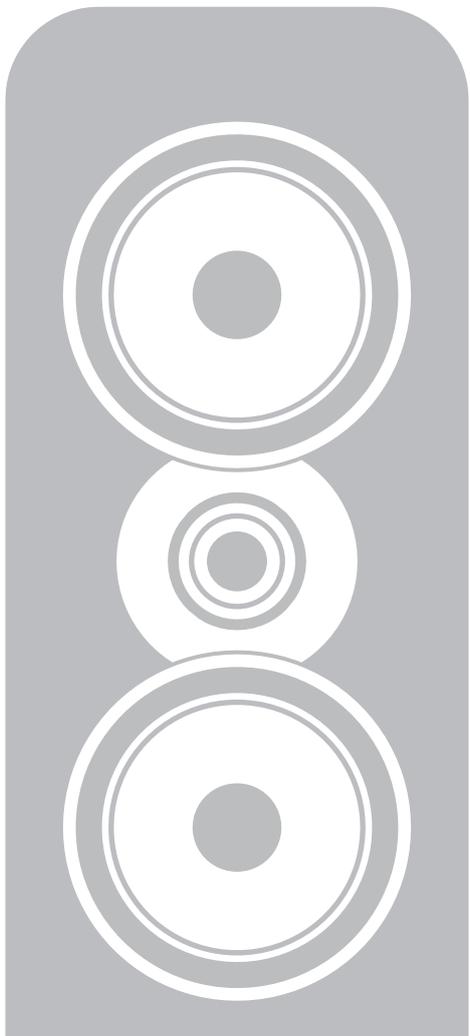


ACOUSTICS

Concept 500

OWNER'S MANUAL



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Important Safety Information and Warnings

1. Safety Information and Warnings

Before making any connections to your loudspeakers make sure that all active units in your system are switched off at the mains.

When switching on your sound system or changing input sources, set the main volume control at a low level. Turn up the level gradually.

NEVER play your sound system at full volume. The position of the volume control is deceptive and does not indicate the power level of the system. Using very high volume settings may damage your hearing.

1.1. Instructions

Read and understand these instructions before you use your loudspeakers. If damage is caused by failure to follow these instructions, the warranty will not apply. Please keep these instructions in a safe place.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

Do not use this apparatus near water.

DO NOT connect your loudspeaker terminals to the mains supply.

Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers that produce heat).

Only use attachments/accessories specified by the manufacturer.

Unplug this apparatus during lightning storms or when unused for long periods of time.

2. Unpacking your loudspeakers



Unpack the speakers fully. Lift the speakers from the cartons by holding the cabinets. Do not use the protective bags to lift them. The Concept 500s are heavy - get assistance to lift them.

When manoeuvring loudspeakers, do not drag them across the floor as this may cause damage - lift each speaker before moving it.

Check the loudspeaker carefully. If any items are damaged or missing, report this to your retailer as soon as possible.

Retain the packaging for future transport. If you dispose of the packaging, please do so following all recycling regulations in your area.

3. Installation

- Only use the accessories supplied with the Concept 500.
- To prevent injury, this apparatus must be securely mounted onto the floor in accordance with the installation instructions.
- If you play your loudspeakers without their grilles fitted, be careful to protect the drive units from damage.
- **DO NOT** dismantle the loudspeaker. You will invalidate the warranty.
- The use of this apparatus is indicated for tropical and/or moderate climates.

3.1. Moisture

- To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain, moisture, dripping or splashing.
- Do not use this apparatus near water.

3.2. Servicing

Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, 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.

4.0. Symbols used on this product

Hazard Warning Symbol



The 'exclamation mark' calls attention to features for which you should read this manual closely to prevent operation and maintenance problems.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Waste Electrical and Electronic Equipment Symbol

This symbol indicates that when the unit is to be discarded, it must be separated from other household-type waste and sent to separate collection facilities for recovery and recycling of electrical and electronic equipment.



Please make sure you are familiar with your local rules on the separate collection of electrical and electronic products.

Thank you for purchasing a pair of Q Acoustics Concept 500s.

This manual is intended to take you through the setup and installation of the Concept 500. It will help provide a trouble free setup and ensure optimum performance from the product.

