MONITOR AUDIO

Silver Series 8G

Product Manual

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Welcome to Silver Series 8G

Thank you for purchasing this Silver Series 8G loudspeaker, you're now ready to start your journey to breathtaking sound.

In this product manual, you'll find information about setting up your system and how to maintain your speakers for a lifetime of enjoyment.

If you need any further assistance, please contact our technical team at:
monitoraudio.com/support

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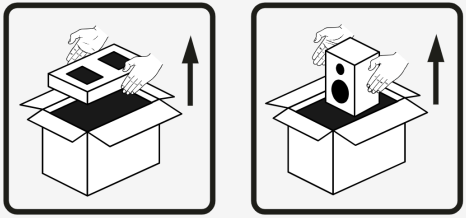
Unboxing

Before you unpack your loudspeakers, please make sure that there is plenty of clean floor area available.

WARNING: The recommended number of people is printed on the outer carton. DO NOT attempt to lift any loudspeakers alone that require a two person lift.

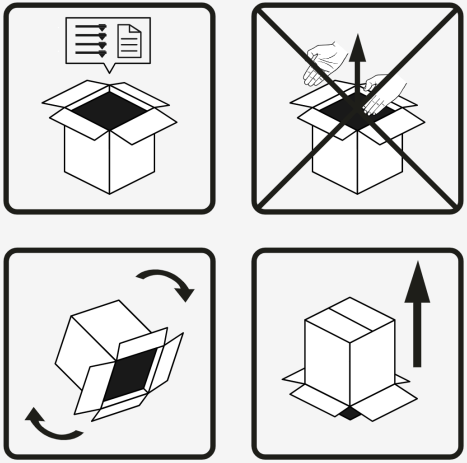
All models except Silver 300 & 500 8G

1. Open the top of the box and remove the cap with the accessories.
2. Lift the loudspeaker(s) from the box by its sides to avoid damaging the tweeter and/ or mid/ bass unit.
3. Remove the protective bag.



Silver 300 & 500 8G

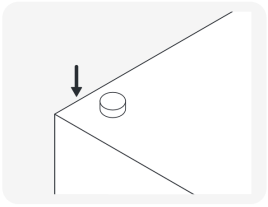
1. Open the top of the box and remove all accessories from the end cap.
2. Flip the box over and lift up the outer carton.
3. Remove the end cap on the bottom of the speaker (which will currently be facing upwards). This can sometimes get stuck in the box when lifting the outer carton.
4. Fit the outriggers and feet to the base of the speaker using the supplied bolts. If the speaker is going to be used on a carpeted floor, or where spikes are appropiate, you can also fit the spikes to the feet. Refer to page 4.
5. Flip over the speaker once more to return it to normal orientation.
6. Remove the remaining end cap and the protective bag.



Bump Feet

The Silver 50, 100 and Centre 8G speakers are supplied with self adhesive rubber bump feet. These should be applied to the underside of the cabinet when placing the speakers on a surface or when using third party stands.

The bump feet protect the cabinet finish, provides a degree of isolation, and reduces the likelihood of the speaker shifting in position.

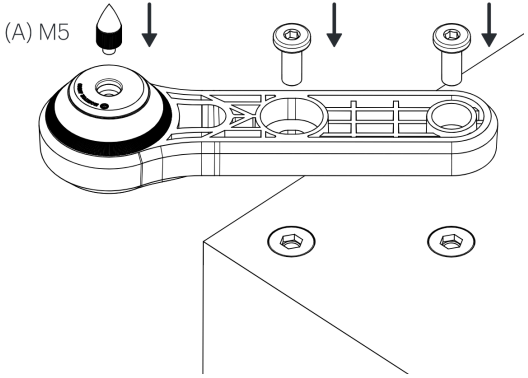


Outrigger feet (Silver 300 & 500 8G)

The feet and outriggers are supplied assembled for use on non-carpeted, wooden/hard floors or where spikes are inappropriate. All that is required is to fix them to the speaker base using the supplied bolts and hex keys.

