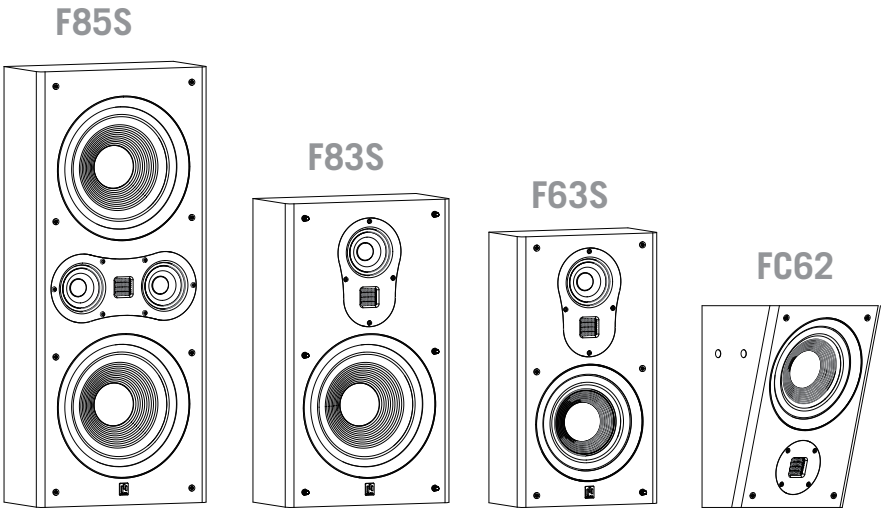
aperionaudio



FONS SERIES

OWNER'S MANUAL

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GENERAL USER GUIDELINES

Read these instructions and keep them in a safe place for future reference. Follow all electrical safety warnings, including any on the loudspeakers themselves.

-Do not use the loudspeakers near water.

-The cabinet and baffle should only be cleaned with a dry, lint-free, cloth.

-Do not use solvents, abrasives, waxes or liquids as they may be detrimental to the finish.

-Do not install near any heat sources such as radiators, ovens or other equipment that produce excessive heat.

-Packing material can pose danger to the young and vulnerable. Ensure these items are stored safely.

-High volume audio signals short or long periods of time, have the potential to cause hearing damage. Use care when setting the system volume level to ensure playback sound pressure levels remain within safe comfortable limits.

-Do not attempt to service the equipment. There are no user serviceable parts inside. Please refer all servicing to Aperion Audio authorized personnel.

-Servicing is required when the apparatus is damaged, exposed to moisture,or exhibits a distinct or sudden change of operation or audio performance.

-This guide provides information on how to safely install the product. Aperion Audio will not be held responsible or liable for injuries or property damage-direct, indirect or consequential-arising out of use or inability to use this product safely and properly.

-Fons series loudspeakers contain very powerful magnets and therefore may have a detrimental effect if left in close proximity to magnetically sensitive items.

IMPORTANT SAFETY INSTRUCTIONS

Caution

Do not attempt to install this product until all instructions and warnings have been read and properly understood. Please keep these instructions for future reference. It is the installer's responsibility to ensure that all documentation is given to the end user and read fully before operation. Aperion Audio and its representatives are not liable or responsible for damage or injury caused by improper installation.

General

Aperion Audio recommends that the end user work with a certified installer or other suitably qualified person install this product. Great care must always be taken during installation as most AV equipment is of a fragile nature, possibly heavy and easily damaged if dropped. If you do not fully understand the instructions or are not sure how to install this product safely, then please consult a professional for advice and/or to install this product for you. Failure to mount this product correctly may cause serious injury or death both during installation and at any time thereafter.

Product location

Please pay careful attention to where this product is located. Some surfaces are not suitable for installation due to their structural integrity or they conceal utilities such as pipework, cabling and other obstructions. Only attempt to mount to surfaces that are safe and mechanically sound.

