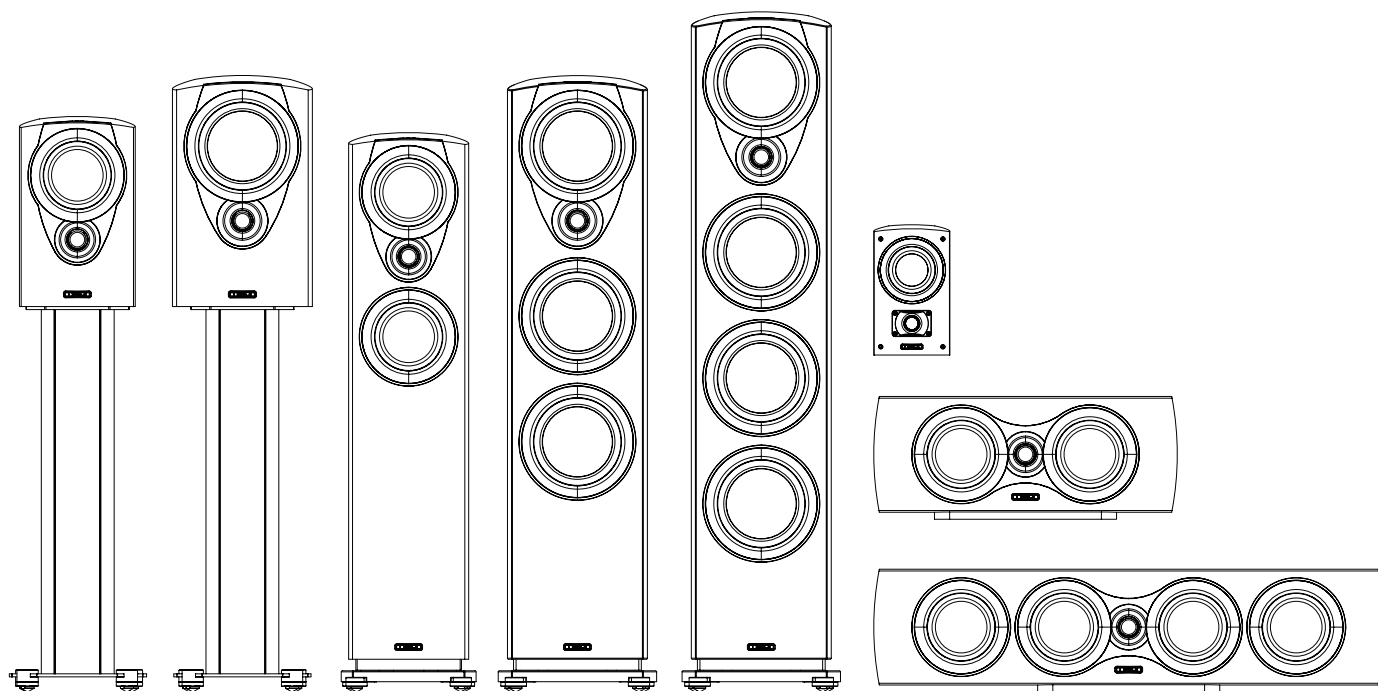


SXR
SX1
SX2
SX3
SX4
SX5
SXC1
SXC2



SX Series

MISSION

Cautions: Before installing this product read all these instructions.

IMPORTANT SAFETY INSTRUCTIONS



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

Read these instructions.

Keep these instructions.

Heed all warnings.

Follow all instructions.

DO NOT use this apparatus near water.

Clean only with dry cloth.

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

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

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

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.

Install in accordance with the manufacturer's instructions.

WARNING: If using spikes make sure that they do not pierce mains cable etc. under /above the carpet.

When making any connections, switch the amplifier off.

When you switch on your system or change sources, set the volume control at minimum and turn the level up gradually.

DO NOT use your amplifier at full volume.

Avoid extreme settings of tone controls or graphic equalisers. Ideally, they should be set 'flat' or, if possible, bypassed.

DO NOT place heavy objects on top of loudspeaker cabinets.

Ensure that all loudspeakers in the system are correctly wired and are in phase.

DO NOT connect your loudspeakers to the mains supply, except for subwoofers.

DO NOT attempt to dismantle the loudspeaker. There are no user serviceable parts inside and you will render the warranty void.

Site hi-fi electronics away from the loudspeakers on a rigid stand or cabinet.

Loudspeakers should not be placed directly facing other hi-fi units, or share the same shelf or cabinet.

Site unscreened speakers and subwoofers at least 0.5m away from TV sets, computers, etc. Some manufacturers forbid the placing of objects on top of their TV sets. Check your TV handbook before installing the centre speaker directly on your TV set. Consult your TV dealer if you are in any doubt.

