

eUC106

LOUDSPEAKERS

Spherical pendant loudspeaker



USER MANUAL

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1. IMPORTANT REMARK




WARNING: SHOCK HAZARD - DO NOT OPEN
AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR



The lightning flash with 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 sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING (If applicable): The terminals marked with symbol of “” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made leads or cords.

WARNING: To prevent fire or shock hazard, do not expose this equipment to rain or moisture.

WARNING: An apparatus with Class I construction shall be connected to a mains socket-outlet with a protective earthing connection.

2. IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. 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.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Unplug the apparatus during lightning sorts or when unused for long periods of time.
13. Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. Disconnecting from mains: When switching off the POWER switch, all the functions and light indicators of the unit will be stopped, but fully disconnecting the device from mains is done by unplugging the power cable from the mains input socket. For this reason, it always shall remain easily accessible.
15. Equipment is connected to a socket-outlet with earthing connection by means of a power cord.
16. The marking information is located at the bottom of the unit.
17. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on apparatus.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



WARNING: This product must not be discarded, under any circumstance, as unsorted urban waste. Take to the nearest electrical and electronic waste treatment centre.

NEEC AUDIO BARCELONA, S.L. accepts no liability for any damage that may be caused to people, animal or objects due to failure to comply with the warnings above.

3. IMPORTANT NOTE

Thank you for choosing our Ecler **eUC106 Spherical pendant loudspeaker!**

It is **VERY IMPORTANT** to carefully read this manual and to fully understand its contents before any connection in order to maximize your use and get the best performance from this equipment.

To ensure optimal operation of this device, we strongly recommend that its maintenance be carried out by our authorised Technical Services.

All ECLER products are covered by warranty, please refer to www.ecler.com or the warranty card included with this product for the period of validity and conditions.

4. INTRODUCTION

eUC106 is a pendant spherical speaker. It has a 6.5" woofer and a 1" tweeter, offering a power of 40WRMS @ 8Ω. It also incorporates a 70 / 100V line transformer, with 32 / 16 / 8 / 4W power options, for 100V lines; and 16 / 8 / 4 / 2W power options for 70V lines.

5. CONNECTIONS

The eUC106 connection is done by stripped cable, to be connected directly to the amplifier. The power selector, located in the upper part of the spherical loudspeaker, allows selecting the unit's working mode and power, using a flat screwdriver:

- 40 WRMS @ 8Ω
- 32 / 16 / 8 / 4W @ 100V
- 16 / 8 / 4 / 2W @ 70V



eUC106 is supplied with the switch in the 70V / 100V position. If you accidentally connect the system to a low impedance 8Ω line, it will not harm the speaker, but the speaker will perform below its real performance level. If the speaker is in the 8Ω position and is accidentally connected to a 70V / 100V line, it will be seriously damaged.

6. LOCATION AND INSTALLATION

Each eUC106 comes with the following parts:

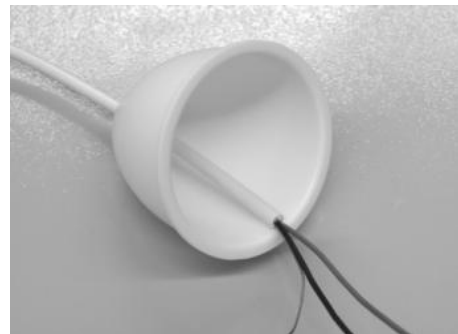
1. eUC106 pendant spherical speaker + speaker cable
2. Plastic conic-shaped piece
3. Aluminium clamping piece
4. Aluminium carabiner
5. Hook screw
6. Metal fastening clip



WARNING: Ensure that both the ceiling and the fastener are sufficiently robust to withstand the weight of the loudspeaker. The supplied eye bolt is suitable for mounting on a strong wood surface. If loudspeakers are mounted on other surface type, use an appropriate fastener and hanging part.

Installation procedure:

1. Introduce the suspension cable through the plastic cap.



2. Install the suspension cable through two eyelets in the aluminium clamping piece and adjust its length. Install the carabiner in the third hole of the aluminium clamping piece.



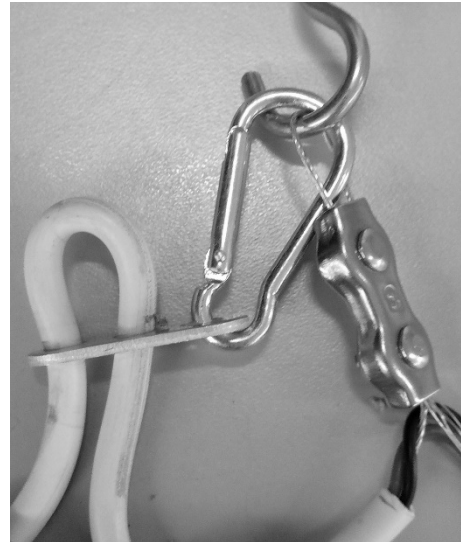
3. Install the carabiner in the hook screw previously fixed on the ceiling. Ensure that the carabiner is properly closed.