Mounting hardware

It is important that the installer confirms that the provided mounting hardware is appropriate for the surface and structure that the product will be placed. If in doubt seek professional advice regarding the appropriate mounting hardware.

Hazard limitation

Some products have moving parts and the potential to cause injury through the crushing or trapping of fingers or other body parts. It is recommended that periodic inspections of the product and its mounting points are made as frequently as possible to ensure that safety is maintained. If in doubt consult a professional installer or other suitably qualified person.

HOW TO AVOID SPEAKER DAMAGE

Use an appropriate amplifier. At high volumes, a very powerful amplifier can overdrive your speakers and damage them. On the other hand, if your amplifier isn't powerful enough, it can produce clipping distortion that can easily damage high-frequency drivers.

Don't be fooled by your amplifier's volume control. It adjusts listening level—it does not indicate power output. If your speakers begin to sound harsh or grating, or if you hear the bass breaking up, turn the volume down immediately to prevent damaging your speakers. This type of damage is not covered by warranty. Ensure that your amplifiers power handling matches with the Fons speaker that you choose. Tone controls and equalizers can demand even more power from an amplifier, lowering the impedance to the point at which it produces clipping distortion. Use them sparingly, if at all, and do not use them when listening at loud levels.

Risks to the young & vulnerable

Risk of death or serious injury may occur when children climb or tamper with audio equipment or its mounting hardware. This product may contain small parts like screws, mounting hardware, removable logos, and other small items that can pose a choking hazard. It is not Aperion Audio's responsibility to ensure these items, including packaging, are out of reach of young children at all times.

Aperion Audio intends to make this and all documentation as accurate as possible. However, Aperion Audio makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this product. The information contained in this document is subject to change without prior notice or obligation of any kind. Aperion Audio makes no representation of warranty, expressed or implied, regarding the information contained herein. Aperion Audio assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

If you are unsure whether your amplifier and speakers are compatible, please contact Aperion directly via email: customerservice@aperionaudio.com

SPEAKER PLACEMENT GUIDELINES

Location

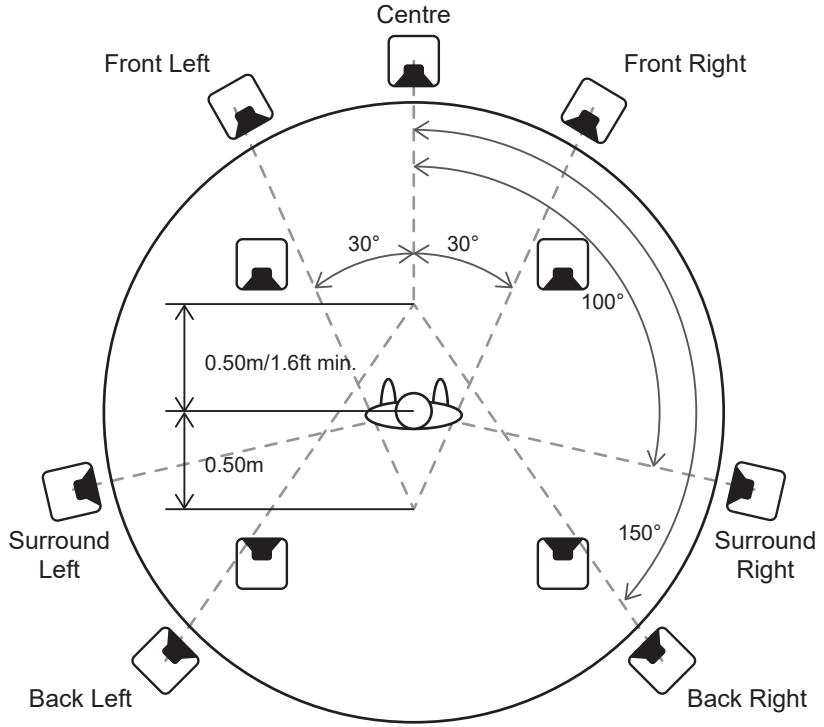
Your new Fons speakers can easily be mounted into or onto the wall. Please follow all installation guidelines.