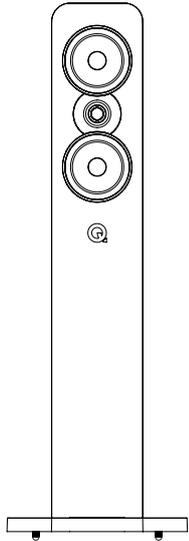
Please read the instructions, important safety information and warnings carefully before installation and use, to ensure the safe and satisfactory operation of this product.

We hope you enjoy the Q Acoustics experience.

Q Acoustics have until now concentrated on designing and marketing loudspeakers that, most would agree, are focussed on the budget end of the market. The objective with the Concept 500 was to concentrate on a perfect balance between art and science to produce a loudspeaker that would be stylish, contemporary, fine-sounding and accurate with less priority on price. Taking away the constraints of designing for lower price points certainly removed some pressure, but the Concept 500 still needed to be considered good value for money within its, significantly higher-end, target market.

The Concept 500 has been developed by Q Acoustics in collaboration with Fink Audio-Consulting and IDA with whom they have built a long-term partnership since working together on their very first loudspeaker project over 10 years ago. In the new Concept 500, this truly talented team of people has produced a beautiful loudspeaker that can be manufactured so consistently that the sound and performance of every unit will be identical.

Package Contents



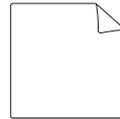
1 x Concept 500



1 x Owner's manual



1 x Jumper



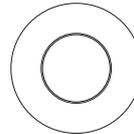
1 x Cleaning cloth



4 x Ball-end feet
(Fitted)

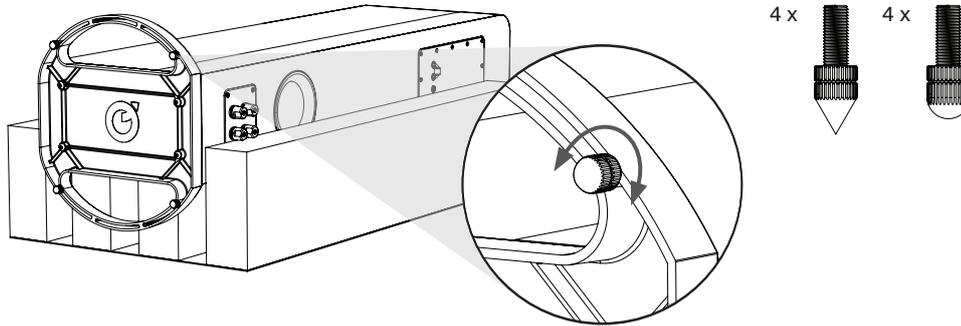


4 x Spike feet



1 x Two part foam bung

Positioning

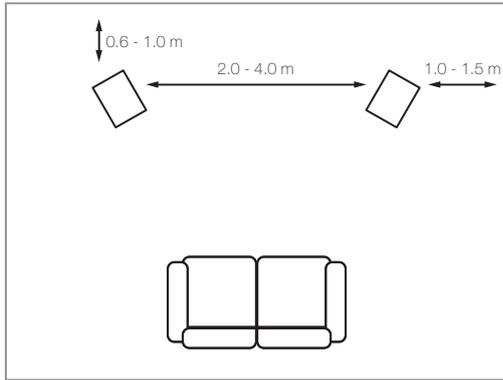


Speaker Installation

The speakers are intended to be floor mounted only. The speakers are shipped fitted with ball-end feet for safety during unpacking. Spike feet are supplied in the accessory box. It is important to ensure that the speakers stand firmly on the floor using the spike feet whenever possible. The spike feet are designed to pierce carpet and rest on the underlying floor surface. Ball-end feet should be used where there is no carpet and the floor surface might be damaged by spike feet.

Whichever type of feet you use, the same procedure should be followed to ensure stable mounting. Initially, screw the lock nuts down so that they touch the foot end, as in the diagram above. Then screw the feet fully into the threaded inserts in the plinth. If the cabinet rocks when placed on the floor, unscrew the two feet that do not touch the floor until the cabinet rests firmly without rocking. Make sure that the speaker is upright and level. Finally, lock all four nuts against the plinth.