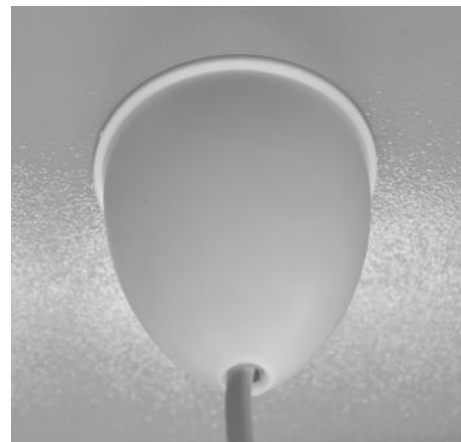
4. Take the safety steel wire from loudspeaker line cable and install it in the clamp as shown in the picture.



5. In order to make the installation totally secure, introduce safety cable in the eye bolt too.



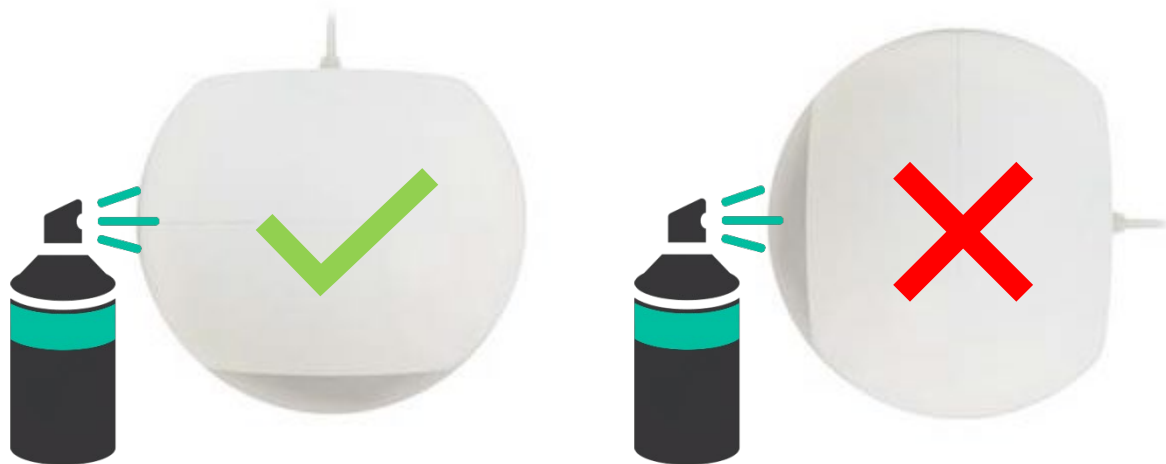
6. Connect the audio cables to the line coming from the amplifier and move plastic cap up to the ceiling, covering the fixation elements to finish the installation.



7. PAINTING

The loudspeaker is ready to be painted, so that its installation is feasible regardless of the aesthetic criteria of the room for which it is intended. eUC106 comes in white (RAL 9003) and black (RAL 9005)

WARNING: If you are using spray paint to paint the speaker, do not point it perpendicular to the grille. Apply the paint at an angle, in order to avoid the paint running through the grill.



8. TECHNICAL CHARACTERISTICS

eUC106

System	
Effective frequency range ¹	74 Hz-20 kHz
Coverage angle ²	151°x151° (HxV)
Power handling	40 W RMS / 160 W Peak
Sensitivity ³	90 dB (1W/1m)
Maximum SPL ⁴	106 dB continuous / 112 dB peak
Power options	100V: 32W / 16W / 8W / 4W / 8Ω 70V: 16W / 8W / 4W / 2W / 8Ω
Recommended amplifier power	80 W RMS
Transducers	
Ways	2
Low frequency driver	6,5" woofer
High frequency driver	1" tweeter
Nominal impedance	8Ω
Physical	
Connection type	Stripped wire
Installation options	Ceiling (pendant)
Environmental	IPX4 rated
Mounting system	Cabinet
Enclosure material	ABS
Cable length	3m
Finished colour	White (RAL 9003) or black (RAL 9005)
Dimensions (ØxD)	270x215mm / 10.63"x8.46"
Weight	3.0 kg / 6.61 lb

¹10dB below the sound pressure level at specified sensitivity

²6dB below the sound pressure level than that at the direction of maximum level. Max. angle between 1 kHz to 4 kHz.

³Measured on-axis, far field and referenced to 1 meter by inverse square law. Average from 100 Hz to 10 kHz.

⁴Calculated from sensitivity and power handling specifications, exclusive of power compression



All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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