Accurate Timbre and Imaging

Our Fons speakers feature wide, uniform dispersion and can be installed almost anywhere. For the most accurate timbre and imaging, place speakers approximately equal distance apart and choose the placement location(s) that allow sound to reach the listening area unobstructed.

Bass Performance

Placing speakers near corners will emphasize bass. For more balanced sound, we recommend that you avoid corners when considering speaker placement.



Idea for DOLBY ATMOS® dts:X™

INSTALLATION

Turn your receiver/amplifier OFF before connecting speakers. This prevents damage that may result from accidentally shorting the speaker cable.

The Fons speakers can be rotated by 90, 180, or 270 degrees with the rear pre-installed threaded inserts. This lets you position the speaker in any way to fit the acoustic needs of the space.

On-Wall Mounting

An AWZ wall-mounting bracket is included in the packaging of every Fons product.



Method One (Vertical installation only):

Mount the F85S using the pre-drilled mounting holes on either side (choose one set based on your requirements).

Here, we use the largest model, the F85S, as an example.

***Note: For safety and security purposes, we recommend mounting speakers directly into a wall stud for maximum strength.**

1. Place the wall bracket level on wall and mark out mounting position

2. Attach the wall bracket to the wall using the provided mounting hardware

3. Attach the bracket with rubber on it to the rear of the speaker

4. Attach the 2 small rubber bumpers in each corner opposite of the mounting hardware so the speaker is isolated from the wall and is hanging straight.

5. Install speaker wire (see page 8) and place the speaker with bracket attached to the rear onto the bracket on the wall

6. Tighten the two brackets together by using the included safety screw

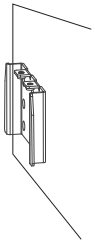
7. (Optional) Place the magnetic grille on your speaker

8. Your wall-mounting is now complete

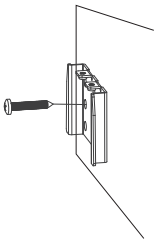
WALL MOUNTING INSTALLATION

⚠ Please follow all safety warnings during installation

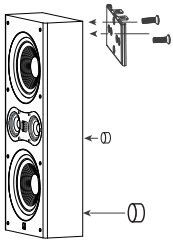
***Please note the example in steps 3 & 4 show vertical mounting option.**



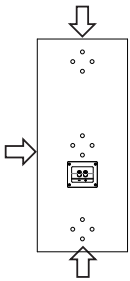
1. Mark wall position



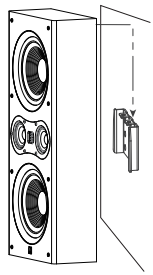
2. Install mount base



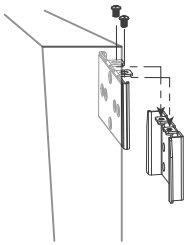
3. Install mount and rubber bumpers to speaker side



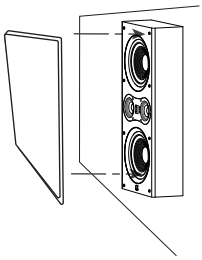
4. Additional mounting options



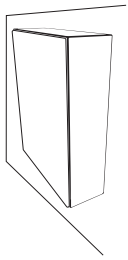
5. Install speaker wire (pg 8) and hang speaker



6. Install security screws



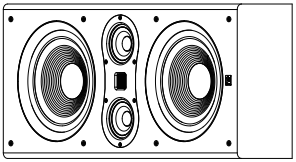
7. Install magnetic grille

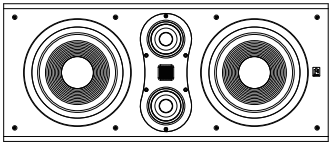


8. Done

Method Two (Horizontal installation only)

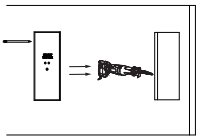
If you need to use the F85S as a center speaker, you may mount it horizontally. This installation method involves mounting the AWZ bracket onto the pre-set mounting holes at the center of the F85S's rear; once installed, the unit sits level, so you typically don't need the two rubber bumpers.



