



# **NOVUS SPEAKERS OWNER'S MANUAL**

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# Congratulations!

You're moments away from experiencing your new Novus speakers. We're honored that you chose Aperion Audio to bring your music and movies to life!

Feel free to contact us if we can answer any questions or provide you with setup advice. Above all, enjoy!

- Aperion Audio Team

## Safety instructions

Switch off your amplifier before connecting your new speakers. Make sure that the speaker cables are tightened and have a strong connection to the speaker terminal and amplifier terminal.

Listening to high sound pressure levels over a longer period of time may harm your hearing. To avoid hearing loss, do not listen to high sound levels over a prolonged period of time.

## Quick Setup

The initial set-up of your Novus loudspeaker is relatively easy. Please take your time reading the guidelines and more detailed instructions on the following pages of this manual after completing the first four steps below.

- 1. Unpacking.** Carefully remove the loudspeaker from the packaging and position it with its underside on the floor. Do not use any sharp objects for the unpacking since they may scratch the speakers. We strongly recommend that you keep the box and packaging materials for future use.
- 2. Positioning.** Place the loudspeaker facing the listening area at its desired position in the room.
- 3. Connecting.** While the amplifier is switched off, connect each loudspeaker to the amplifier with the speaker cable. Turn the volume level all the way down and power the amplifier on.
- 4. Listening.** The loudspeaker is now ready to play. Optimal performance will only be realized after careful positioning and running the speakers as described over the course of the following pages. Enjoy your new Aperion Audio loudspeakers!

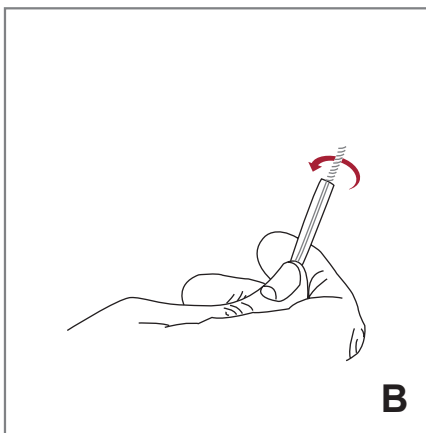
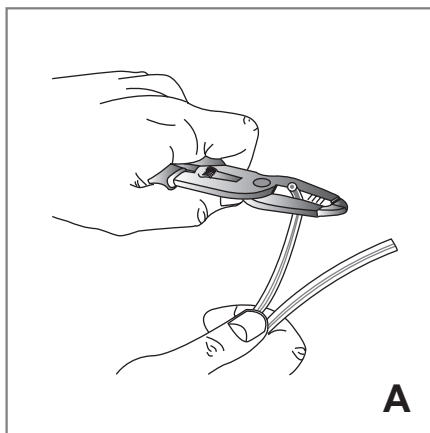
Feel free to contact the Aperion gurus with any further questions or for additional assistance.

## Connecting the Speaker

1. Connect a two-pole (+/-) loudspeaker cable to the binding posts, located at rear of the cabinet. The high quality, gold plated binding posts can accommodate different connection systems:

- Banana plugs: The pins can be put directly into the binding post without any tightening necessary.
- Cable spades: Loosen the binding posts, insert the spade into the opening, and secure the spade by tightening the posts.
- Bare wires: Loosen the binding posts and place the cable into the binding posts. Tighten the posts.

2. Connect the other cable ends to the loudspeaker outputs of your switched off power amp.



## Connecting the Speaker

The loudspeaker cable can have an impact on sound quality. In general, quality cable products will yield a quality result. Make sure to keep the cable length as short as possible. We recommend the use of at least 14 AWG diameter for distances < 15m. Please make sure that all connectors are clean and not oxidized.

## Connecting surround speakers

When connecting a two-channel stereo system, only the right and left channels are connected to the amplifier. In a surround set-up, center, side or rear loudspeakers as well as a subwoofer are typically connected to provide for a multi-channel listening experience. Please refer to the amplifier's owner manual for particular connection instructions.

## Placement

Following explanations refer to the figure below. The distance between each loudspeaker (A) and your listening position (B) should be about the same. Try to achieve an isosceles triangle.