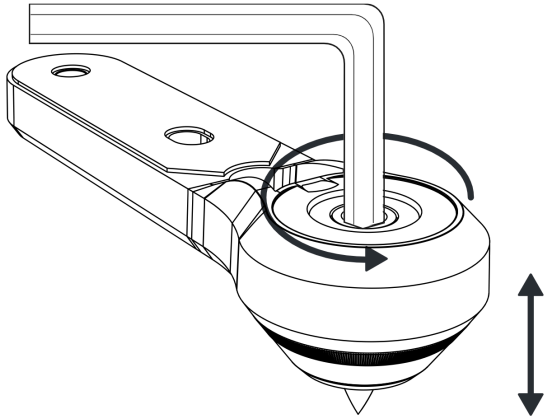
If the speaker is being installed on a carpeted floor, screw the spike (A) into the foot and 'outrigger' assembly.

Note: Please ensure there are no hidden wires under the carpet that could be damaged by the spikes.



Levelling the speaker (Silver 300 & 500 8G)

You can check that the loudspeaker is level on all sides by using a spirit level (not supplied). If it's slightly uneven, remove the top cap (held in place magnetically) and unscrew the foot at the lowest point using the supplied Hex key as illustrated below and check again. Continue this process until the cabinet is fully level, then replace the top cap. Use the locking nuts on each foot to fix the feet in place and to stop any unwanted vibrations.



2 channel system

When arranging a 2 channel system, the listening position and the loudspeakers should form an equilateral triangle. Ideally the loudspeakers should be positioned approximately 6 - 10 feet (1.8 - 3m) apart and a minimum of 3 feet (91cm) from the side walls. The minimum distance from the rear wall to the back of the cabinet varies depending on the loudspeaker (see list below).

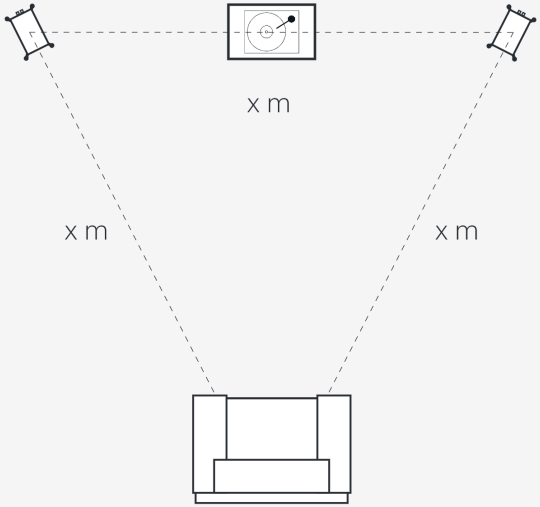
Silver 50 8G	15 - 30 cm / 6 - 12 "
Silver 100 & 300 8G	20 - 36 cm / 8 - 14 "
Silver 500 8G	30 - 61 cm / 12 - 24 "

Note: These are recommended distances for optimal performance.
Actual results will vary dependant on room size, construction and personal tastes.

Experimentation is strongly advised when setting up the loudspeakers, as environment and personal preference will differ with every installation.

If there is insufficient bass for example, try moving your loudspeakers closer to the rear wall. The opposite approach is recommended if there is excessive bass. Additionally, refer to the information relating to port bungs on page 17.

If stereo imaging is being lost, try 'toeing' them in slightly. Sounds that are recorded equally to each channel should sound as though they come from between the speakers. The angle should be adjusted to personal tastes, the speakers are designed to be pointed to a point behind the listener.



AV positioning

Refer to the illustration on the right for the recommended angles and positions of each loudspeaker in a surround sound system. Loudspeakers should be placed at the distances from the wall specified in the 2 Channel Positioning section on page 6. When a subwoofer is in use, the AV receiver's crossover will redirect low frequency content to the subwoofer, which may permit positioning the loudspeakers closer to the wall. Experimentation is advised to achieve optimal performance.

NOTE: Images are for illustrative purposes only.

For a 5.1 system, position the surround speakers at location (A).

