

Du  Owner's Manual



To find a dealer near you, please visit our web site at: www.anthonygallo.co.uk
Anthony Gallo Acoustics, The Inox Building, Caldwellside, Lanark, United Kingdom ML11 7SR
Phone 0870 350 1348 • Fax 0870 350 1346



Fill Out Warranty Information on back, detach and return to us for your five year Du  product warranty.



ANTHONY GALLO
A C O U S T I C S

Anthony Gallo Acoustics
The Inox Building, Caldwellside
Lanark, United Kingdom ML11 7SR

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Introduction

Welcome to Anthony Gallo Acoustics!

Thank you for choosing us! Your Nucleus Due' speakers are unique in the world of loudspeakers. The patents we developed for the Nucleus series, including our S2 technology and our legendary CDT tweeter, have redefined the performance potential of compact loudspeakers.

Please take a moment to study this short instruction booklet and you'll be able to fully appreciate the ownership of state-of-the-art loudspeakers.

This manual covers general information regarding typical Due installations, and should satisfy most consumers. However, our website contains more detailed information on Due specifications and various applications. This website is a work that's constantly in progress and is updated with reports from users on their experiences with our speakers. Here you will find suggestions on room acoustics, tips for custom installations and suggestions on associated components that work especially well with our speakers. Please visit our website at www.roundsound.com or send us an e-mail at nucleus@roundsound.com with any comments or questions.

We think you'll be delighted at how easy it is to achieve life like sound quality from your Nucleus Due' speakers. So read on, and let's get started...

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State:	Zip:
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at other Speakers did you listen to before choosing the Nucleus?	

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Warranty Information

Our Nucleus Due' speakers are warranted to the original purchaser to be free of manufacturing defects for a period of five years. An original dated bill of sale must be retained and the warranty card filled out and returned to establish ownership of Anthony Gallo Acoustics Loudspeakers.

Anthony Gallo Acoustics Limited Warranty STATEMENT OF WARRANTY

We warranty this product to be free from all defects in material and workmanship for a period of five years parts and labor. This warranty will be void if:

1. Any defect in this product is the result of abuse, misuse, damage in transit, defective associated equipment, faulty hook-up, the use of the speakers with equipment for which it was not intended or acts of God.
2. The unit has been operated contrary to instructions contained in the accompanying Owner's Manual.
3. The unit has been serviced by unauthorized personnel.

Precautions when installing this product:

Special care must be taken when installing this product to walls, ceilings, or other surfaces. Fasteners must be secured to surfaces and tested before installing speakers. Good judgment and care must be undertaken to ensure proper results. If you are unsure of the proper installation of fasteners, inquire from qualified sources before taking unnecessary risks.

Warranties:

Anthony Gallo Acoustics (manufacturer) warranties this product for five years from date of purchase. Should any part supplied become defective, return item to manufacturer. A replacement part shall be forwarded upon receipt. The manufacturer, distributor, or their respective agents cannot be held responsible for any injuries or property damage caused by the improper use or installation of this product.

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About The Due'

Like all Anthony Gallo Acoustics loudspeakers, Due uses our proprietary "S2" technology, which extends low frequency response two full octaves lower than would otherwise be possible in speakers of this size. S2 technology improves something called "Volumetric Efficiency," which measures how the speaker's drivers perceive the size of their enclosure. While a typical speaker's volumetric efficiency is between 1 and 2, our technology gives us a rating of 10. This means that our speaker operates as if its enclosure was 10 times its actual size. At the same time, the acoustic fill material (ie., the stuffing inside the enclosure) mass-couples to the cone at low frequencies. By adding the mass of Please remember that, because our proprietary fill material needs to properly distribute itself within the enclosure, all Nucleus Series speakers have a initial break in period of approx. 60 hours. Assure that your Dues have been fully broken-in before conducting any critical listening.

