



ENGLISH

CL6-AL

CL8-AL

Ceiling Speaker

OWNER'S MANUAL
Version 1.2 Winter, 2019



PRODUCT DESCRIPTION

Thank you for choosing Nox Audio High-Fidelity ceiling speakers. Please spend time to read and review this user manual for the detailed descriptions and diagrams to familiarize yourself with the product.

Nox Audio's coaxial 2-way HiFi ceiling speakers offer uncompromised audio performance for the various architectural uses with the CL6-AL and CL8-AL products; specially designed for background music with proper bass response through a aluminium basket, providing a high quality music as well as the intelligibility of speech. The ceiling speakers are built using a coaxial speaker consisting of a Polypropylene Woofer cone and a Mylar Dome Tweeter. The speaker's basket and front panel are built with aluminum and high quality moulded ABS respectively and equipped with perforated metal grill provided with four mounting clamps. Easy installation is achievable through 4 clamps by simply turning the mounting screws clockwise on the front panel.

A variety of speaker power levels and impedances (taping) are easily selected via the screw terminal at the back of the basket. Settings for 100V high-impedance systems, as well as a low-impedance (8-ohm) position, are provided.

IMPORTANT

Please read this manual carefully and save it for future reference and follow all warnings and instructions marked on the product.

Handle the product with care and do not place it on an unstable cart, stand or table. The product may fall, causing serious damage to the product or individuals handling it.

Clean it only with a dry cloth and never use damp or spill liquid of any kind on the product.

Do not attempt to service this product yourself, as opening or removing covers may expose you to dangerous voltage points or other risks. Refer all servicing to authorized service center.

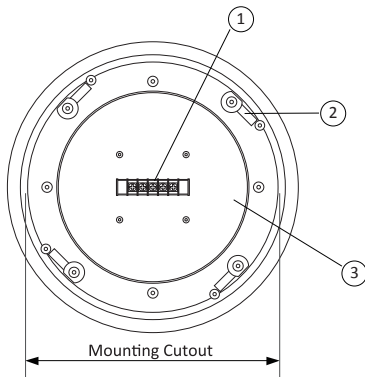
In case of product operation problems, damage or product change in performance please refer to the product instructions and for further aide please refer to the authorized service centers.

Use the necessary care to avoid hearing damage when using the product at close distance and high sound pressure levels, otherwise, please use an adequate hearing protection.

Connect the speaker either as low impedance or voltage line connection. Never mix connections or insert more than one amplifier into the input of the speaker and also do not use multi tap connection in one speaker.

To obtain the best performance, positioning of the speaker correctly. Refer to professional acoustics installer.

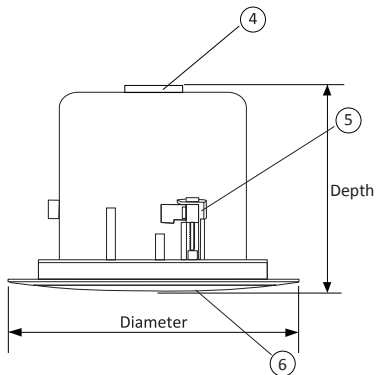
PRODUCT DIAGRAMS



Rear Drawing:

1. Input terminals
2. Mounting clamps (x4)
3. Aluminum back can

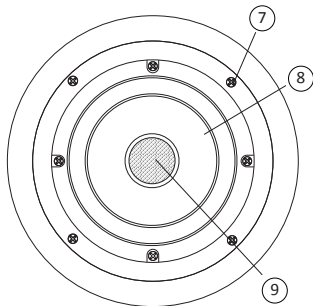
PRODUCT DIAGRAMS



Side Drawing:

- 4. Input terminals
- 5. Mounting Clamp screws (x4)
- 6. Front grill cover

PRODUCT DIAGRAMS



Front Drawing

(grill removed):

7. Mounting clamp screws (x4)

8. Coaxial driver

9. Tweeter

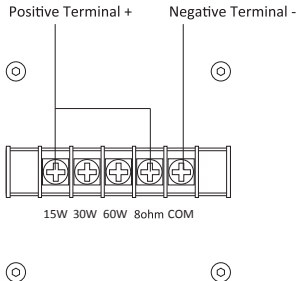
SPEAKER CONNECTION

All wiring should be done prior to installation and then plugged into the rear of the speaker.

Wiring is screwed into the terminals (refer the selecting power level section for different connections), one positive and one negative to accommodate speakers wiring of the system.

Keep the same polarity terminals wired together to ensure correct speaker polarity. In order to achieve the optimum sound quality of the speaker, all speakers in the system need to be pushing out and pulling in at the same time (same phase), therefore all speakers must be wired with the same polarity.

If the connections to one speaker in the system are reversed from the others, that speaker's movement will be out of phase with the other speakers. This results in a loss of low frequency response and will affect the overall performance of the system.



