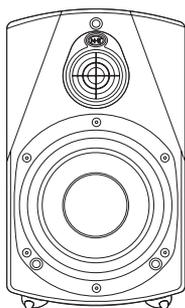




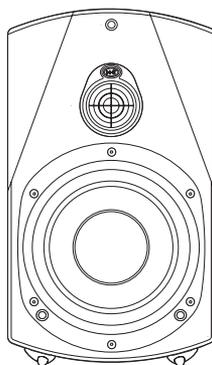
Classic

Setup Guide

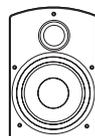
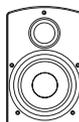
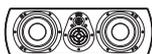
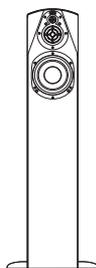
Absolute  
Zero



Two



Loudspeakers



NHT's Classic Series represents our best efforts to date in passive loudspeaker design. Classic starts with the design fundamentals that have made NHT's reputation for accuracy and high performance, and adds new driver and cabinet technologies which reduce distortion and improve dispersion. The benefit to you is a more articulate, more musical listening experience.

All Classic Series models share a similar "voice" or tonality so that you are assured a matched system no matter which models you decide to add as you build your system.

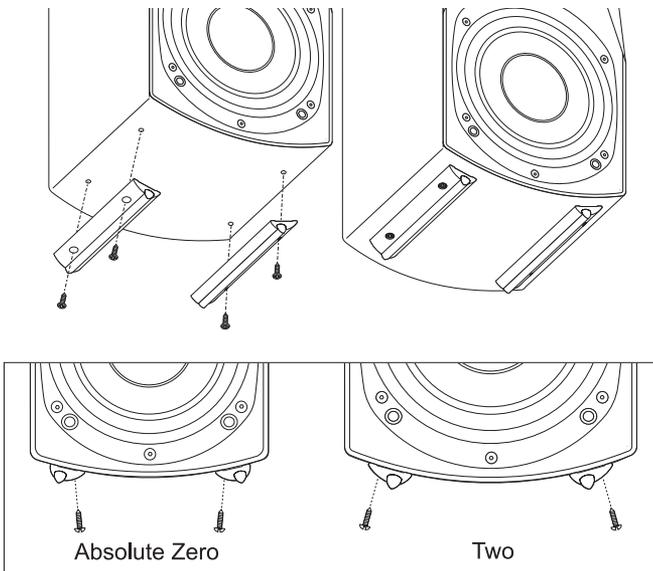
The following Setup Guide will help you unpack, connect and place your new Classic loudspeakers in your listening room. If you are interested in specifications or the technology used in the design, please visit our website at [www.nhthifi.com](http://www.nhthifi.com) and look up information on your specific model. If at any time during or after setup you require assistance, feel free to call our Customer Hotline at 1-800-NHT-9993 (800-648-9993).

This Setup Guide addresses the following models: Absolute Zero and the Two. Both are 2-way, acoustic suspension systems and are compact enough to hang on walls, be placed on shelves or put on stands. As a note, NHT no longer sells speaker stands, but your authorized dealer can help you find a stand for your specific requirements.

## Unpacking your Speakers

As you unpack your Classic bookshelf speakers, you will notice two silver aluminum bars with attached rubber rails included in the carton. These will require mounting to the bottom of each speaker if you decide to place your speakers either on stands or on shelves. Fig. 1 demonstrates how to mount the bars to the bottom of the cabinet.

**Fig. 1**



If you plan to hang your speakers on the wall, you will need to purchase brackets to accomplish this. On the back of the speaker cabinet are either one or two 1/4"-20 threaded inserts located underneath a 3/8" hole. The threaded inserts are used to mount a speaker bracket. NHT recommends that you use OmniMount brackets - please ask your authorized NHT dealer or you can visit OmniMount's web site at [www.omnimount.com](http://www.omnimount.com) or call their toll-free number at 1-800-668-6848. OmniMount makes a variety of sizes and arm lengths. For the Absolute Zero, and the Two, use their 20 series. Instructions for mounting are available from OmniMount. Caution: The speakers are heavy enough that if not mounted properly to a wall stud they could fall. If you are not comfortable with completing this operation yourself, ask your dealer for assistance or contact a professional.