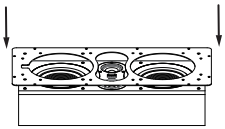


IN-WALL MOUNTING INSTALLATION

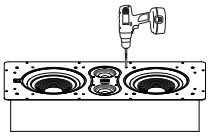
Please follow all safety warnings during installation



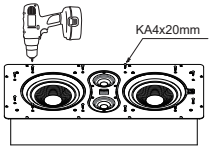
1. Mark the wall position and open the cut-out



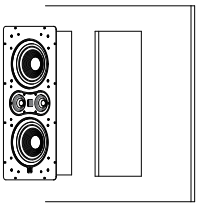
2. Place the mounting plate on the front of the product



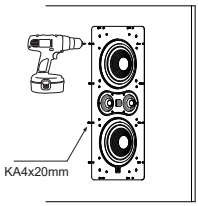
3.Drill pilot holes in the wooden cabinet



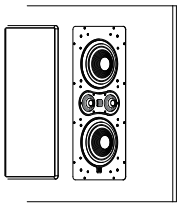
4.Secure the mounting plate



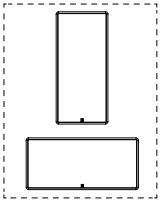
5. Insert the speaker into the wall cutout



6. Secure the mounting plate to the wall



7. Attach the magnetic grille



8. Done

In-Wall Mount:

If you wish to flush-mount the F85S, F83S, or F63S, we offer Fons In-Wall Mounting Kits available for separate purchase. You may purchase them as needed.

Installation instructions are as follows:

1. Use the provided cutout template to mark and cut the opening at the desired location on the wall;

IN-WALL MOUNTING INSTALLATION

2. Place the mounting plate on the front of the product. The wooden cabinet have grille tree loks that secure the grille and hold the metal mounting plates;

3. Drill pilot holes using an appropriate drill bit; this makes driving the screws easier and prevents damage to the mounting plate and speaker cabinet;

4. Secure the mounting plate to the front of the speaker cabinet using the included screws, tightening them firmly;

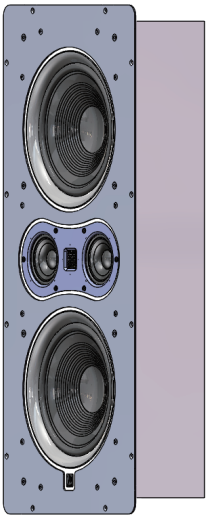
5. Insert the speaker (with the mounting plate attached) into the wall cutout (Note: connect the speaker cables before insertion). Use a marker to mark the pilot hole locations through the outer ring of screw holes;

6. Drill pilot holes using an appropriate drill bit;

7. Position the speaker and secure the mounting plate to the wall using the included screws;

8. Ensure the speaker is securely mounted, then attach the magnetic grille.





CONNECTIONS

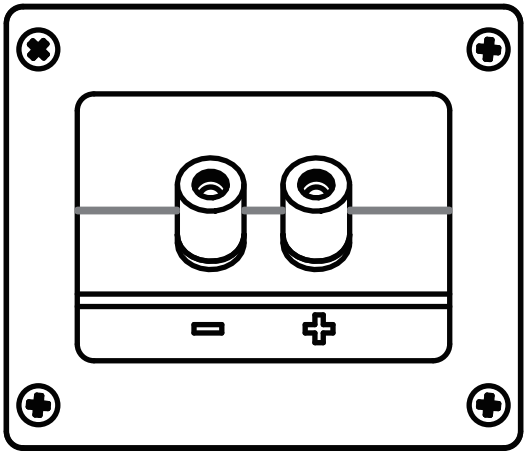
You are now ready to connect and install the speaker.