Screw terminal at
the back can of speaker

INSTALLATION

1) For suspended false ceilings, start by cutting a circular hole according to the mounting cut-out diameter for the appropriate model where the speaker will be installed. The edge of the hole must be at minimum 12mm away from the side of any obstruction to ensure that they will not interfere with the action of the clamps. Make sure the mounting clearance behind the speaker is adequate enough before any installation.

3) Remove the grill, insert a pocket knife blade between the grill and the baffle ring about 8mm deep and then gently move the grill upwards. Do this in multiple places around the circumference of the grill to free the grill.

4) Use pre-prepared wiring to connect the speaker terminals according to speaker connection stated previously.

5) Position the unscrewed swing-out clamps so that they are against the body of the speaker and insert the speaker into the opening in the ceiling.

6) Tighten the clamps by turning the clamping screws clockwise. Do not over-tighten the clamps - only tighten until the speaker is fairly snug in the mounting hole. If using an electric screw driver, set the clutch on the driver to the lowest setting.

7) Re-install the speaker's grill. Then, slap around the edge of the grill to seat the grill. The grill is properly seated when it is flush with the edge of the baffle ring.

PAINTING THE SPEAKER

Nox Audio ceiling speakers can be painted to match any interior colour scheme. Before painting, remove the grill and cover the speaker panel with a shield. Use a good quality spray paint to paint the baffle ring and grill. Make sure there is no excess paint on the grill that could block the perforations which will affect the sound quality of the speaker.

SELECTING POWER LEVELS

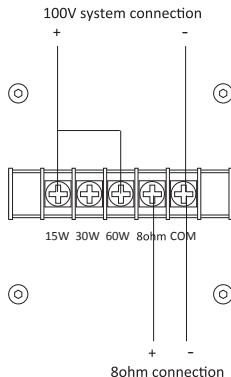
At the back of the basket, you will find a screw terminal input, which is used to set the appropriate power level or impedance for your system. Use a small flat-blade screwdriver to connect the input signal cable to the terminals.

100V Systems

The power setting scales for 100V system are labeled at the input terminal. On the 100V scale (60W, 30W and 15W) power tapping provided. You can select the required power level by connecting the positive input cable to the terminal.

8 ohm Systems

This setting is suitable for use with low-impedance amplifiers that typically support 4 or 8 ohm speakers. You can combine multiple speakers into series-parallel networks while keeping the total system impedance at a level suitable for low-impedance amplifiers.



WARRANTY

Nox Audio products are protected by a 1yr warranty from factory faults, the buyer must keep the original purchase invoice with the model number, serial number and date of purchase from the authorized dealer of Nox Audio to enjoy the warranty. To obtain the warranty service, the buyer should contact the local Nox Audio dealer with the description of problem on the product and provide the invoice and serial number of the product. Any repair service for defects after the warranty period will be charged according to the local dealer's service and parts charges. If the products are modified or adapted in order to comply with some safety standards in a national or local level in any country different from the originally developed and manufactured products by Nox Audio, this status will not be considered a factory fault. Free inspection and maintenance/repair work are excluded from this warranty, in particular, if caused by improper handling of product by user and normal wear and tear.

Damage/defects caused by the following conditions will not be covered by this warranty:

- Improper handling, neglect or failure to operate the unit in compliance with the owner's manual provided with the products.
- Connection or operation of the product in any way that is not complying with the technical or safety regulations in the country where it is used.
- Damage/defects caused by force majeure or any of the conditions that is beyond the control of Nox Audio.
- Any repair or opening of the unit carried out by unauthorized personnel including the user will void this warranty.

If the defected product inspected by the local dealer shows the defect in question is not covered by this warranty, the repair and inspection cost will be payable by the buyer. The warranty does not exclude or limit the buyer's statutory rights provided by law in the country where it is used since the law in different countries for warranty regulations are different. For more details of this warranty, please contact your local dealer.

SPECIFICATIONS	CL6-AL	CL8-AL
Frequency Response	65Hz- 20kHz	60Hz-20kHz
Impedance	(8Ω)/(70v or 100V)	
Sensitivity (1W@1m)	91dB	92dB
Power Tapping (in Watts)	100v :60/30/15 60@8Ωv	100v :60/30/15 60@8Ωv
Baffle/Back can Material	ABS / Aluminum	
Input Terminals	Screw terminals	
Woofer Type	6" Polypropylene Cone	8" Polypropylene Cone
Tweeter Type	1" Mylar Tweeter	1" Mylar Tweeter
Coverage Angle	90°	90°
Mounting Cutout	210mm	250mm
Min. Verticle Clearance	190mm	220mm
Dimensions (Dia x Depth)	240mm Dia x 180mm	280mm Dia x 210mm
Net Weight	3.2kgs	3.9kgs
Baffle Ring/ Grill color	Off White	

Nox Audio

E sales@noxaudio.com

W www.noxaudio.com

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Technical Department
techsupport@noxaudio.com

