

# Nucleus Micro Owner's Manual



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



**ANTHONY GALLO**  
A C O U S T I C S

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



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A C O U S T I C S

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

Place  
Stamp  
Here

Name:	Date Purchased:
Address:	
City:	State: Zip:
Telephone:	Email:

Where did you first hear about the Nucleus Micro?

Magazine     Web     Dealer     Other

How influential was your dealer in your decision to purchase the Nucleus Micro?

Very     Somewhat     Not At All

What type of Micro system did you purchase?

Stereo     Home Theatre

What other Speakers did you listen to before choosing the Nucleus Micro? \_\_\_\_\_

From what dealer did you purchase your Nucleus Micro? \_\_\_\_\_

How would you rank your Nucleus Micro in terms of:

	Excellent	Very Good	Good	Fair	Poor
Appearance					
Build Quality					
Size					
Sound Quality					
Ease of Set Up					
Mounting Options					
Match my decor					
Owners Manual					

# Introduction

Welcome to Anthony Gallo Acoustics!

Thank you for choosing us! Your Nucleus Micro speakers are unlike any other speaker system. Our Nucleus technology has patents granted which redefine the way the laws of physics are applied to loudspeakers. The measure of our confidence in our designs is the 5 year limited warranty we offer.

Please take a minute to study this short group of instructions and you'll be able to gain all the satisfaction that state of the art performance can bring.

This manual covers general information on typical installations, for most consumers. However, our website contains more detailed information on specifications and specific applications. This is a work constantly in progress, updated by reports from users on their experiences with Nucleus Micro systems. Here you will find suggestions on room acoustics, comments on specific electronics that work especially well, and custom installation hints. Check us out at [www.anthonygallo.co.uk](http://www.anthonygallo.co.uk) or e-mail us at [enquiries@anthonygallo.co.uk](mailto:enquiries@anthonygallo.co.uk) with your comments. If you have a problem with installation, please call us for help or check the website. We value our customers' feedback, and look forward to seeing your input on our website.

We think you'll be delighted at how easy it is to connect your Nucleus Micro Speakers, and how amazing the sound quality will be. So read on, and let's get you started.

## About your Nucleus Micro Satellites

These satellites use our proprietary 'S2' technology, which extends low frequency response a full two octaves lower than otherwise possible. The Micro satellite speakers in this carton are only 4" in diameter, but combined with our subwoofer, behave as though they were as large as bookshelf systems many times their size. They never sound thin, as do other satellite systems their size. The enclosures are steel. The spherical shape compresses the back wave of the driver to a point source, this maintains phase integrity. Eliminating crossovers allows a sound stage depth and resolution impossible for conventional speakers, no matter how expensive or large they might be.

## Connecting your Nucleus Micro Satellites

1. Turn off your amplifier or receiver before connecting wire, or severe damage may result.
2. Selecting wire. We have researched the ways wire affects speaker performance, and developed the 18 gauge, oxygen free copper wire included in your carton. This wire is carefully matched to the requirements of the Micro satellites, and will give you the best performance possible. It is stiff, because it is solid core. If for some reason you must substitute wire, use oxygen free at a minimum and 16 Gauge for runs of more than 25 Ft.
3. We have stripped both ends of our wire for you. To place the wire on terminals, bend a hook and wrap it around the binding post, before screwing down the red or black post. At the beginning, use the entire length of wire provided, as described in the placement section. After experimentation, you can cut the wire to the correct length for your installation.
4. Polarity is critical, to maintain phase integrity of signals to any speaker. The black (-) terminals on the satellites must be connected to 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. We've made this easy by color coding our satellite hook up wire.

## Warranty Information

**EXCLUSION OF CERTAIN DAMAGES.** Anthony Gallo Acoustics liability is limited to the cost of repair or replacement, at our option, of any defective part or product and shall in no event include incidental or consequential damages of any kind.

The above provisions do not preclude the operation of any state statute which in certain circumstances may not allow some of the limitations and exclusions described in this warranty.

To obtain warranty service, please call the dealer from whom you purchased your equipment.

**WHAT WE WILL PAY FOR.** We will pay all labor and material expenses for covered items, but you must pay any shipping charges if it is necessary to ship the product to us or to an authorized Nucleus Micro dealer. If the repairs are covered by warranty, we will pay the return shipping charges.

**THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.**

## Warranty Information

Our Nucleus Micro satellites do not have serial numbers, but are warranted to the original purchaser to be free of manufacturing defects for a period of five years. To activate your warranty please fill out and return the warranty card. A copy of the original dated bill of sale must be retained, as it will be required for any warranty repairs.