Unique among all currently-produced loudspeakers, Due employs our remarkable CDT (Cylindrical Diaphragm Transducer) tweeter--widely acclaimed as the finest high frequency driver available. It is yet one more patented component that distinguishes Anthony Gallo Acoustics from other loudspeaker manufacturers. The CDT starts with a diaphragm membrane made of Kynar™, a cutting-edge aerospace plastic. This Kynar™ diaphragm is then coated with pure silver, an expensive metal used because of its high conductivity and long-term reliability. Next, we silver solder high purity OFC (oxygen free copper) wires to each end of the diaphragm. Finally, the diaphragm assembly is tightly wrapped around a rigid polypropylene core. This inner core provides complete attenuation of the driver's backwave. Unlike conventional drivers, the CDT doesn't use a voice coil or magnets. Instead, the signal is passed across the conductive surface of the diaphragm, which attempts to expand, while the shape of the driver supplies the necessary restorative force.

The performance benefits of CDT technology are dramatic. With more diaphragm area than two dozen 1" dome tweeters, our transducer has virtually unlimited output capability. At the same time, the lack of voice coils, coil-formers and surrounds means the CDT has very low moving mass, so it can respond more quickly to high frequency transients. Power handling is virtually unlimited, which means your CDT cannot be damaged by amplifier overload. Finally, its cylindrical shape endows the CDT with a dispersion pattern of 120 degrees and delivers the same response off-axis as it does on-axis. For the music lover as well as the video enthusiast, this wide dispersion means that