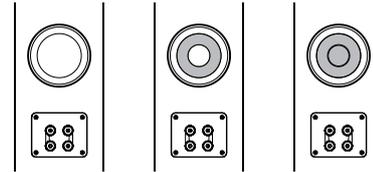
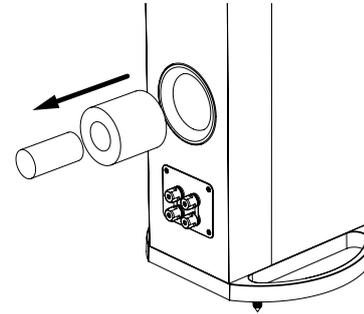
To avoid damage when spikes are fitted, do not drag the speaker and take care to place it where it cannot cause damage or pierce mains cables etc. Used properly, spike feet will not damage carpets. For very soft wooden floors it may be advisable to use spike shoes or coins between the spikes/ball and the floor.



Speaker Positioning

The speakers should be placed 2.0 – 4.0 m apart and equidistant from the seated listener. Turning the speakers slightly inwards will sharpen the stereo image at the expense of a narrower sound stage.

Concept Series speakers are rear ported and designed to work best with at least 600 mm of free space behind them. Generally, the closer the speakers are to the rear wall the more the bass frequencies will be reinforced until they overwhelm the overall sound. In this instance closing the rear port with the foam bung will tend to reduce bass, which is useful when domestic circumstances demand that the Concept 500 is used closer to a rear wall. Ensure that the bungs are fitted snugly into the port but avoid inserting them too far. You will find the overall level of bass is reduced but bass extension and definition will be increased. The optimal position of the speakers will only be found through experimentation and by making small adjustments during the first few listening sessions.



The foam bungs come in two parts so that they can be used to fully or partly close the rear port. Again, the optimum configuration of the port can only be found by experimentation.

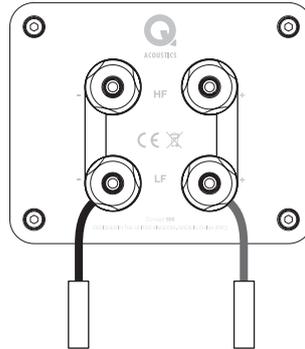
Speaker positioning in a room is not an exact science. Even experts will find it necessary to experiment.

Try to achieve the best balance between bass quantity versus quality and vocal quality versus intelligibility.

Connections

Terminals and Connectors

The Concept 500s are bi-wireable. A bi-wireable crossover has four terminals. The upper pair of terminals connect to the treble (HF) speaker and the lower pair to the bass (LF) speaker. The crossovers are pre-fitted with removable links to connect the terminal pairs and configure the loudspeaker in single-wire mode. This allows you to connect the loudspeaker conventionally using one pair of cables.

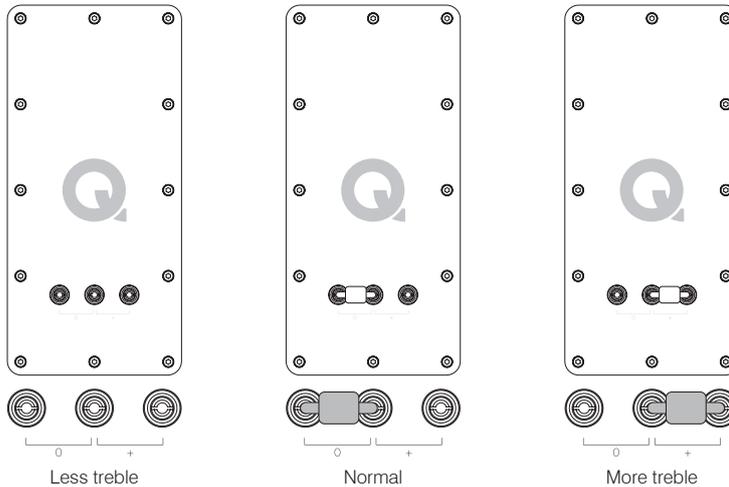


Standard Connections

Connect the RED (+) terminal of the RIGHT loudspeaker to the RED, Positive (+) terminal on the RIGHT channel of the amplifier.

Connect the BLACK (-) terminal of the loudspeaker to the matching BLACK, Negative (-) terminal of the amplifier.

Repeat this procedure for the LEFT channel.