For a 7.1 system, position the side speakers at (B) and the rear speakers at (C).

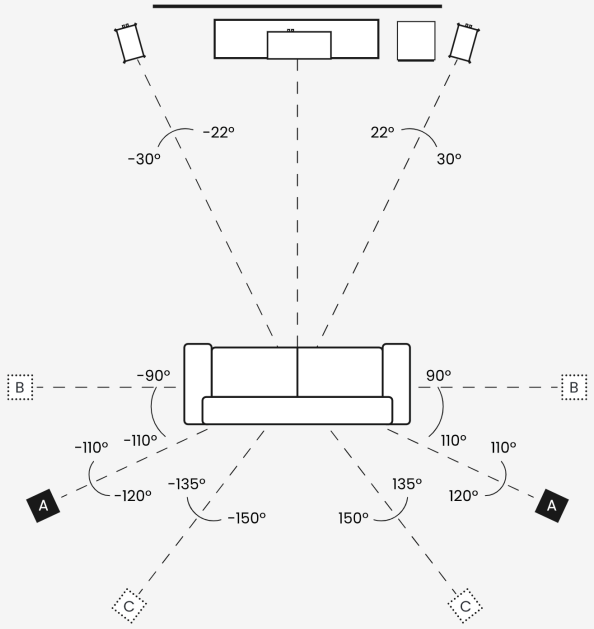
Modern film soundtracks contain substantial low frequency energy, including a dedicated LFE (Low Frequency Effects) channel intended specifically for subwoofers. Many of these frequencies fall below the operating range of typical loudspeakers and therefore, the use of a subwoofer or multiple is recommended.

Once the loudspeakers are installed, run the AV receiver's automatic setup or calibration routine. This process typically uses a supplied microphone placed at the primary listening position and will configure channel levels, distances, and time alignment.

When a subwoofer is present, ensure that the AV receiver has assigned all loudspeakers the 'Small' setting. This ensures that low frequency content is correctly directed to the subwoofer. You may also adjust the crossover frequency, which determines the transition point between the loudspeakers and the subwoofer. For example, with an 80 Hz crossover, frequencies above 80 Hz are sent to the loudspeakers, while frequencies below 80 Hz are directed to the subwoofer.

As a starting point, we would recommend using the following crossover settings for each speaker. As audio is subjective, we recommend experimentation to find the best setting for your setup.

Silver 50 8G	60 Hz
Silver 100 8G	50 Hz
Silver 300 8G	50 Hz
Silver 500 8G	50 Hz
Silver Centre 8G	90 Hz
Silver On-Wall 8G	60 Hz
Silver AMS 8G	110 Hz



5.1 = A

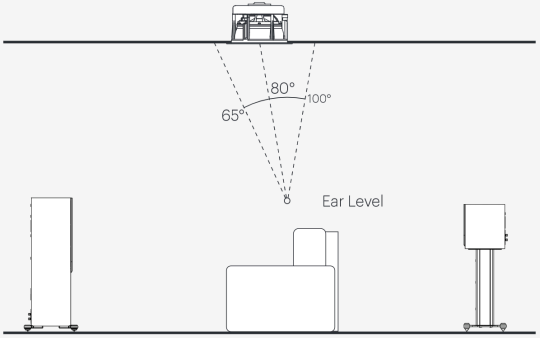
7.1 = B + C

Dolby Atmos®

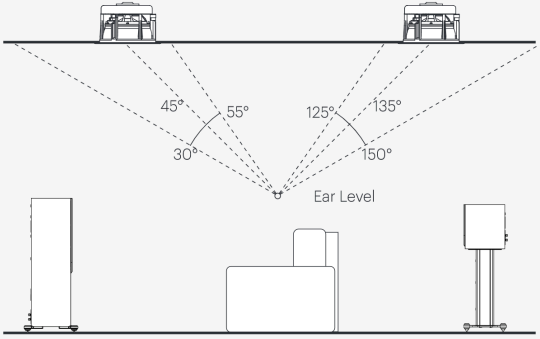
When arranging the overhead channels in a Dolby Atmos® system, we would recommend using our Creator Series Tier 2 or Tier 3 in-ceiling loudspeakers.