Use only attachments / accessories specified by the manufacturer.

DO NOT subject loudspeakers to excessive cold, heat, humidity or sunlight.

DO NOT block any ventilation openings.

DO NOT defeat the safety purpose of the polarised or grounding-type plug. A polarised 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.

The apparatus must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should be placed on the apparatus.

Use only with a 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.



CAUTION: The mains power switch for this appliance is located on the rear panel. To permit free access to this switch the apparatus must be located in an open area without any obstructions. The mains power plug must remain freely operable at all times.

CAUTION: Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.

	CAUTION! RISK OF ELECTRIC SHOCK DO NOT OPEN	
TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-REMOVEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED PERSONNEL		
ADVERTISSEMENT: RISQUE DE CHOC ELECTRIQUE PAS OUVRIR		



Warning

When an amplifier is driven beyond its power output capabilities it will produce distorted results which will quickly damage your speakers by overheating. Make sure that your amplifier is not left unattended when playing, for example at parties, and turn the volume control down at the first sign of audible distortion.

Warranty Conditions

The warranty card enclosed should be completed and returned to Mission or its Distributor within 8 days of purchase.

No Dealer or Distributor may vary the terms of this warranty which is personal to the original purchaser and is not transferable.

Please retain the sales receipt as proof of purchase.

Warranty claims must wherever possible be made through the Dealer from whom the equipment was purchased.

This warranty excludes:

Damage caused through neglect, accident, misuse, wear and tear, or through incorrect installation, adjustment or repair by unauthorised

personnel. Any unauthorised servicing will result in loss of warranty.

Liability for damage or loss occurring in transit to or from the purchaser.

Consequent damage, loss or injury, arising from or in conjunction with this equipment.

Equipment for attention under warranty should be considered return carriage paid. If equipment is found to comply with the published specification, Mission reserves the right to raise a charge.

The above conditions do not affect your statutory rights as a consumer.

Welcome to Mission!

The **SX** Series is the latest in a long line of distinguished Mission loudspeakers. These technologically advanced loudspeakers will complement the finest electronics and décor. This series incorporates purpose - designed bass driver cones, precision engineered motor systems and advanced tweeters. All our loudspeaker drive units are manufactured in our factory using the latest precision tooling. Gold-plated binding posts feature on all models. Your Mission **SX** speakers will bring you great pleasure for many years.

General Information

Please read these instructions carefully before installing your loudspeakers. A few minutes studying this manual will ensure superb performance from your loudspeaker for many years.

Please pay attention to all cautions printed on the pages marked with this symbol.



Unpacking Your Loudspeakers

- Carefully unpack each loudspeaker.
- Retain all the packing material so that your loudspeaker can be repacked and shipped without damage.
- If you dispose of the packing, do so with regard to all recycling provisions in your area.

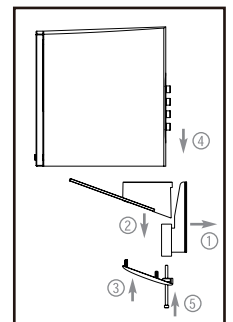
Preparing Your Loudspeakers

The Mission **SX3**, **SX4**, and **SX5** floorstanding models require fitting with the included plinth and spikes before use. Use the screw provided to secure the plinths to the base of the speakers. Make sure that the screws are fully tightened.

After unpacking, the other loudspeakers need no further preparation.

1. Wall mounting the **SXR**

- ① Using the rear plate of the wall bracket as a template, mark positions on the wall for four screw fixings. Screw the bracket to the wall using wall plugs and screws suitable for the wall construction and the weight of the loudspeaker.
- ② & ③ Slide the speaker support arm onto the bracket and attach the base plate. Make the connections to the terminals on the rear of the speaker, as explained on page 2.
- ④ Carefully place the speaker on to the speaker support arm, making sure that the front extensions of the arm slot into the recess on the base of the speaker.
- ⑤ Secure the speaker on to the arm using the fixing screw provided.



2. Preparing the Floorstanding Loudspeakers (**SX3**, **SX4**, **SX5**)

Fitting the Spikes

- Invert the loudspeaker and place the top on a soft stable surface, or place the loudspeakers on a towel or soft cloth to protect the surface.
- Screw a threaded collar on each spike.
- Screw a spike half way into each spike retainer fitted in the base of the cabinet.
- Tighten the collar finger tight onto the spike retainer.
- Carefully return the loudspeaker to its normal position.
- Ensure that spikes do not pierce cables etc. under the carpet.



Adjusting the Spikes

- Loosen each collar slightly.
- Adjust the height by screwing in or out one or more of the spikes until the loudspeaker is stable and level.