## Placement

It is important to know that small changes in speaker position can have an effect on sound quality. Moving speakers nearer to walls or corners will increase bass output, but also may make them sound "boomy." Placing them farther away from room boundaries tends to decrease bass output, but can improve stereo imaging.

Room furnishings also play an important role. Soft furnishings (sofas, carpets, curtains) absorb mid and high frequencies, which can dull the sound, while hard surfaces and sparse furnishings tend to brighten it. These are typically minor variations in sound quality. Experimenting with the effects of different placements in your own listening environment is the key to finding the sound you like best.

Here are some tips for maximizing the performance of your speaker system:

► Position the speaker 1.5 times as far away from you as they are from each other. (Fig. 2)

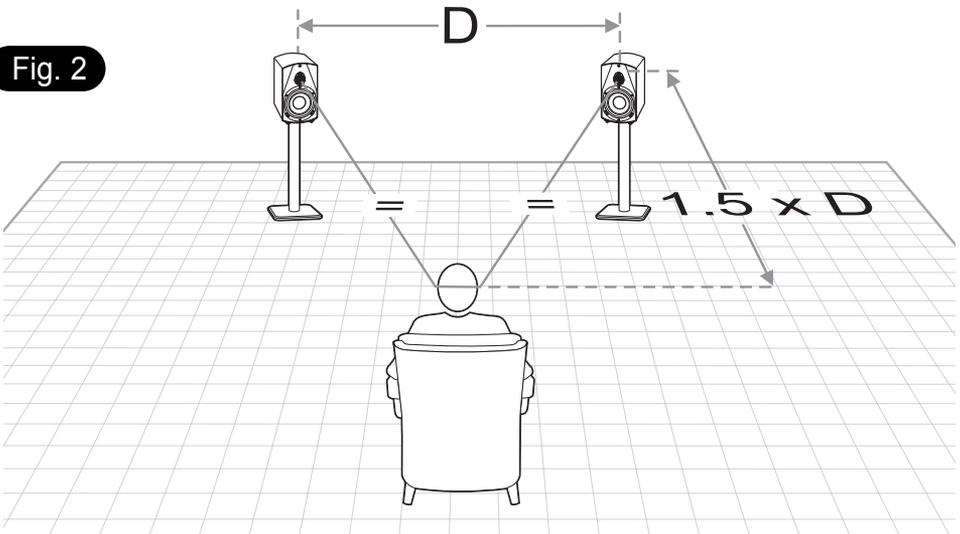
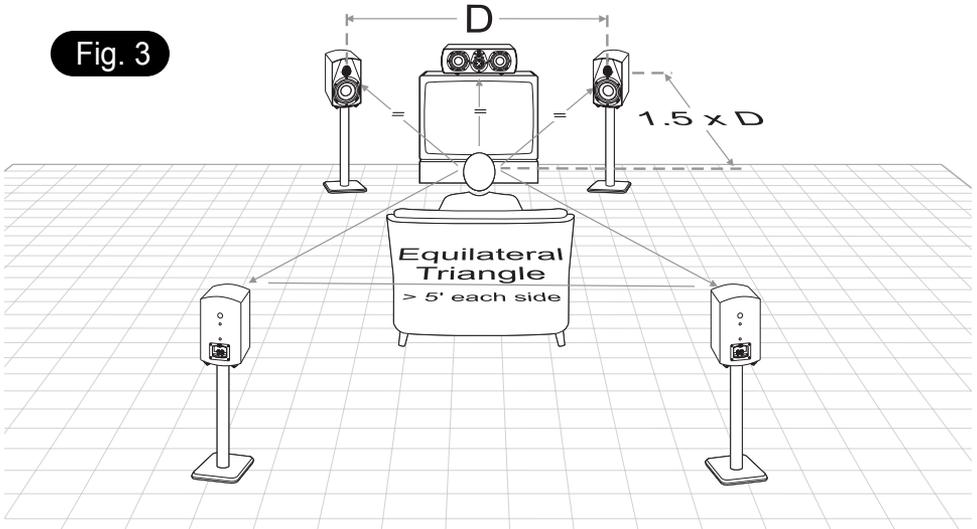


Fig. 2

- ▶ Left and Right speakers should be equidistant from the listening position. Try to keep tweeter height close to ear level when in the listening position.
- ▶ Speakers should be placed upright.
- ▶ Try to keep the speakers near the front edge of shelves or cabinets.
- ▶ Point them inward slightly toward the listening position.
- ▶ For surround systems, use the same basic setup - all shown in (Fig. 3) - and when possible:

**Fig. 3**



- ▶ Place the center channel speaker right above or below the TV.
- ▶ Place the rear speakers in an equilateral triangle with the listening position, at least 5' apart.
- ▶ Rear speakers should be at the same height, or higher than, the front channels.