Please see the diagram below for ideal positioning of 2 or 4 Dolby Atmos® loudspeaker setups. Typically, these would be in line with the front left and right loudspeakers.

2 Height Channels

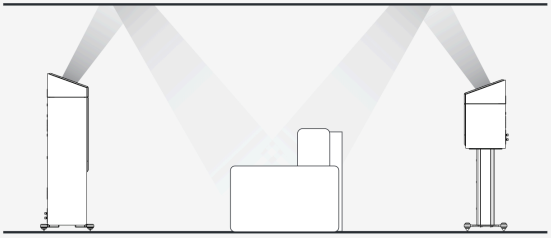


4 Height Channels

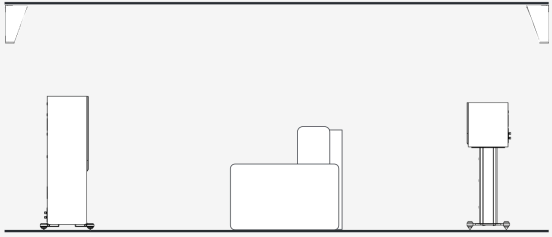


Silver AMS 8G Dolby Atmos® Enabled Loudspeaker

Our new Silver AMS 8G loudspeakers offer a dedicated solution and alternative to in-ceiling Atmos installations. They can be positioned directly on top of the front and/or rear loudspeakers in a 2 or 4 Atmos loudspeaker setup.



The Silver AMS 8G can also be wall mounted for use as surround or height loudspeakers.



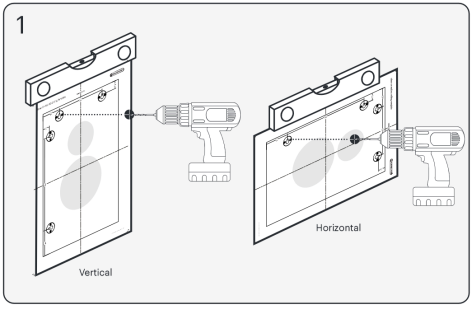
ixing the Silver On-Wall 8G or Silver AMS 8G to a wall

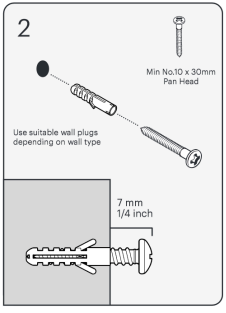
he Silver On-Wall 8G and Silver AMS 8G come with keyhole inserts. To fix the speakers to the all, we would recommend using the wall fixing template enclosed within the packaging carton. he Silver On-Wall 8G can be mounted in horizontal or vertical orientation.

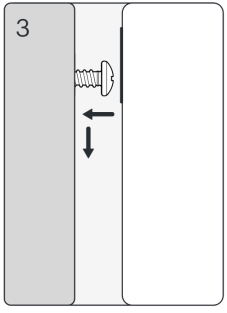
CAUTION: Always determine where the Silver On-Wall 8G or Silver AMS 8G will be fixed and the structure of the wall. For safety reasons, if unsure of your ability to provide a secure and safe fixing, do not attempt to fix these speakers to a wall. Instead, please obtain the services of a competent and qualified trades person.

CAUTION: Ensure that water pipes or electricity cables do not run behind where the speakers are going to be secured. Work from secure steps and avoid trailing wires.

lote: We do not supply wall fixing screws and plugs with the Silver On-Wall 8G or Silver AMS 8G. lease only use suitable fixings for the type of wall construction the speakers will be fixed to.