### 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. This warranty extends to the original retail purchaser only, and not to subsequent purchasers or users of this product. Warranty is only valid in country of purchase

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.

All other warranties, express, implied or statutory, including but not limited to warranties of merchantability or fitness, and all other obligations or liabilities of Anthony Gallo Acoustics are limited in time to the period of warranty granted hereby.

## Connecting your Nucleus Micro Satellites

5. For 2 channel stereo playback , connect your satellites to your subwoofer or another brand which allows for high level inputs and outputs. You must also be able to adjust the crossover to only allow frequencies of 80hz and above to go to the Micros. (preferably 100 or 120hz and higher) Going below this frequency can cause damage to the speakers that may void the warranty.

6. For home theater use , There are two options.

Option 1 . Connect five satellites directly to the receiver and set all channels to the small enclosure setting. Connect a powered subwoofer directly to the special subwoofer output on the receiver, usually called LFE

Option 2 . Connect the center and rear surround channels directly to the receiver and set to small enclosure. Connect the front channels (left & right) to the subwoofer via the high-level speaker outputs. The subwoofer will need to have an adjustable or fixed crossover that can be set to only allow frequencies of 80 hz and higher at a minimum to go to the Micros. (preferably 100 to 120hz and higher) Once this has been done, then connect the subwoofers high level inputs to the receivers speakers connections. It is very important to always be consistent with the (+ & -) of the speaker wires to avoid phase problems. Wiring in this manner will allow you to run the front left and right speakers at full range. (Large enclosure) A second subwoofer could also be run off the LFE outputs of the receiver to further enhance the bass that is increasingly more apparent in the digital recording era.

### Caution ! For Home Theater Use:

Before playing speakers make sure that your receiver is set to "small" or crossed over at 80, 100 or 120 Hz. These satellites can not handle full range or "large" settings. If you do not do this, you may destroy your speakers. Please follow all instructions in this manual.

## Placement of Satellites Speakers

1. Wallflower stands are available in black, white and stainless steel. Follow assembly and placement instructions packed with the stands.
2. Micro satellites have a 1/4- 20 threaded insert on the back. Most dealers stock wall brackets that will fit this insert. They also interface with a pin when used with our wallflower stands.
3. The small doughnut shaped rings packed with your satellites are acoustic isolation rings which are bases for the satellites. They allow you to place the satellites on any flat surface, like a TV set or bookshelf. Our steel enclosure provides magnetic shielding.
4. When placing the satellites on a flat surface, keep the front of the satellite near the front (within 1-2') of the surface for best performance. Placing the satellite toward the back of the surface causes diffraction effects, where the sound bounces off the surface directly in front of the speaker and interferes with the directly radiated sound.
5. The position of any speakers in your room directly affects their performance. Small room placement changes can produce large performance changes. Experiment for best results. Place front channels about 6 to 10 feet apart, depending upon room size and listening position. The listening position should not be closer to the speakers than the distance between the speakers.
6. Main speakers should be placed about ear height, and angled slightly toward the listening position. Center channel speakers should be placed on top of the TV set and angled toward the listening position. Surround speakers should be ear height or higher, and angled toward the listening position. However, surround placement is not as critical as the other channels.
7. Our speakers are sold only through highly qualified audio specialists. They will be happy to advise you on how to get the best performance from your installation. Be sure to ask them directly.

## Specifications

In power terms, you simply do not need more than the most ordinary receiver. You'll be surprised at just how good such a unit can sound when you have speakers that are designed to work with it. You will, most likely, get great results even from an old receiver or mini rack system.

Issues of current vs voltage consumption are too involved for this owner's manual. Let us say simply that a unique benefit of our 'S2' technology is to greatly reduce the current required for satisfying performance. Since the first victim of cost reduction in mass market amplifiers is high current capability, this means that A/V receivers sound better on Micro systems than on other less efficient speakers.

The Micro system is designed for amplifiers up to 100 watts per channel, when the satellites are connected to our subwoofer. Larger amps are capable of overdriving the speakers. When the satellites are connected directly to an amp or receiver, they are designed for 40 watts per channels above 90hz (the small enclosure setting). This is approximately the (small enclosure) setting on most A/V receivers. Higher power or lower frequencies may damage the speakers and void the warranty.

Frequency Response	80Hz to 18 KHz
Sensitivity	89db / 2.8v into 1M
Nominal Impedance	8 Ohms
Power Handling	100 Watts
Driver	3" Full Range
Dimensions	4" Sphere
Weight	1.75 Lbs.
Height on Wallflower Stand	36"