

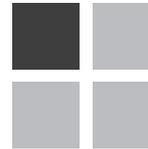
Noxaudio

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Technical Department  
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ENGLISH

SQ5  
SQ6  
SQ8

Coaxial Square  
Ceiling Speaker

OWNER'S MANUAL  
Version 1.2 Winter, 2019



SPECIFICATIONS	SQ5	SQ6	SQ8
Frequency Response	80Hz- 20kHz	70Hz- 20kHz	50Hz- 20kHz
Impedance	70V or 100V		
Sensitivity (1W@1m)	92dB	92dB	93dB
Power Tapping (in Watts)	100v :20/10/5	100v :30/15/7.5	100V : 40/20/10
Input Terminals	Cable Connection		
Woofer Type	5" Polypropylene Cone	6" Polypropylene Cone	8" Polypropylene Cone
Tweeter Type	1/2" mylar tweeter	1/2" mylar tweeter	1/2" mylar tweeter
Mounting Cutout	140mm x 140mm	190mm x 190mm	225mm x 225mm
Min. Vertical Clearance	90mm	105mm	110mm
Dimensions (H x W x D)	190mm x 190mm x 80mm	220mm x 220mm x 95mm	255mm x 255mm x 100mm
Net Weight	1.3kgs	1.7kgs	2.2kgs
Baffle Ring/ Grill color	Off-white		

## IMPORTANT

Please read this manual carefully and Save it for future reference. 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.

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

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 qualified service personnel.

If the product does not operate normally when the instructions are followed or the product has been dropped or damaged or the product exhibits a distinct change in performance, please refer it to an authorized service center.

Use the necessary care to avoid hearing damage when using the product at close distance and high sound pressure levels, if so, 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 DESCRIPTION

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

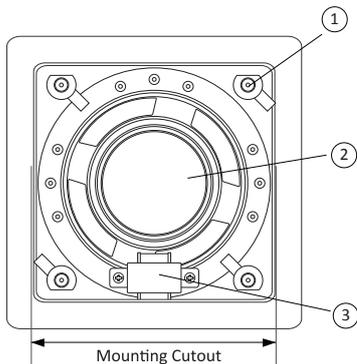
Noxaudio's coaxial ceiling speakers offer uncompromised audio performance for architecture installations with SQ5, SQ6 and SQ8, designed for background music, serving the quality of music as well as the intelligibility of speech. The ceiling speakers are built using a coaxial speaker consisting of a Polypropylene Woofer cone and a Mylar Dome Tweeter. The speaker's front panel is built with high quality moulded ABS and equipped with perforated metal grill. Four mounting clamps provided. Easy installation is achievable through the 4 clamps by simply turning the mounting screws clockwise on the front panel.

A variety of speaker power levels (taping) are easily selected via the different wiring from the power transformer at the back of the driver. Settings for 100V high-impedance systems in different power requirement, please refer to the page 6 - "Speaker Connection".

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## PRODUCT DIAGRAMS



### Rear Drawing:

1. Mounting clamps (x4)
2. Driver assembly
3. Power transformer with tapping out

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## WARRANTY

Noxaudio products are protected by a 1 year warranty against manufacturing defects, the original purchase invoice including model number, serial number and date of purchase from Noxaudio authorized dealer is requested to enjoy the warranty. To obtain the warranty service, the owner should contact the local Noxaudio dealer or representative with the description of problem and provide the original invoice. Any repair services after the warranty period will be charged according to local dealer's charges. Any modification or alteration applied to the product voids the warranty, and Noxaudio holds no responsibility for such action or consequences resulting from it.

The following conditions will not be covered by this warranty:

- Improper handling, neglect or failure to operate the unit in compliance with the owner manual provided with the products.
- Connection or operation of the product for any other purpose it was intended to or in any way that is not complying with the technical or safety regulation in the country where it is used.
- Damage/defects caused by force majeure or any condition that is beyond the control of Noxaudio.
- 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 repairing and inspection cost will be payable by the owner. This warranty does not exclude or limit the buyer's statutory rights provided by law in the country where used since the warranty laws and regulations vary in different countries.

For more details of this warranty, please contact your local dealer.

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## INSTALLATION

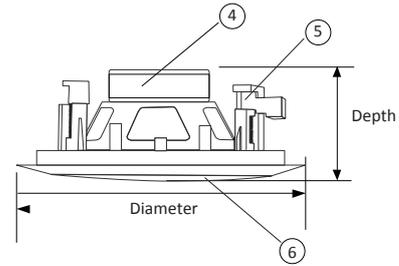
For suspended false ceilings, begin by cutting a circular hole according to the mounting cut-out diameter for the appropriate model where the speaker will be installed. The edge of the hole must be a minimum of 12mm away from any side obstructions to ensure that they will not interfere with the action of the clamps. Make sure the mounting clearance behind is adequate enough before any installation. With the front grill removed, use pre-prepared wiring to connect the speaker terminals according to speaker connection stated above. 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. 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. Set the power level using different tapping out from the transformer (refer to the Speaker Connection section for instructions on selecting the power level). Re-install the speaker's grill. Push the speaker grill in until it can go no further. Then, slap around the edge of the grille to seat the grille. The grill is properly seated when it is flush with the edge of the baffle ring. To remove the grill, insert a pocket knife blade between the grill and the baffle ring about 8mm deep and then gently pry the grill upwards. Do this in multiple places around the circumference of the grill to free the grill.

## PAINTING THE SPEAKER

Noxaudio 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 for the grill that will block the perforations which will affect the sound quality of the speaker.

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## PRODUCT DIAGRAMS

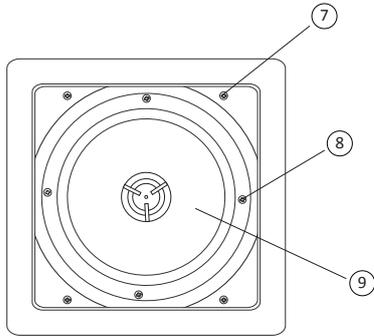


### Side Drawing:

- 4. Coaxial driver
- 5. Mounting clamp screws (x4)
- 6. Front grill cover

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## PRODUCT DIAGRAMS



### Front Drawing (grill removed):

- 7. Mounting clamp screws (x4)
- 8. Coaxial driver assembly
- 9. Coaxial driver

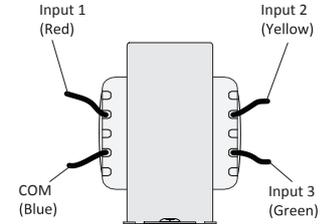
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## SPEAKER CONNECTION

All wiring should be done prior to installation and then plugged into the rear of the speaker. Wiring the input (+) positive to the cable from the transformer in Red, Yellow or Green accordingly to the required power level. And the input (-) negative to the Blue cable (COM). Please refer to the table for different power level.

Keep the same polarity terminals wired together to ensure correct speaker polarity. In order to provide the best possible sound, all speakers in a 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 a 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.



Cables from power transformer  
at the back of speaker

Cable	Power Level		
	CL5	CL6	CL8
Red	20W	30W	40W
Yellow	10W	15W	20W
Green	5W	7.5W	10W

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