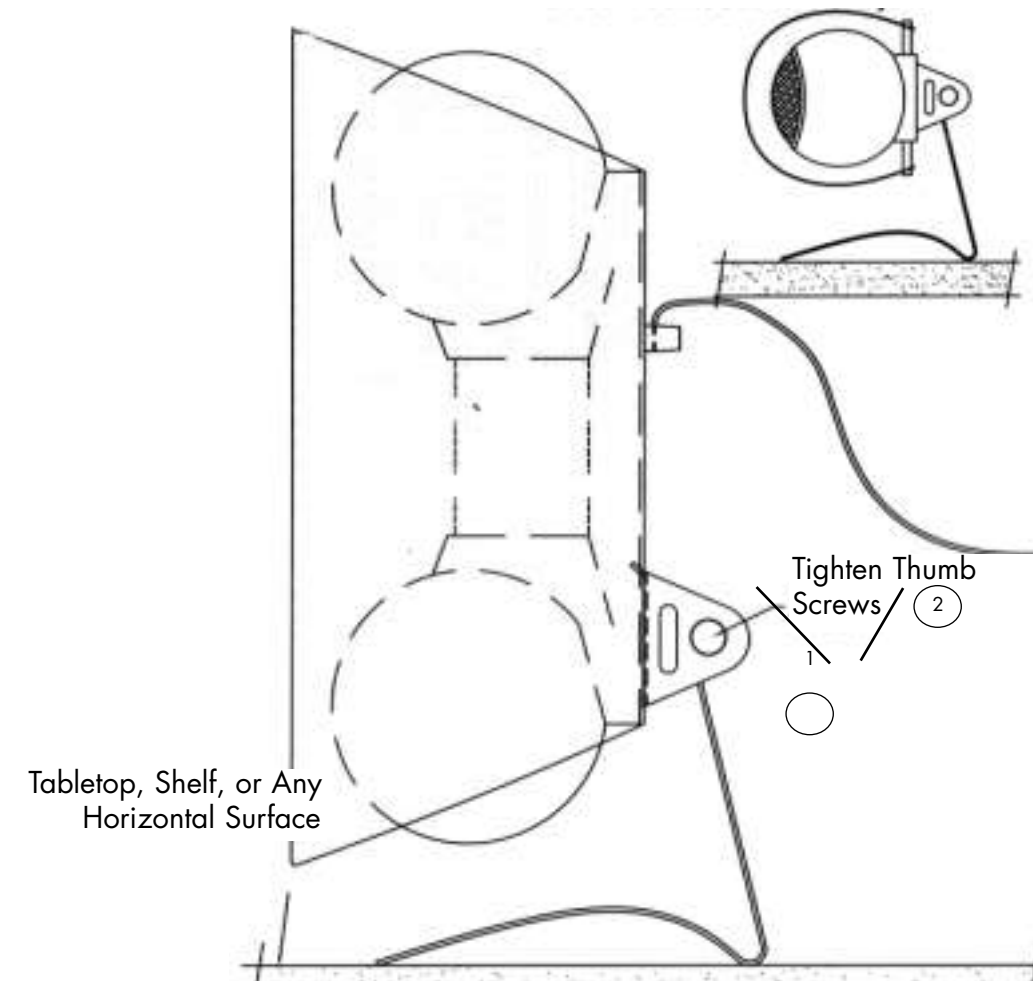
Connecting your Nucleus Due' Speakers

1. Turn off your amplifier or receiver before connecting wire, or severe damage may result.
2. Selecting wire. We have researched the ways in which wire affects speaker performance, and have developed a solid core 18 gauge, oxygen free copper wire to optimize performance of Due. Our wire can be purchased from your dealer. If you prefer to use different cables, choose a product that, for runs of 25 feet or longer, is 16-gauge or greater.
3. Wires are attached to the plastic terminals on the back of the speaker. These "five-way" binding posts can accept either bare or terminated wire leads. In any event, make sure connections are secure, and that proper polarity is maintained (see #4, below).
4. In order to preserve the integrity of the signal supplied to the speakers, proper polarity is critical. The black (-) terminals on the satellites must be connected to the black terminals on the other end of the wire (receiver or subwoofer). The same is true for the red (+) terminals at both ends of the wire.
5. For 2 channel stereo playback, Dues may be connected directly to the amplifier, although our powered sub will give more extended bass performance. (For the best blending of sub and satellite, set the subwoofer's crossover frequency between 60 and 80Hz)
6. For home theater use, there will be several connectivity options.
Option 1: Connect five or more of our speakers (Due' in the front and the Micros in the back, for example) to the receiver or amplifier and set all of the channels to the small speaker setting. Connect a powered subwoofer directly to the subwoofer output from the receiver or processor, sometimes called LFE (low frequency effect).
Option 2: Connect the center and rear surround channels directly to the receiver and set it to the small speaker setting. If your subwoofer has speaker wire terminals you could select the full-range setting on your receiver or processor, connect the main speaker wires from the receiver (or amplifier) to the high level inputs of your sub and from the sub, run cables to the left and right main speakers. This would allow you to use the frequency control on the sub for adjustments. (Typically 60 to 80Hz for the Due')
7. Tips for Optimizing Bass Response: Due to a phenomenon known as "boundary effects," low frequency extension is augmented when mounting Due on a wall rather than a stand. The closer to a wall Due is located, the more extended the bass will be. For deepest bass response, the addition of a powered subwoofer, with its crossover set between 60 and 80 Hz, will add a solid foundation to your music or home theater experience.

Installation Instructions Due Table Mount Continued

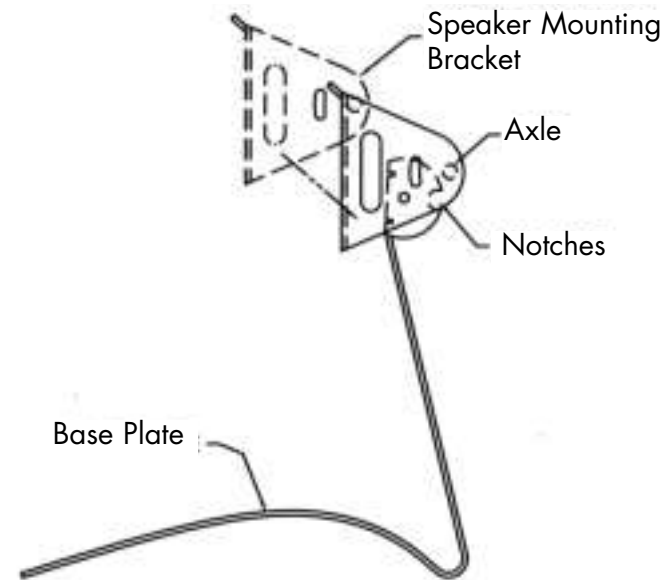
Step 3) Mount Speaker on Stand and use 3rd Thumb Screw to secure Speaker to Stand. Re-adjust angle of speaker if necessary and re tighten Thumb Screws until snug. Hang Due' onto bracket assembly by tipping speaker mounting slot, on rear side, onto bracket extension. Attach speaker wires and enjoy.