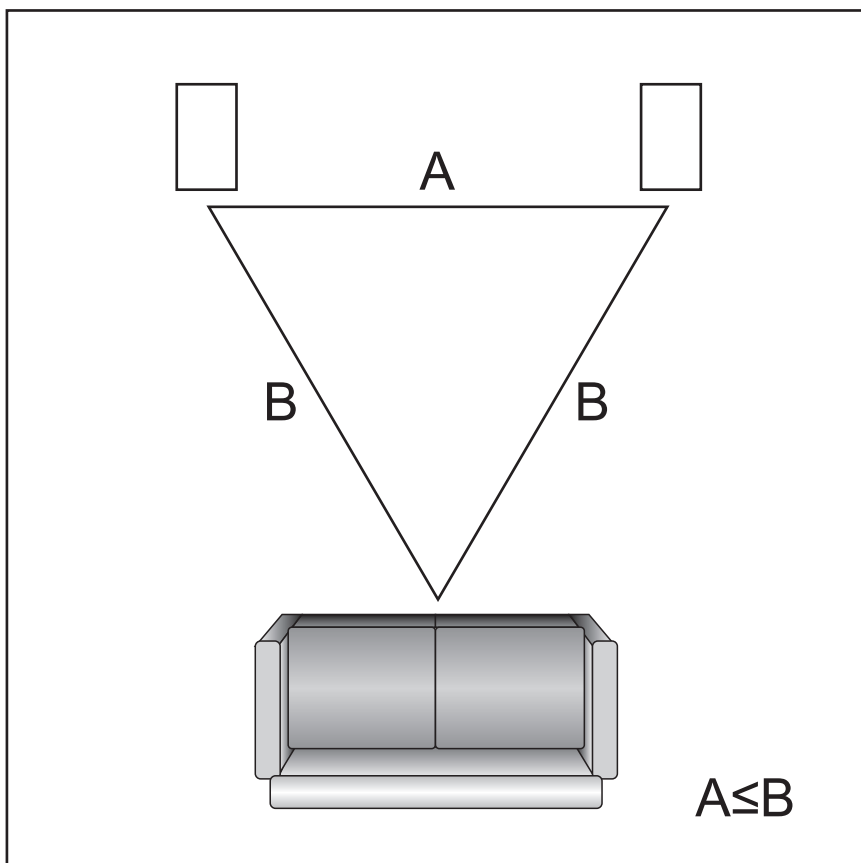
The distance between the loudspeakers should be the same or slightly less than the distance between each loudspeaker and your listening position (A, B).

The closer the listening position is in relation to the loudspeakers, the closer the speakers can be positioned to each other.

As a starting point, it is recommended that the speakers be about 2 meters apart from each other for the best results (A).

If the speakers are positioned too close to each other, the stereo image will not seem realistic; if that distance is too wide, the image may leave an acoustic hole in the middle.

Paying attention to the image during listening tests will help dictate optimum placement during experimentation and set-up.



## Distance to back and side walls

If a loudspeaker is placed near a wall, ceiling or floor, the lower frequencies will be amplified by the room. Sometimes this is desirable, sometimes it is not (this may lead to indistinct bass reproduction).

The bass amplification becomes more obvious if the speaker is placed near a corner. Thus, for a clear sound the speaker should be placed at least 20 cm (about 8 inches) away from the wall. However, there are exceptions room this rule. For some types of walls/rooms it may be an advantage placing the loudspeaker closer to the wall.

## Room and furniture influence

The sound quality of any loudspeaker is influenced by the furniture, wall materials and other objects in the listening room. For example, large rooms without much furniture and clean, hard wall surfaces can give a bright and diffuse sound with diverse echoing frequencies. A room with thick carpet, curtains and soft furniture surfaces will give a warmer and darker sound.

## Multi-Channel Setup

Our loudspeakers are designed to offer the most advanced performance in both stereo and multi-channel applications. When connecting a loudspeaker to a multi-channel setup, the same general guidelines as mentioned above will apply.

## Note

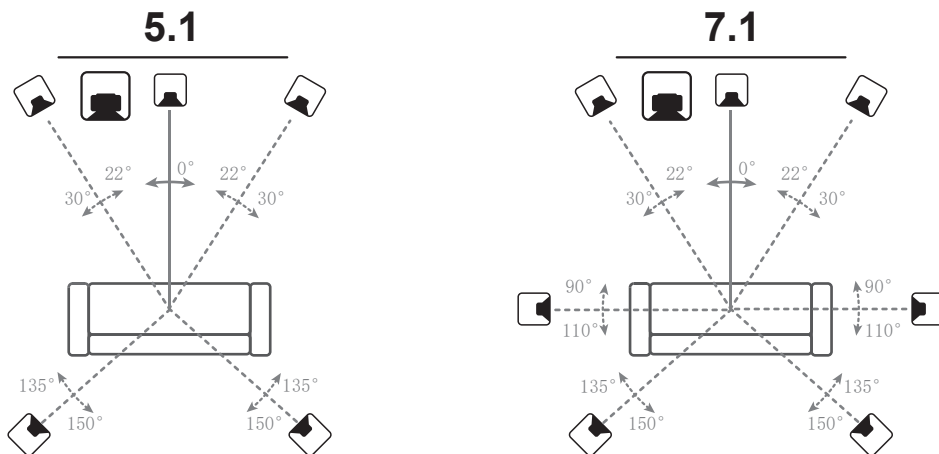
When setting up a home theater system, the loudspeakers should create a realistic sound stage with similar sound characteristics on each channel. It is therefore important that all speakers should match the same quality level. This is especially important with regards to the center channel loudspeaker, as this is the most critical aspect of any home theater sound stage.

