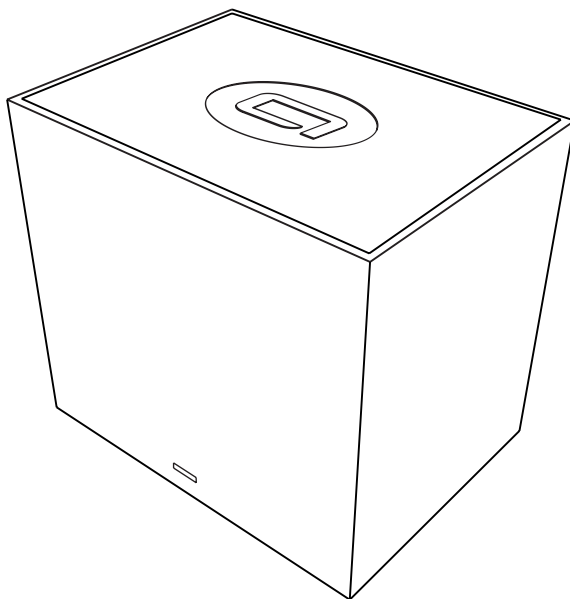


# SPINSUB

POWERED SUBWOOFER





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# WARNING

DO NOT OPEN  
TO PREVENT THE RISK OF ELECTRIC  
SHOCK, DO NOT REMOVE COVER. NO  
USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED  
SERVICE PERSONNEL.



This symbol alerts the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Do not use this apparatus near water.
5. Clean only with dry cloth.
6. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
11. Unplug this apparatus during lightning storms or when not used for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

14. Do not install this apparatus in a bookcase or similar unit.
15. The apparatus draws nominal non-operating power from the AC outlet in the standby mode.
16. The apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
17. To completely disconnect the power input, the rear panel power switch may be switched off.
18. Excessive sound pressure from earphones and headphones can cause hearing loss.
19. The battery shall not be exposed to excessive heat such as sunshine, fire or the like.

## Additional Safety Advice

1. Keep surrounding objects at least four inches away from the apparatus for adequate ventilation.
2. Ventilation openings on the apparatus should not be impeded by such items as newspaper, cloths, curtains, and the like.
3. Do not place naked flame sources near the apparatus, such as lighted candles.
4. Dispose of internal electronics in accordance with local safety and environmental regulations.
5. Do not operate the apparatus at a temperature less than 36° F / 2° C or greater than 100° F / 38° C.

## Caution

- DO NOT REMOVE THE EXTERNAL ENCLOSURE PARTS TO EXPOSE THE ELECTRONICS. NO USER SERVICEABLE PARTS ARE INSIDE.
- IF YOU ARE EXPERIENCING PROBLEMS WITH THIS PRODUCT, CONTACT ANDOVER AUDIO CUSTOMER SUPPORT. DO NOT USE THE PRODUCT UNTIL IT HAS BEEN REPAIRED.

### FCC STATEMENT FOR THE U.S.A.

This equipment has been tested and found to comply with the limits of part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the equipment.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an AC outlet of a different mains circuit from the main circuit/outlet providing power to the receiver.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modification to this equipment not expressly approved by Andover for compliance will void the user's warranty.

### Caution

Changes or modification to this equipment not expressly approved by Andover for compliance will void the user's warranty.

This product can be recycled. Products bearing this symbol must NOT be thrown away with normal household waste. At the end of the product's life, take it to a collection point designated for recycling of electrical and electronic devices. Find out more about return and collection points through your local authority.

The European Waste Electrical and Electronic Equipment (WEEE) Directive was implemented to dramatically reduce the amount of waste going to landfills, thereby reducing the environmental impact on the planet and on human health. Please act responsibly by recycling used products. If this product is still usable, consider giving it away or selling it.



**Warning:** This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. For more information: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## **Introduction**

We're really pleased that you have chosen Spinsub. Spinsub is a simple and affordable way to add reproduction of the lowest musical octave to a compact music system. It is perfect mate with Spinbase, creating a compact, full-range system that is easy to set up, sounds great, and is simple to use.

Spinsub is also the perfect addition to a traditional audio system or small powered bookshelf speakers equipped with a suitable output.

Spinsub features dual 6.5" woofers with equivalent cone area to a single 9" woofer, arranged in a vibration-canceling array.

Spinsub fits perfectly on the bottom shelf of Spinstand without causing vibrations that may affect turntable performance. It can also be placed separately.