(Option: Speakers can be mounted Horizontally as shown)

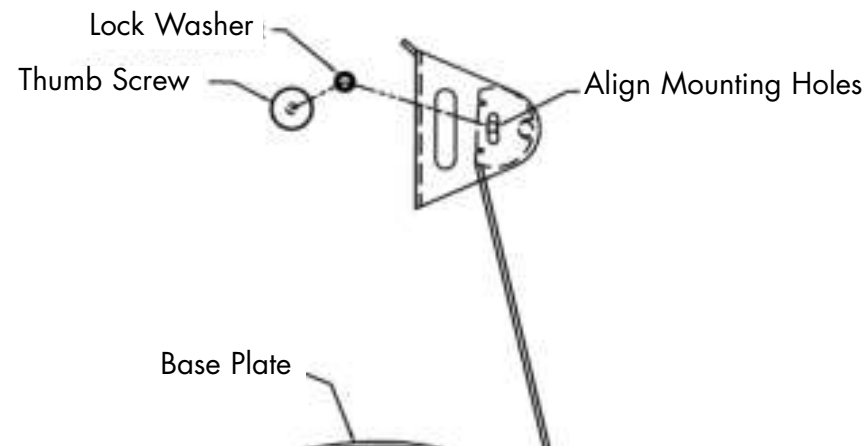


Installation Instructions Due Table Mount

Step 1) Slide Speaker Mounting over Base Plate and align Base Plate notches with axle. Pull bracket snugly over axle until holes are aligned



Step 2) Use Thumb Screws (2) with Lock Washers to secure Speaker Mounting Bracket to Base Plate. Pre Adjust angle of bracket and snugly tighten Thumb Screws.



Placement of your speakers

These speakers are packaged with both a pedestal stand and a wallmount bracket. They can be mounted vertically or horizontally on either of the supplied brackets. Mounting can also be accomplished with dedicated floor stands. Whether used on a shelf, wall or floor stand, Dues have been designed to provide extended, tonally neutral frequency response and create a vast, panoramic soundstage. When wall mounting, you may experience an increase in low frequency output from interaction between the speaker and the wall structure.

When placing these speakers atop a flat, horizontal surface, try to keep them near the front of that surface. For the best performance, the speakers should be located within 1-2" of the front edge. Placing the speakers toward the back of the horizontal surface causes diffraction effects, where the sound reflects off the surface in front of the speaker and interferes with the directly radiated sound.

The position of the speakers in your room directly affects their performance. Small placement adjustments within a room can sometimes create large performance changes. Experiment by moving the speakers farther apart and closer together, toeing speakers toward the listening position, then varying the distance between the speakers and the wall behind them, until you achieve the desired affect. You may want to start by placing the speakers 6 to 10 feet apart depending upon your actual room size and listening position.

Main speakers should be placed at about the same height from the floor as the seated listener's ears, and may be angled ("toed") slightly toward the listening position. Center channel speakers should be located as close as possible to the center of the screen. Generally, this means placing the center atop of the TV or, if the set is elevated, underneath. Surround placement will vary greatly depending on the layout of the room. Discuss surround location this with your salesperson or contact us directly at nucleus@roundsound.com