Caution
To avoid potential damage, please ensure that your power amplifier(s) or receiver is turned off before connecting or disconnecting your loudspeakers.

Cable & connectors
When selecting cables for use with your Fons series loudspeakers, ensure that their construction is of a high enough standard to withstand the rigors of everyday use and that they are suitably terminated. While bare wire can be accommodated by the Fons series binding posts, we recommend the use of either spade lugs or 4mm ‘banana’ plugs in order to maintain an electrical connection of the highest integrity and avoid the possibility of short circuits.

Do not use tools to tighten the binding posts (Polarity + & –) in order to avoid damaging the input plugs. It is of vital importance to observe the polarity markings and maintain positive-to-positive and negative-to-negative connections from amplifier or receiver to the loudspeaker. The Fons series terminals are colour-coded to aid in their identification: positive terminals are red, negative terminals are black.

PLUGGING THEM IN



FEATURES & SPECIFICATION

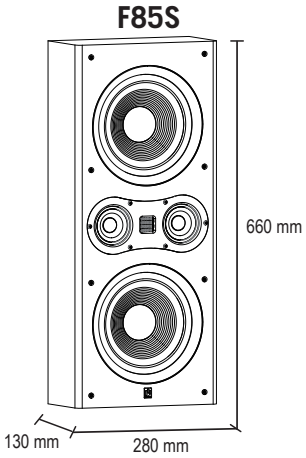
Fons F85S Dual 8" Slim On-Wall Speaker

Specifications:

Frequency Response: 65-35,000 Hz
Nominal Impedance: 4 Ohms
Sensitivity: 94 dB
Max SPL: 119 dB
Recommended Power: 20-300W
Peak Power: 600W
Driver Configuration: 3-Way
Enclosure Type: Ported/Sealed Cabinet
Product Dimensions(HxWxD): 26"x11"x5.1" / 660x280x130 mm (Without Grilles)
Product Weight: 28.9 Lbs / 13.1 Kgs
Shipping Dimensions(L/W/H): 30.3"x15.4"x10.8" / 770x390x275 mm
Shipping Weight: 33.3 Lbs / 15.1 Kgs

Package Contents:

- One (1) F85S Speaker
- One (1) Manual Download Card
- One (1) Polish Cloth
- One(1) White Gloves
- One(1) Magnetic Logo On Grille



FEATURES & SPECIFICATION

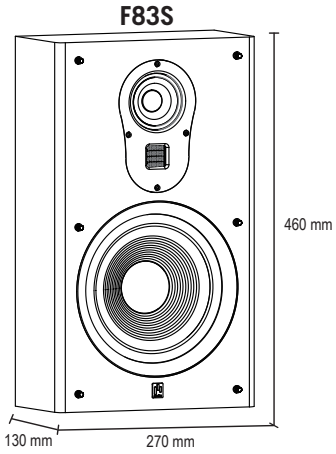
Fons F83S Single 8" Slim On-Wall Speaker

Specifications:

Frequency Response: 70-35,000 Hz
Nominal Impedance: 4 Ohms
Sensitivity: 91 dB
Max SPL: 114 dB
Recommended Power: 20-200W
Peak Power: 400W
Driver Configuration: 3-Way
Enclosure Type: Ported/Sealed Cabinet
Product Dimensions(HxWxD): 18.1"x10.6"x5.1" / 460x270x130 mm (Without Grilles)
Product Weight: 19.2 Lbs / 8.7 Kgs
Shipping Dimensions(L/W/H)： 22.4"x15.4"x10.8" / 570x390x275 mm
Shipping Weight: 23.1 Lbs / 10.5 Kgs

Package Contents:

- One (1) F83S Speaker
- One (1) Manual Download Card
- One (1) Polish Cloth
- One(1) Gloves
- One(1) Magnetic Logo On Grille