Obviously many rooms will not allow ideal placement. As a general rule, try to keep the rear channel speakers equidistant from the center of the listening area. If the rear speakers have to be close to the main seating area, add time delay to them in your surround processor to make them seem farther away, and make sure they are placed high, above the heads of the listeners.

## Connections

*Before connecting your Classic speakers to your receiver/amplifier, turn off the AC power to avoid potential damage to your components.*

Take a look at the terminals on the back of your speakers. They can accept raw wire, banana plugs or spade lugs. Note that these terminals should be tightened only by hand, as excess force can break them. We recommend your speaker wire be at least 16 gauge. Your NHT dealer can recommend the correct wire. Use the same length of wire for each channel.

Prepare the wires by stripping ¼" - 3/8" of insulation from the ends and tightly twist the exposed strands.

Finally, connect your speakers to your amplifier or receiver, making sure that the speakers are "in phase," that is, the same half of the wire pair connected to the Positive terminal (+, usually red) on both the amplifier and the speaker. The other half of the same wire connected to the Negative (-, usually black) terminals on both amplifier and speaker.

Most speaker wire has one half of the pair marked with either lettering, ridges, the "+" sign or color to help you make the proper connections.

Before powering up your receiver/amplifier, make sure there are no stray strands from one terminal touching the other terminals. Also, try to keep speaker wires from laying across AC power cords.

## Operation

All NHT Classic speakers are compatible with most amplifier power ranges and are designed to handle a wide range of listening levels. Every speaker, however, has limits and it is important to listen for them. Speaker damage most often occurs from sustained high volume levels in some or all frequencies. Try to avoid excessive bass or treble settings or equalizer boosts.

The best tool you have is your ears. If you hear unusual distortion or breakup, decrease the volume immediately. If you are unsure, place your hand close the woofer. If you feel heat radiating from the driver, you are playing the system beyond its limits.

# Maintenance

Your NHT speakers will require little if any maintenance under normal use. Try to avoid exposing them to direct, sustained sunlight, high temperatures or moisture. Cabinets can best be dusted using a clean, soft chamois cloth. The finish on your speakers is durable but dry rough cloth can leave fine scratches over time. Try to avoid using liquid cleaners and household furniture polish, particularly around the speaker components. To clean grilles, remove them from the speaker and use a soft brush or a vacuum on its lowest setting. Do not attempt to clean the speaker components.

# Satisfaction

We hope you enjoy the sound of your NHT Classic speakers as much as we do. Your warranty is printed on the back of this Setup Guide. Once again, if you have any questions or problems, please call us at our Consumer Hotline.

## Limited Warranty Valid Only in the U.S.A.

### Warranty Period

For a period of 5 years for parts and 5 years for labor (1 year parts and 90 days labor for electronics) from the date this product is first purchased from an authorized NHT dealer, Now Hear This (NHT) warrants that if it fails to function properly due to a manufacturing defect, despite its being installed and operated according to these instructions and used under normal conditions, it will be either replaced or repaired with new or rebuilt parts (both at NHT's option) with a unit of comparable value without charge to you.

### What's Not Covered

#### **Altered, defaced or removed serial numbers void this warranty.**

This warranty does not cover any product used in trade, business, industrial or commercial applications.

This warranty also does not cover the cabinet or appearance factors, or costs, defects or damage resulting from misuse, abuse, accident, improper maintenance, alterations or modifications not authorized in writing by NHT, or parts or labor from any source other than an authorized NHT service location.

Damage due to power exposure in excess of the speaker's published power ratings; ie, overpowering, lightning or power surges, are also not covered.

### Your Rights

This warranty gives you specific legal rights, and you may have other rights which vary from state to state.