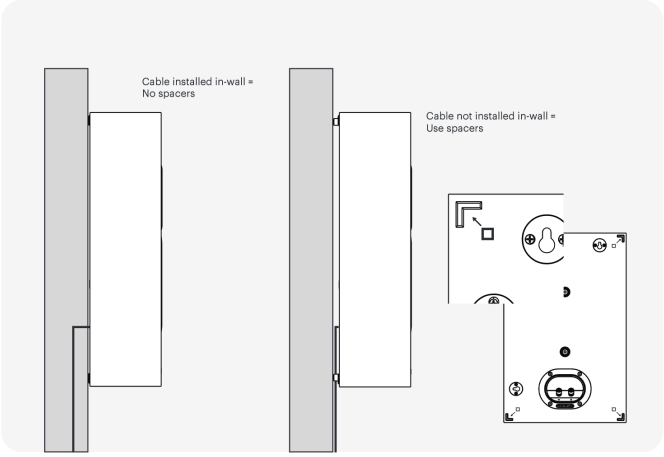




Using the wall spacers (Silver On-Wall 8G only)

Wall spacers are included with the Silver On-Wall 8G to give you the choice of installing speaker cables into the wall, or to run behind the product.

If you choose to use the wall spacers, they can be installed by pushing them into the corners of the product as pictured below.

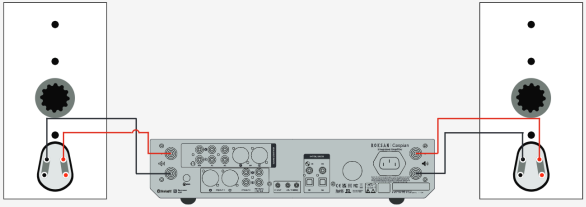


Wiring your speakers

Single wiring

Single wiring is achieved via a single set of cables to the terminals on the back of the loudspeaker. Internally the loudspeaker crossover guides the frequencies to the appropriate driver/tweeter. Low frequencies to the bass drivers, mid frequencies to the mid/bass drivers and high frequencies to the tweeter.

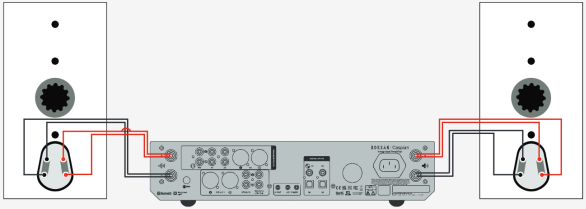
⚠ **CAUTION: When using this method you must keep the terminal links in place.**



Bi-wiring

Bi-wiring is accomplished by connecting separate pairs of loudspeaker cables to the terminals on the loudspeaker from a single pair of connections on the amplifier. In the case of the Silver Series SG, the bottom terminals connect to the bass driver(s) and the top terminals connect to the tweeter in 2 way loudspeakers, or the mid and tweeter in 3 way loudspeakers.

⚠ **CAUTION: When using this method you must REMOVE the terminal links.**

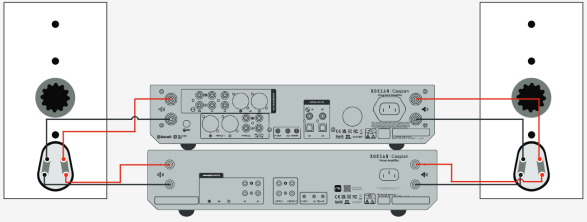


Bi-amping

Bi-amping is the same as bi-wiring except you are introducing a second amplifier into the equation.

In order to bi-amp you must connect a set of loudspeaker cables to the top terminals on the loudspeaker from one amplifier and another set of loudspeaker cables to the bottom terminals from the second amplifier.

⚠ **CAUTION: When using this method you must REMOVE the terminal links.**



Running-in your loudspeakers

Run your loudspeakers in by playing normal music at low-mid listening levels for approximately 50-70 hours play time. You may find the sound will continue to improve even after the 70 hour mark.

This can be done naturally over time: like a fine wine the performance will improve with age.

Alternatively if you wish to run the loudspeakers continuously on loop you can decrease the audible volume/presence by placing the loudspeakers face-to-face so that the drivers/tweeters are directly aligned and as close as possible. Then connect the amplifier to your loudspeakers so that one is as normal (in phase): positive to positive and negative to negative (red to red and black to black), and the other loudspeaker out of phase: positive to negative and negative to positive inputs on the loudspeaker.