To get the most from Spinsub, be sure to thoroughly review this manual and heed the important safety instructions. If you have any questions not covered here please contact Andover Audio support via email ([support@andoveraudio.com](mailto:support@andoveraudio.com)) or phone (+1 978.775.3670).

We sincerely hope that you will be overjoyed with the years of great-sounding, simple to operate, musical entertainment that Spinsub will provide.

Please save the carton and original packaging in case you ever need to move or ship your unit.

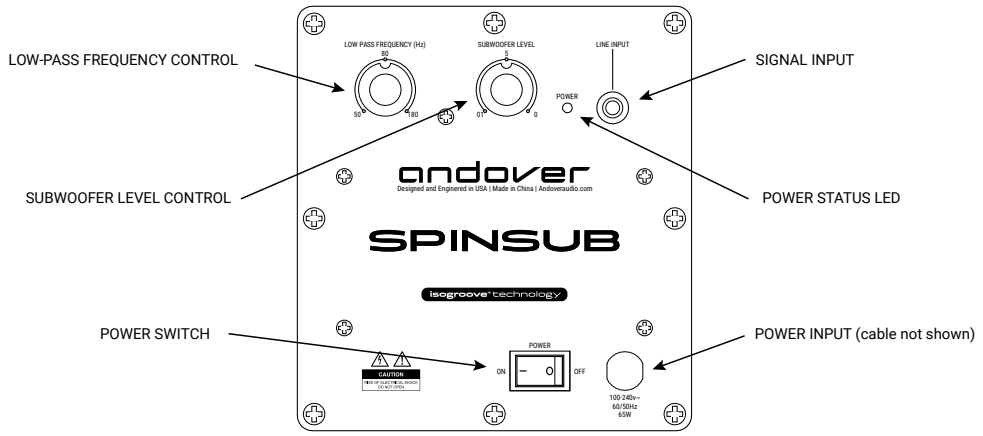
## **About Andover Audio**

Since 2012, Andover Audio has provided design and manufacturing services behind the scenes to some of the most recognized brands in mobile, professional, and high-performance consumer audio. We now focus our award-winning skills on our own product line that artfully blends exceptional sound with distinctive design.

## **In the Box**

- Spinsub
- 3-Meter 3.5mm signal cable
- RCA-F to 3.5mm cable adapter

## Rear Panel Connections



**LOW-PASS FREQUENCY** - Use this to adjust the low-pass crossover of the subwoofer amplifier. Sound above the selected frequency is attenuated at 12dB per octave. The recommended setting for use with Spinbase is 80Hz, which is achieved with the knob adjusted to the center position. You may prefer a different setting, so feel free to adjust it to your taste.

**SUBWOOFER LEVEL** - Adjust the volume level of the subwoofer to your preference. Leaving this control centered will typically provide a good sonic blend with Spinbase. However, the optimum setting will depend on the room, and placement of the unit within the room.

**POWER INPUT** - Connect the power cable into the wall outlet. Spinsub is compatible with worldwide voltages from 100v - 240V AC at 50 or 60 Cycles. A suitable plug adapter will be required for use in areas outside North America.

**LINE / SIGNAL INPUT** - Use this input to connect your Line-level source to Spinsub.

**POWER STATUS LED** - The LED illuminates brightly when Spinsub is on and active, and will extinguish when Spinsub enters Standby mode.

**POWER SWITCH** - Set to the ON position for normal use. Spinsub has a signal sensing standby mode that consumes less than 0.5 Watts when idle, so power may be left on. Set this switch to the OFF position if you will not be using Spinsub for an extended time, or to protect it from power surges during electrical storms.

## How to Connect your Source

Spinsub has been optimized for use with Spinbase, but it also may be used with other source components. It requires a source component that has a line-level output controlled by its volume control. This may be labeled in a number of ways, depending on your source component. Most common are:

- Pre-Out (or Preamp out)
- Subwoofer
- Line Out
- Aux Out

An RCA to Miniplug adapter cable is included with Spinsub to facilitate use with sources other than Spinbase. Spinsub does not accept speaker-level inputs. If you wish to add Spinsub to a system that has only Speaker level output, you must use a Line Output Converter accessory.

### IMPORTANT NOTE

Spinsub is compatible with Spinbase units that have a separate Line output only. Earlier Spinbase units with only a Headphone jack output are not compatible, but may be updated at a nominal cost. Contact [support@andoveraudio.com](mailto:support@andoveraudio.com) for more information.

## Using Spinsub

Turn on the main power using the rear panel switch. The green LED will illuminate.