NHT limits this warranty to the purchase price of the product, excludes incidental or consequential damages, and limits its obligations under any implied warranties under state laws to a period not exceeding their warranty periods. As some states do not allow the above limitations, however, they may not apply to you.

### To Obtain Service

To find the name and address of the nearest authorized NHT service location, call or write:

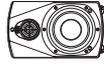
**Customer Service Department, NHT, 6400 Goodyear Rd., Benicia, CA 94510, 1-800-NHT-9993 (648-9993),  
[www.nhthifi.com](http://www.nhthifi.com)**

**For your future convenience, please keep this warranty with your sales receipt, and record date and place of purchase for further reference.**



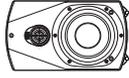
# Classic

## Absolute Zero



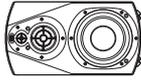
2-Way Acoustic Suspension

## Two



2-Way Acoustic Suspension

## Three



3-Way Acoustic Suspension

## Four



4-Way Bass Reflex

## Two C



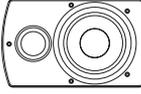
3-Way Acoustic Suspension

## Three C



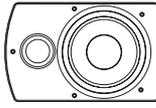
3-Way Acoustic Suspension

## Ten



Bass Reflex / Powered - 150 watts Class G Amplifier

## Twelve



Bass Reflex / Powered - 250 watts Class G Amplifier

### System Type

### Driver Complement

Tweeter-

Midrange-

Woofer-

Video Shielded Unless Noted

### Response

### Sensitivity

### Impedance

### Recommended Amplifier Power RMS

### Weight

### Dimensions

H" x W" x D"

### Finish

0.75" fluid cooled aluminum dome with neodymium magnet structure

2" fluid cooled aluminum dome with neodymium magnet structure

6.5" Aluminum

(2) 5.25" Aluminum

(2) 6.5" Aluminum

10" Aluminum (Not Video Shielded)

12" Aluminum (Not Video Shielded)

6.5" Aluminum

6.5" and 10" Aluminum

(2) 6.5" Aluminum

12" Aluminum (Not Video Shielded)

10" Aluminum (Not Video Shielded)

12" Aluminum (Not Video Shielded)

5.25" Polypropylene

6.5" Aluminum

(2) 5.25" Aluminum

(2) 6.5" Aluminum

10" Aluminum (Not Video Shielded)

12" Aluminum (Not Video Shielded)

12" Aluminum (Not Video Shielded)

2-Way Acoustic Suspension

2-Way Acoustic Suspension

3-Way Acoustic Suspension

4-Way Bass Reflex

3-Way Acoustic Suspension

3-Way Acoustic Suspension

Bass Reflex / Powered - 150 watts Class G Amplifier

Bass Reflex / Powered - 250 watts Class G Amplifier

71Hz - 20kHz +/- 3dB

51Hz - 20kHz +/- 3dB

45Hz - 20kHz +/- 3dB

27Hz - 20kHz +/- 3dB

78Hz - 20kHz +/- 3dB

73Hz - 20kHz +/- 3dB

31Hz - 180Hz +/- 3dB

27Hz - 180Hz +/- 3dB

86dB / 2.83v

86dB / 2.83v

86dB / 2.83v

86dB / 2.83v

87dB / 2.83v

87dB / 2.83v

87dB / 2.83v

87dB / 2.83v

6 ohm nominal

6 ohm nominal

8 ohm nominal

6 ohm nominal

8 ohm nominal

8 ohm nominal

8 ohm nominal

8 ohm nominal

Maximum 100 watts

Maximum 125 watts

Maximum 150 watts

Maximum 250 watts

Maximum 175 watts

Maximum 200 watts

Maximum 200 watts

Maximum 200 watts

8 lbs.

12.7 lbs.

17 lbs.

64.3 lbs.

20 lbs.

23 lbs.

41 lbs.

49 lbs.

9.75 x 5.625 x 7.25

12.125 x 7 x 8.875

13.75 x 7.5 x 10.375

41 x 7.5 x 16

6.5 x 19.875 x 7.375

7 x 21.875 x 8.25

18.125 x 11.25 x 15

20.125 x 14 x 15.75

White or Black High Gloss Piano Finish

White or Black High Gloss Piano Finish

All Classic Series products are sonically matched for seamless integration into multichannel systems.