Port bungs (excluding Silver Centre 8G & Silver AMS 8G)

If the loudspeaker is to be installed in a small room, typically 9 sqM (80 sqFT), or a room known to reproduce accentuated bass response, it may be desirable to fit a port bung in the affected speaker. However, experimentation is recommended with positioning of the loudspeaker in the room prior to fitting. To optimise performance from the loudspeaker it is important to ensure the loudspeaker is not positioned too close to a wall (except the Silver On-Wall 8G) or near the corners of a room.

If the positioning of the loudspeaker is predetermined by room aesthetics or layout, you find you have accentuated bass or in the case speakers are to be sited in close proximity (less than the minimum suggested distances of page 6) to a rear wall (such as on a bookshelf, positioned in a cabinet or on a stand close to a wall), we recommend fitting the supplied port bungs to the ports. With speakers that have 2 ports, such as the Silver 300 & 500 8G, 1 or both port bungs can be used depending on personal tastes.

This will reduce the bass 'boom' sometimes termed as overhang, and assist the loudspeakers to reproduce their best performance under these environmental conditions. 'Boom' is generally caused when bass energy from the loudspeaker 'excites' room modes and causes an accentuation at a particular frequency, or number of frequencies.

When fitting port bungs the overall bass extension will not be reduced, however bass energy/output around the port tuning frequency will be reduced. This has the effect of reducing bass 'boom' while increasing bass clarity and apparent agility.

In all circumstances experimentation is highly recommended.

Care & maintenance

Upkeep of cabinets

The finish of the cabinet can be maintained by regular dusting using a soft cloth or micro fibre/ lint-free cloth. The drive units should only be cleaned with a damp cloth if more than normal dusting is required.

Never use solvents or aggressive cleaning/polishing agents on your Silver Series 8G loudspeakers. When in doubt, test the cleaning product on an inconspicuous area on the cabinet and let it sit for several days before committing to its use on visible portions of the cabinet.

Retention bolt adjustment

The new Silver Series 8G has a bolt-through driver fixing to reduce cabinet colouration. Each bolt acts as a rigid brace, but also removes the need for conventional driver fixings as well, effectively decoupling the driver and front baffle to eliminate a further source of resonance.

Note: Should this bolt become loose over time, or has worked loose during transit, then please use the supplied allen key to tighten the bolt back up. This only needs to be a quarter turn after the tension has been taken by the bolt. In the factory they are tightened to a torque of 1.5 Nm.

Warranty

In the unlikely event that there is a defect with this product, it is covered by the Monitor Audio manufacturer's warranty, provided that the product was supplied by an authorised Monitor Audio retail specialist.

For the period of cover please refer to the product page on our website at monitoraudio.com