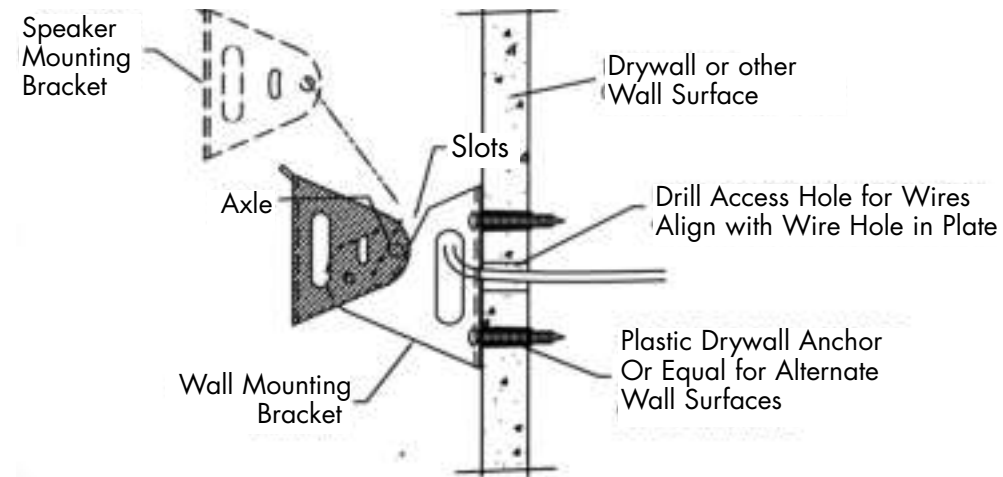
Anthony Gallo Acoustics speakers are generally sold through specialty audio retailers who provide their customers with highly qualified salespeople. They will be happy to advise you on how to get the best performance from you speakers.

Speaker Grilles

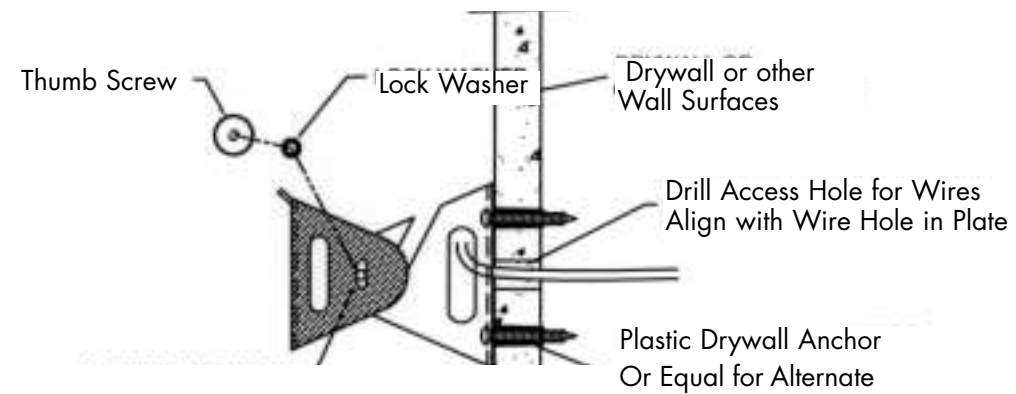
Your Dues are supplied with removable, perforated metal grilles. With its simple, streamlined profile, these sconce-shaped grilles allow Due to compliment virtually any décor. Of course, many owners will prefer the "High Tech" look of the speaker without its grille. Due has been engineered to perform

Installation Instructions Due Wall Mount

Step 1) Attach Wall Mounting Bracket to wall surface with plastic anchors (or equal) and pan head screws. Slide Speaker Mounting Bracket over Wall Mounting Bracket by aligning axle with slots. Pull Speaker Mounting Bracket down until Thumb Screw holes are aligned



Step 2) Use Thumb Screws (2) with Lock Washers to secure Speaker Mounting Bracket to Base Plate. Pre Adjust angle of bracket and snugly tighten Thumb Screws.



Installation Instructions Due Wall Mount Continued

Step 3) Re-adjust angle of speaker if necessary and re tighten Thumb Screws until snug. Hang Due' onto bracket assembly by tipping speaker mounting slot, on rear side, onto bracket extension. Attach speaker wires and enjoy.

(Option: Speakers can be mounted Horizontally as shown)

