) output. Sends signal to an external effects or signal processing device. The effect can be switched on or off via foot switch.
28.[Line out/Unbalanced]: ¼" (6.3mm) output. Supplies a pre-amp signal taken after tone-control, effects and master for forwarding to other appliances.
29.[Di-out/Balanced]: Preamp-output.
30.[Post/EQ/Pre EQ]: Select EQ or post when plug in DI-OUT.
31.[Ground Lift]: Lifts the ground from the XLR direct output. Useful for eliminating hum when the direct out is used.
32.[Power input]: Operate the amplifier only at the voltage indicated on the rear panel.

Speaker Combo Cone

Specifications:
- 6.5" Loudspeaker, 8 Ω
- 3''Tweeter
- Max Power Rating: 150W
- Frequency Response: 40Hz~20KHz
- G.W.: 11.82kg, N.W.: 10.36kg