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Specifications

Model	Silver 50 8G	Silver 100 8G	Silver 300 8G	Silver 500 8G	Silver Centre 8G	Silver On-Wall 8G	Silver AMS 8G
System Format	2-Way	3-Way	3-Way	3-Way	3-Way	2-Way	2-Way
Frequency Response, In-Room (-6dB)	43 Hz – 35 kHz	33 Hz – 35 kHz	30 Hz – 35 kHz	28 Hz – 35 kHz	66 Hz – 35 kHz	44 Hz – 35 kHz	82 Hz – 35 kHz
Sensitivity (2.83 Vrms @ 1m, Free-Field)	86.5 dB	87 dB	88 dB	90 dB	89 dB	N/A	85.5 dB
Sensitivity (2.83 Vrms @ 1m, Installed)	N/A	N/A	N/A	N/A	N/A	88 dB	N/A
Nominal Impedance	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Minimum Impedance (20Hz to 20kHz)	3.8 Ohms @ 240 Hz	3.7 Ohms @ 140 Hz	3.9 Ohms @ 3 kHz	3.6 Ohms @ 2 kHz	4.0 Ohms @ 160 Hz	5.5 Ohms @ 20 kHz	3.5 Ohms @ 6.8 kHz
Maximum Peak SPL (AES75, Z-weighted)	110 dB	114 dB	116 dB	119 dB	120 dB	112 dB	111 dB
Continuous Power Handling (CTA 426-B)	100 W	200 W	200 W	250 W	200 W	100 W	60 W
Recommended Amplifier Power (RMS, Music Signal)	50 - 200 W into 4 Ohms 25 - 100 W into 8 Ohms	100 - 400 W into 4 Ohms 50 - 200 W into 8 Ohms	100 - 400 W into 4 Ohms 50 - 200 W into 8 Ohms	125 - 500 W into 4 Ohms 60 - 250 W into 8 Ohms	100 - 400 W into 4 Ohms 50 - 200 W into 8 Ohms	50 - 200 W into 4 Ohms 25 - 100 W into 8 Ohms	30 - 120 W into 4 Ohms 15 - 60 W into 8 Ohms
Bass Alignment	Ported - Silent Flow	Ported - Silent Flow	Ported - Silent Flow	Ported - Silent Flow	Sealed	Ported - Silent Flow	Sealed
Port Tuning Frequency	52 Hz	37 Hz	41 Hz	33 Hz	N/A	47 Hz	N/A
Crossover Frequency	LF/HF: 2.6 kHz	LF/MF: 610 Hz MF/HF: 2.9 kHz	LF/MF: 610 Hz MF/HF: 3.3 kHz	LF/MF: 640 Hz MF/HF: 2.8 kHz	LF/MF: 620 Hz MF/HF: 3.0 kHz	LF/HF: 2.9 kHz	LF/HF: 2.8 kHz
Drive Unit Complement	1 x 6" C-CAM RST III mid-bass driver 1 x 25mm C-CAM Gold Dome tweeter	1 x 8" C-CAM RST III mid-bass driver 1 x 3" C-CAM RST III mid-range driver 1 x 25mm C-CAM Gold Dome tweeter	2 x 6" C-CAM RST III bass driver 1 x 3" C-CAM RST III mid-range driver 1 x 25mm C-CAM Gold Dome tweeter	2 x 8" C-CAM RST III bass driver 1 x 3" C-CAM RST III mid-range driver 1 x 25mm C-CAM Gold Dome tweeter	2 x 6" C-CAM RST III bass driver 1 x 3" C-CAM RST III mid-range driver 1 x 25mm C-CAM Gold Dome tweeter	1 x 6" C-CAM RST III mid-bass driver 1 x 25mm C-CAM Gold Dome tweeter	1 x 5 1/4" C-CAM RST III mid-bass driver 1 x 25mm C-CAM Gold Dome tweeter with optimised wave-guide
Available Finishes	High Gloss Black	High Gloss Black	High Gloss Black	High Gloss Black	High Gloss Black	High Gloss Black	High Gloss Black
External Dimensions (with all accessories fitted) (H x W x D)	335 x 185 x 332 mm (13 3/16 x 7 5/16 x 13 1/16 ")	440 x 230 x 354 mm (17 5/16 x 9 1/16 x 13 15/16 ")	1020 x 295 x 410 mm (40 3/16 x 11 5/8 x 16 1/8 ")	1120 x 340 x 432 mm (44 1/8 x 13 3/8 x 17 ")	205 x 511 x 272 mm (8 1/16 x 20 1/8 x 10 11/16 ")	465 x 300 x 135 mm (18 5/16 x 11 13/16 x 5 5/16 ")	185 x 185 x 312 mm (7 5/16 x 7 5/16 x 12 5/16 ")
Weight	8.2 kg (18 lb 1 oz)	12.1 kg (26 lb 11 oz)	19.3 kg (42 lb 9 oz)	24.3 kg (53 lb 9 oz)	11.7 kg (25 lb 13 oz)	8.9 kg (19 lb 10 oz)	4.5 kg (9 lb 15 oz)
Sold As	Pair	Pair	Pair	Pair	Single	Single	Pair

Listen Again.

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