## Center speaker

The center speaker is responsible for the information directed from the middle of the screen and should be positioned between the right and left main loudspeakers. In a home theater/surround setup, the center supports the images and should be placed close to the screen.

## Rear speakers

The rear speakers are responsible for the surround effects behind the listening position. When using the bookshelf models as rear speakers, the speakers can be placed into a shelf, mounted at the rear wall or placed on a stand. This allows you a wide variety of placements, even if your listening room and furniture orientation prevent an ideal setup. The picture below shows the optimal placement for surround speakers in a 5.1 and 7.1 speaker system.



## Subwoofer

Most often a subwoofer will be utilized for the LFE-signal, especially in larger listening rooms. The position of the subwoofer will be dependent upon the size of the room and its acoustics. Please refer to the Subwoofer manual.

## Break-in Period

The moving parts of a newly manufactured Aperion loudspeaker have been acoustically checked after production, but nevertheless are not as flexible as they need to be for optimum results to be realized. The higher the quality of any driver system, the more demanding the loudspeaker will be regarding time for running-in the system. A newly unpacked Aperion loudspeaker therefore requires 20 - 40 hours of running/playing to reach its optimum performance capability.

# Cleaning the loudspeakers

Switch off all components of your system when cleaning any of these components. Avoid touching the tweeter domes as any change of their shape may have an impact on sound quality. Clean the cabinet and other plain parts with a soft dry or slightly damp cloth only. Remove dust on the woofer diaphragms with a fine furniture brush. All materials used by Aperion are integrated with exceptional care. By taking care of your speakers you will preserve the finish and build quality for a very long time.

# Power handling

Due to the construction and the driver technology Aperion speakers can be driven with very high power levels. With a high quality amplifier, delivering undistorted signals, the speakers can achieve high levels without any compromises in sound quality. Attention must be given to amplifiers with very low power and adjustable tone controls or switches. These types may soon overreach their own performance limits and may send distorted output signals to the speakers, compromising even high quality technology. Any damage caused under such circumstances is not covered by the Aperion Audio warranty.

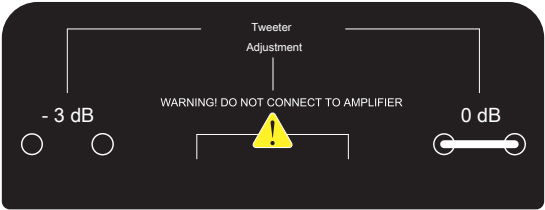
# Room Tuning

The tower & bookshelf speakers are equipped with a "Tweeter Adjustment" feature to fine tune the tweeter's performance for your room.

## Tweeter Adjustment

On the backside of the speaker (above the speaker terminals), there is a jumper which will alter the tweeter sound characteristics. Choose between either the 0 dB (neutral sound, with jumper) or the -3dB (dampened higher frequencies, without jumper), based upon your own preference to treble level and the positioning of speakers related to your listening space.

**WARNING! DO NOT CONNECT  
THE TWEETER ADJUSTMENT  
TO THE AMPLIFIER**





# Technical Specifications

## NOVUS N5T Tower Speaker

Speaker Type	2-Way 5.25" Floorstanding Speaker
Tweeter	1 x 1" Silk-Dome Tweeter
Woofer	2 x 5.25" Aramid-Fiber Cone Woofers
Frequency Response(+/- 3dB)	(+/-3 dB) 36 - 30,000 Hz
Nominal impedance	4 Ohms
Sensitivity (2.83V / 1 m)	88 dB
Power Handling	20 - 150 W
Product Dimensions (W x H x D)	7" x 37" x 8.7" / 180 x 945 x 220 mm
Product Weight	27 Lbs / 12 Kg

## NOVUS N5B Bookshelf Speaker

Speaker Type	2-Way 5.25" Bookshelf Speaker
Tweeter	1 x 1" Silk-Dome Tweeter
Woofer	1 x 5.25" Aramid-Fiber Cone Woofer
Frequency Response(+/- 3dB)	(+/-3 dB) 45 - 30000 Hz
Nominal impedance	4 Ohms
Sensitivity (2.83V / 1 m)	85 dB
Power Handling	20 - 80 W
Product Dimensions (W x H x D)	7.1" x 11.8" x 7.9" / 180 x 300 x 200 mm
Product Weight	10 Lbs / 4.5 Kg each