It is not necessary to switch the power off between listening sessions. Spinsub has automatic signal sensing. When a signal is present, Spinsub will wake from standby and begin playing. It will reenter standby after a few minutes of no signal.

If there is excessive hum or noise in the input signal, Spinsub may not enter standby. If this occurs please identify the source of the noise and eliminate it for the most satisfying experience.

The LED indicates status. The LED glows brightly when Spinsub is active, and will extinguish when the unit is in standby. If the LED remains off when signal is present, Spinsub is not receiving power or the main power switch has not been turned on.



## Room Placement and Tuning

As with any speaker, its location in your room affects how the sound fills the space. Sound is emitted from both sides of Spinsub, so be careful not to block the sides.

Thanks to Isogroove vibration reduction technology, Spinsub may be placed on the bottom shelf of Spinstand without disturbing phono playback.

The long wavelengths of low frequency sounds exceed the dimensions of most domestic rooms. As a result, the sound reflected from the walls create “standing waves” which reinforce bass in some locations, and cancel bass in others. Understanding how these standing waves work within your particular room is important to get the most satisfying overall performance. Moving the Spinsub a few feet either way can have a dramatic effect on perceived bass response. There is no “one size fits all” solution that is best for every room, so experimentation in your specific room is essential.

Placing the subwoofer directly in the center of a wall can often make the effect of standing wave reflections more pronounced. It is usually best to place the woofer a few feet to either side of center.

Corner placement will yield the strongest reinforcement of bass within the room, but may also further exacerbate standing waves. You will need to try various locations to determine what location works best in your particular room.

Depending on the location you choose, you may require a longer cable than the one supplied. Make sure whatever cable you purchase is a shielded type to prevent excessive noise pickup.

Make final adjustments to the Low-Pass crossover frequency and level once you have determined the final location. The most satisfying performance will occur when the subwoofer is loud enough to add foundation to the music, without drawing attention to itself as a separate source. In most rooms, setting the Low-Pass Frequency and Subwoofer Level controls to their mid positions will provide an ideal blend with a Spinbase unit. However, do not hesitate to adjust these controls to your preference, or to compensate for room acoustics. You will probably find yourself tweaking the settings quite a bit over the first few hours, or even days, but eventually you will find settings that please you and further adjustment will not be necessary.

## **Two-Year Warranty**

Andover Audio warrants our products against manufacturing defects and workmanship to the initial purchaser for a period of two (2) years from the date of delivery to customer. Andover Audio will repair or replace the unit as necessary to restore proper operation.

This warranty covers both parts and labor for the warranty period. The warranty excludes physical damage caused by accident or abuse outside of our control, or if the unit is damaged due to incorrect packing.

The warranty also excludes normal wear items such as the stylus and belt on turntable products.

If you think you need warranty service, please contact us to obtain an RMA (Return Merchandise Authorization) by e-mailing [support@andoveraudio.com](mailto:support@andoveraudio.com) or calling 978.775.3670. For more information on returns and exchanges, please visit [www.andoveraudio.com/pages/returns-and-exchanges](http://www.andoveraudio.com/pages/returns-and-exchanges).

If your unit was purchased from a local dealer, contact them first. They may be able to resolve some issues without requiring you to return the item.

## **Service**

Should you encounter a problem that you are unable to solve, please contact customer service at [support@andoveraudio.com](mailto:support@andoveraudio.com), or the dealer that sold you the unit.

If you must return your unit for any reason, it must be safely packed and shipped in its original carton and packing material. Damage that is the result of improper packaging is not covered by the warranty.

## **Product Cleaning**

Use a soft dry cloth, or compressed air for general cleaning. Vinyl surfaces may be cleaned using a mild surface cleaner or a damp cloth.

Do not use harsh or chlorine based cleaner anywhere on the product. Only clean the exterior of the product.

## Specifications

Description: Powered Subwoofer with auto signal sensing and Isogroove vibration control.

Enclosure type: Vented "Bass Reflex" enclosure with dual ports.

Woofers: Two 6.5" long-excursion drivers. (Equivalent area to a typical 9" driver)

Music Power: 100W short-term peak, 65W RMS.

Effective Frequency Range: 35Hz – 150Hz (Varies with Low-Pass crossover setting.)

Crossover Adjustment Range: 50Hz - 150Hz

Power Input: 100 - 240VAC / 50-60Hz

Weight: 46.2 kg / 21 lbs

Dimensions: Height: 327 mm / 12.88"

Width: 365mm / 14.38"

Depth: 286mm / 11.26"

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Andover Audio subscribes to a program of continuous improvement. As a result, some product features and characteristics may change without prior notice.

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