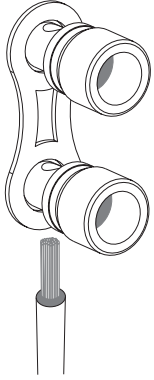


Warning: Be careful, loudspeaker spikes are very sharp. Keep well away from children and pets during assembly. When positioning the speakers avoid piercing electrical cables or objects that may be under floor coverings, etc.

Connecting your Loudspeakers

Conventional Loudspeaker Connections

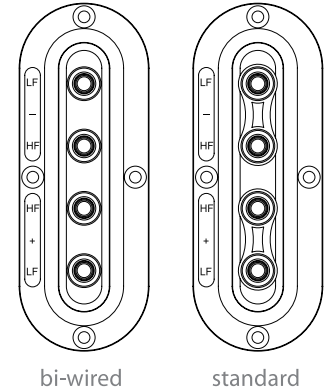
Loudspeaker cable is polarity coded along one edge. Split the cable to a depth of about 25mm and strip 8mm of insulation from each wire. If the cable is stranded, twist the strand together.



Terminal Panels

Your loudspeakers use two or four terminals. When single wiring speakers use the connecting links as shown opposite. Unscrew the terminal. Thread the bare end of the cable through the cross-hole ensuring there are no loose strands. Tighten securely.

Connect the red, positive (+) terminal of the Left loudspeaker to the corresponding red, positive (+) amplifier terminal. Connect the black, negative (-) terminals similarly. Repeat for the Right channel.

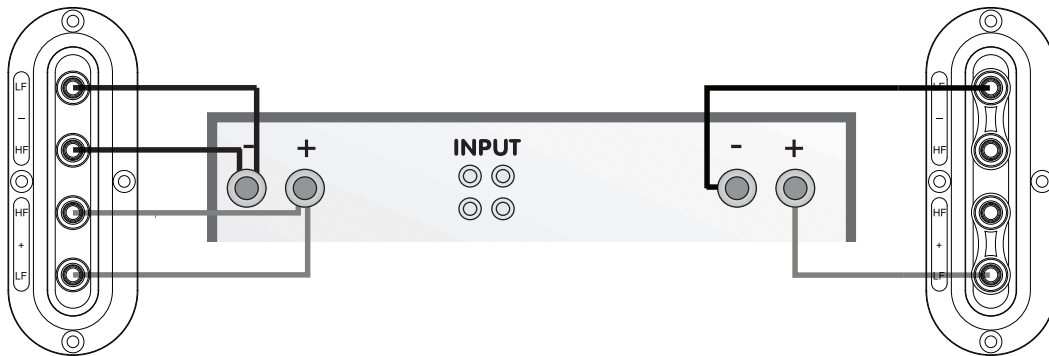


Bi-Wiring

All models in the Mission **SX** Series can be bi-wired for improved performance.

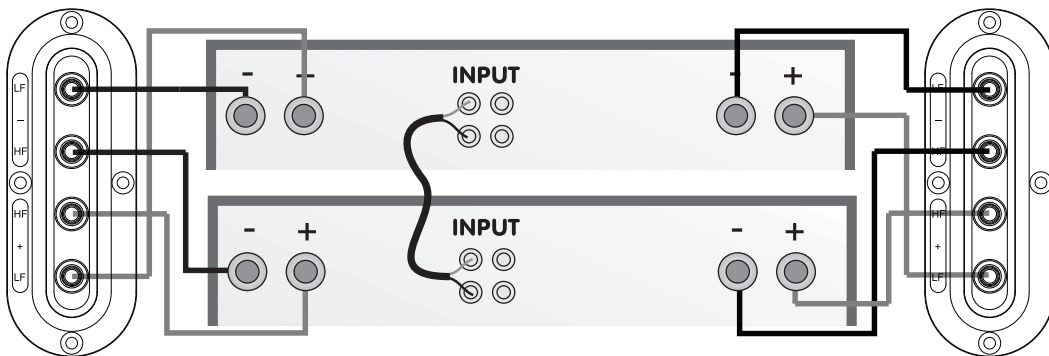
Remove both pairs of shorting links and connect a cable to each pair of terminals, running them to a common connection at the amplifier output terminals.

In the figure to the right, the terminal panel on the left is bi-wired; the panel on the right is conventionally wired. Note the shorting links.