Crossover jumper

The Concept 500 loudspeaker system features an elegant way to allow the user to tailor high frequency response to the particular listening environment by the placement of a simple jumper bar on the rear of the speaker.

With the jumper fitted to the two leftmost terminals the speakers will deliver the level of HF energy the designer intended for a 'normal' room acoustic. Removing the jumper completely, delivers a response with less HF (treble) energy than the "ideal" response and a small increase in HF energy will be obtained with the jumper fitted to the two rightmost terminals.

Heavily furnished rooms may require a small increase in HF level whereas sparsely decorated rooms may be quite reverberant and require a response with slightly less HF energy.

Please bear in mind that there is no "correct" position. The final position should be the one which gives the listener maximum enjoyment when listening to their favourite music.

Running In

In common with many types of complex mechanical systems the Concept 500 loudspeaker will not deliver its optimum performance until it has been in use for a certain initial running-in period. The correct performance of a loudspeaker depends in part on the compliance of the suspension materials used during manufacture and these will only attain their long term steady state once they are operating at the temperature and modulus of elasticity specified during the design phase. It can take several days for a speaker which has been stored in a cold warehouse to finally reach room temperature and a few tens of hours of normal use for the drive units to loosen up sufficiently for them to perform as the designer intended.

Aftercare

Cabinet Care



Clean cabinets only with a lightly dampened cloth. Do not use solvent based cleaning materials. Never use abrasives of any kind.

The cabinet surfaces will usually only require light dusting. Should an aerosol or other cleaner be used, apply the cleaner onto the cloth first and not directly onto the product. Test a small area first, as some cleaning products may damage the finish. Avoid products that are abrasive, or contain acid or alkaline agents. Do not use any cleaning materials on the drive units and avoid touching them as damage may result.

Real wood veneers are treated with an ultra-violet resistant lacquer to minimise changes in colour over time. Nevertheless, like all natural materials, a degree of colour change is to be expected. Keep the speakers away from direct sources of heat such as radiators and warm air vents in order to minimise the possibility of the wood veneer cracking. Keep the speakers away from direct bright sunlight.

Grilles

Grilles should only be cleaned using a soft brush when necessary.



If using the Concept 500 with the grilles removed, remember to replace them if pets or children are present.

Drive Units

Do not touch the drive units as they are easily damaged when exposed.

Warranty

Q Acoustics passive loudspeaker products are warranted free of defects in materials and workmanship for a period of 4 years from the date of purchase. During the warranty period Q Acoustics will, at its option, repair or replace any product found to be faulty after inspection by the company or its appointed distributor or agent.

Misuse and fair wear and tear are not covered by warranty.

Goods for repair should in the first instance be returned to the supplying dealer. If this is not possible contact Q Acoustics or their appointed distributor for your area to determine the correct warranty procedure. If possible the original packaging should be used to return the product as damage sustained during transit to the repair centre is not covered by the warranty. The warranty does not in any way affect your legal rights.

Warranty can be extended to 5 years by registering your product at qacoustics.co.uk/register.

For service information contact: info@qacoustics.co.uk

Q Acoustics
Armour Home Electronics Ltd.
Stortford Hall Industrial Park
Bishops Stortford, Herts, UK
CM23 5GZ

Specifications

Performance

Frequency Response (-6dB, +3dB)	41 Hz – 30 kHz
Average Impedance	6 Ω
Minimum Impedance	3.7 Ω
Sensitivity	90 dB/W/m
Recommended Power	25 – 200 W
Distortion (120Hz – 20kHz)	0.2 %
Crossover Frequency	2.5 kHz

Driver dimensions

Mid / Bass Driver	2 x 165 mm (6.50 inches)
High Frequency Unit	28 mm (1.10 inches)

Weight and dimensions

Weight (per cabinet)	42 kg (92.59 pounds)
Cabinet (inc. plinth)	400 x 1150 x 350 mm (15.75 x 45.28 x 13.78 inches)
Cabinet (inc. spikes and terminals) (W x H x D)	400 x 1175 x 375 mm (15.75 x 46.26 x 14.76 inches)



Q A C O U S T I C S . C O M

Our policy is one of continuous product improvement.
We reserve the right to change the designs and specifications without notice.
This document contains information that is subject to change without notice

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