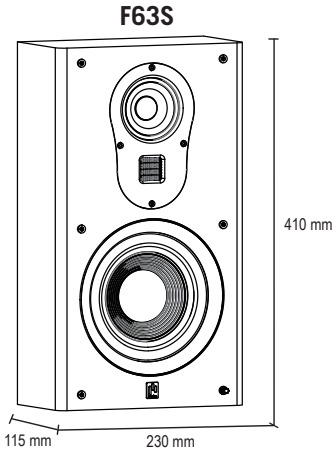
Fons F63S Single 6.5" Slim On-Wall Speaker

Specifications:

Frequency Response: 80-35,000 Hz
Nominal Impedance: 4 Ohms
Sensitivity: 90 dB
Max SPL: 112 dB
Recommended Power: 20-150W
Peak Power: 300W
Driver Configuration: 3-Way
Enclosure Type: Ported/Sealed Cabinet
Product Dimensions(HxWxD): 16.1"x9.1"x4.5" / 410x230x115 mm (Without Grilles)
Product Weight: 14.1 Lbs / 6.4 Kgs
Shipping Dimensions(L/W/H): 20.5"x13.4"x10.2" / 520x340x260 mm
Shipping Weight: 17.4 Lbs / 7.9 Kgs

Package Contents:

- One (1) F63S Speaker
- One (1) Manual Download Card
- One (1) Polish Cloth
- One(1) Gloves
- One(1) Magnetic Logo On Grille

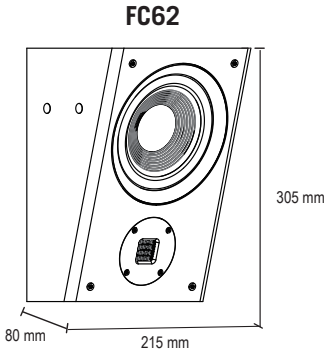


FEATURES & SPECIFICATION

Fons FC62 Single 6.5" Surround Speaker

Specifications:
Frequency Response: 85-35,000 Hz
Nominal Impedance: 4 Ohms
Sensitivity: 88 dB
Max SPL: 108 dB
Recommended Power: 20-100W
Peak Power: 200W
Driver Configuration: 2-Way
Enclosure Type: Ported/Sealed Cabinet
Product Dimensions(HxWxD): 12"x8.5"x6.7/3.2" / 305x215x(170x80) mm (Without Grilles)
Product Weight: 10.4 Lbs / 4.7 Kgs
Shipping Dimensions(L/W/H): 17.1"x16.3"x14" / 435x415x355 mm
Shipping Weight: 25.8 Lbs / 11.3 Kgs

Package Contents:
- One (1) FC62 Speaker
- One (1) Manual Download Card
- One (1) Polish Cloth
- One(1) Gloves
- One(1) Magnetic Logo On Grille



FEATURES & SPECIFICATION

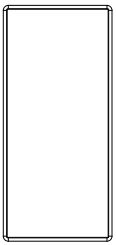
Important Notice:

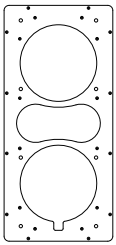
Note: When using the in-wall mounting kit, the Fons product itself will inevitably sustain damage, as screws must be driven directly into its wooden cabinet. Once you have done this, the Fons product and wall-mounting kit are no longer eligible for return. However, other components—such as the speaker drivers and crossovers—remain covered by Aperion Audio's standard 5-year warranty.