# Technical Specifications

## NOVUS N5C Center Channel Speaker

Speaker Type	3-Way 5.25" Center Channel Speaker
Tweeter	1 x 1" Silk-Dome Tweeter
Midrange	1 x 4" Aramid-Fiber Cone Midrange
Woofers	2 x 5.25" Aramid-Fiber Cone Woofers
Frequency Response (+/- 3dB)	(+/-3 dB) 55 - 30000 Hz
Nominal impedance	4 Ohms
Sensitivity (2,83 V/1 m)	88 dB
Power Handling	20 - 100 W
Product Dimensions (W x H x D)	19.1" x 7.3" x 9.1" / 485 x 186 x 231 mm
Product Weight	19 Lbs / 8.5 Kg

## Novus N6T Tower Speaker

Speaker Type	2-Way 6.5" Floorstanding Speaker
Tweeter	1 x 1" Silk-Dome Tweeter
Woofers	2 x 6.5" Aramid-Fiber Cone Woofers
Frequency Response (+/- 3dB)	(+/-3 dB) 32 - 30000 Hz
Nominal impedance	4 Ohms
Sensitivity (2,83 V/1 m)	90 dB
Power Handling	20 - 200 W
Product Dimensions (W x H x D)	8" x 42" x 10" / 200 x 1053 x 250mm
Product Weight	35 Lbs / 16 Kg

# Technical Specifications

## Novus N6C Center Channel Speaker

Speaker Type	3-Way 6.5" Center Channel Speaker
Tweeter	1 x 1" Silk-Dome Tweeter
Midrange:	1 x 4" Aramid-Fiber Cone Midrange
Woofer	2 x 6.5" Aramid-Fiber Cone Woofers
Frequency Response (+/- 3dB)	(+/-3 dB) 50 - 30000 Hz
Nominal impedance	4 Ohms
Sensitivity (2,83 V/1 m)	90 dB
Power Handling	20 - 200 W
Product Dimensions (W x H x D)	23.5" x 8.7" x 9.5" / 595.3 x 220 x 240mm
Product Weight	26.7 Lbs/12.1 Kg

## Novus N6SS Tripole Surround Speaker

Speaker Type	6.5" Tripole Surround Speaker
Tweeter	1 x 1" Silk-Dome Tweeter
Fullrange:	2 x 4" Aluminum Full Range Drivers
Woofer	1 x 6.5" Aramid-Fiber Cone Woofer
Frequency Response (+/- 3dB)	(+/-3 dB) 60 - 30000 Hz
Nominal impedance	4 Ohms
Sensitivity (2,83 V/1 m)	90 dB
Power Handling	20 - 100 W
Product Dimensions (W x H x D)	9.5" x 12" x 5.4" / 240 x 300 x 137mm
Product Weight	13 Lbs / 6 Kg

# Technical Specifications

## Novus N6SR 2-Way Slim Satellite Wall Speaker

Speaker Type	2-Way Sealed
Tweeter	1 x 1" Silk-Dome Tweeter
Woofers	1 x 6.5" Aramid-Fiber Cone Woofer
Frequency Response (+/- 3dB)	(+/-3 dB) 60 - 30000 Hz
Nominal impedance	4 Ohms
Sensitivity (2,83 V/1 m)	86 dB
Power Handling	20 - 100 W
Product Dimensions (W x H x D)	7.9" x 13" x 5" / 200 x 330 x 125 mm
Product Weight	10 Lbs / 4.5 Kg each

The logo is also magnetically mounted to allow for customization depending on the speaker orientation.

## Novus N6SC 2-Way 6.5" Slim LCR Wall Speaker

Speaker Type	2-Way 6.5" Sealed LCR On-Wall
Tweeter	1 x 1" Silk-Dome Tweeter
Woofers	2 x 6.5" Aramid-Fiber Cone Woofers
Frequency Response (+/- 3dB)	(+/-3 dB) 55 - 30000 Hz
Nominal impedance	4 Ohms
Sensitivity (2,83 V/1 m)	88 dB
Power Handling	20 - 150 W
Product Dimensions (W x H x D)	19" x 7.9" x 5" / 480 x 200 x 125 mm
Product Weight	15 Lbs / 7 Kg

The logo is also magnetically mounted to allow for customization depending on the speaker orientation.

## Contact Us

If you have any questions, comments, or concerns, please don't hesitate to contact any of our Home Theater Gurus at 503.598.8815 or through a live chat via our website at [www.aperionaudio.com](http://www.aperionaudio.com) - we'll be happy to help you out with anything and everything you need.

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