Fons F85S In-Wall Mounting Kit

Specifications:
Material: Iron
Finish: Matte Black & White
Product Weight: 5.3 Lb / 2.4 Kg
Product Dimensions: H 27.8" x W 12.8" x D 0.08" / H 705mm x W 325mm x D 2mm
Cutout Dimensions: H 26.22" x W 11.26" / H 666mm x W 286mm
Shipping Weight: 9 Lb / 4.1 Kg
Shipping Dimensions: L 31.1" x W 16.3" x H 5.5" / L 790mm x W 415mm x H 140mm

What's in the box?
1. Black or white metal mounting plate x 1 Pcs
2. Magnetic grille with black or white cloth x 1 Pcs
3. Cutout template x 1 Pcs
4. Self-tapping screws x 25 Pcs (12 on the wooden cabinet, 12 on the wall, and 1 spare)


1 pcs


1 pcs


1 pcs

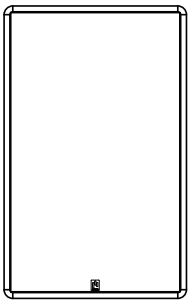

25 pcs

FEATURES & SPECIFICATION

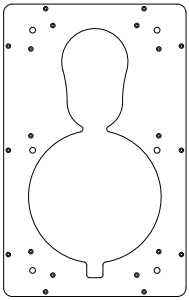
Fons F83S In-Wall Mounting Kit

Specifications:
Material: Iron
Finish: Matte Black & White
Product Weight: 4.2 Lb / 1.9 Kg
Product Dimensions: H 19.9" x W 12.4" x D 0.08" / H 505mm x W 315mm x D 2mm
Cutout Dimensions: H 18.35" x W 10.87" / H 466mm x W 276mm
Shipping Weight: 7 Lb / 3.2 Kg
Shipping Dimensions: L 23.2" x W 15.7" x H 5.5" / L 590mm x W 400mm x H 140mm

What's in the box?
1. Black or white metal mounting plate x 1 Pcs
2. Magnetic grille with black or white cloth x 1 Pcs
3. Cutout template x 1 Pcs
4. Self-tapping screws x 21 Pcs (10 on the wooden cabinet, 10 on the wall, and 1 spare)



1 pcs



1 pcs

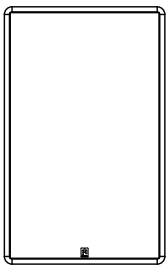


21 pcs

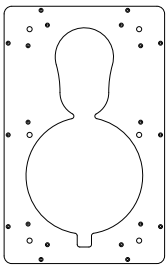
Fons F63S In-Wall Mounting Kit

Specifications:
Material: Iron
Finish: Matte Black & White
Product Weight: 3.5 Lb / 1.6 Kg
Product Dimensions: H 17.9" x W 10.8" x D 0.08" / H 455mm x W 275mm x D 2mm
Cutout Dimensions: H 16.38" x W 9.29" / H 416mm x W 236mm
Shipping Weight: 6 Lb / 2.7 Kg
Shipping Dimensions: L 21.3" x W 14.2" x H 5.5" / L 540mm x W 365mm x H 140mm

What's in the box?
1. Black or white metal mounting plate x 1 Pcs
2. Magnetic grille with black or white cloth x 1 Pcs
3. Cutout template x 1 Pcs
4. Self-tapping screws x 21 Pcs (10 on the wooden cabinet, 10 on the wall, and 1 spare)



1 pcs



1 pcs



21 pcs

Your Aperion Audio Fons speakers can be cleaned gently using the following methods:

• Use a dry microfiber duster to remove any loose dust from the surface.

• Use a slightly moistened microfiber cloth to wipe away fingerprints, smudges, and other impurities. Ensure that you wipe in a single direction, following the grain if applicable.

• After any damp cleaning, immediately use a dry microfiber cloth to follow up. Again, dry wipe in a single direction, with the grain if applicable.

Aperion Audio offers warranty service for all Fons products.

Drivers,crossovers and cabinets have a five (5) year warranty.

Even if the warranty period expires, we continue to provide paid lifetime maintenance and spare parts replacement services.

https://www.aperionaudio.com/pages/warranty

Our Aperion Audio Sound Experts are available to assist you from Monday to Friday, 9 AM to 5 PM PST. They can help with subwoofer setup, optimization, AV receiver settings, and more. You can reach them by phone, email, or chat using the options below.

www.aperionaudio.com • customerservice@aperionaudio.com • 503-598-8815

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