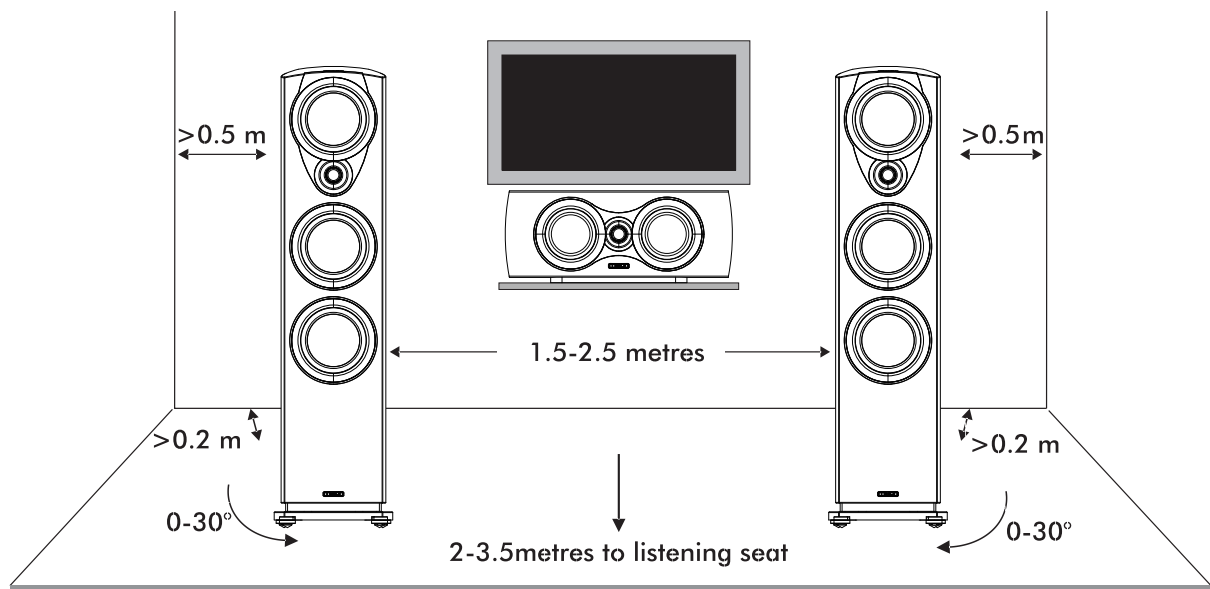


Bi-Amping

By using separate amplifiers for LF and HF drive units you can further improve performance. This is known as bi-amping. Note that the amplifier inputs are linked.



Positioning your Loudspeakers



Floor Standing and Bookshelf Loudspeakers

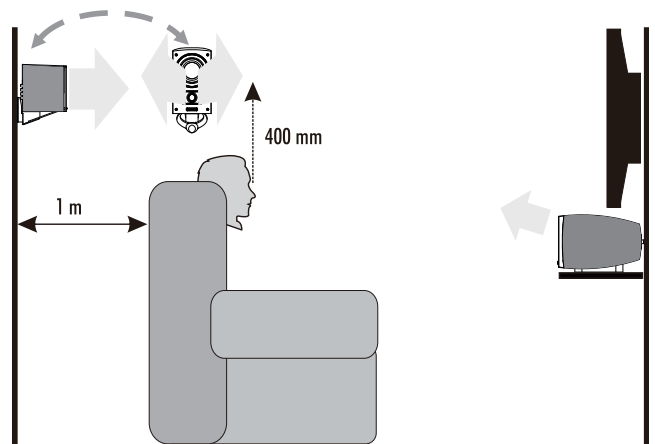
Mission **SX3**, **SX4** and **SX5** loudspeakers should be placed on the floor (ideally on spikes). Mission **SX1** and **SX2** should be mounted on rigid stands, ideally spike coupled to the floor.

Height is important: a stand should place the top of a speaker at ear level to a seated listener. Shelf or bracket mounting is second best. The distance from the wall can profoundly affect loudspeakers' sonic performance. If your speakers are too close to the wall the bass will boom and sound coloured. Moving them into the room may increase clarity but tends to reduce bass output. When positioned correctly, the high frequency response is smooth with well-defined, powerful bass. Start with the speakers about 300mm from the wall and 1.8 metres apart. The distance from each loudspeaker to the side wall should be at least 500mm. Vary the distance between the two loudspeakers and the distance from the wall until you get a perfect stereo stage. If your loudspeaker are wired correctly, the sound should be full with clean treble and a deep, rich bass.

Centre and Surround Speaker

You **SXC1** and **SXC2** Centre loudspeakers should be sited on top of the TV monitor, or on a shelf in a console below the TV set. If you place the unit directly on top of the TV, ensure that the cabinet can stand the weight and the assembly is stable. Place the stand on a stable surface and place the **SXC1** or **SXC2** on the stand. Ensure the stand is central to the speaker cabinet. Check your TV handbook or consult your TV dealer if you are in any doubt.

The surround speakers should be placed above head height and behind the listening seat. They may be stand or bracket mounted on the side walls or on the rear walls but always behind the listener. Do not operate them within 450mm of a TV screen.



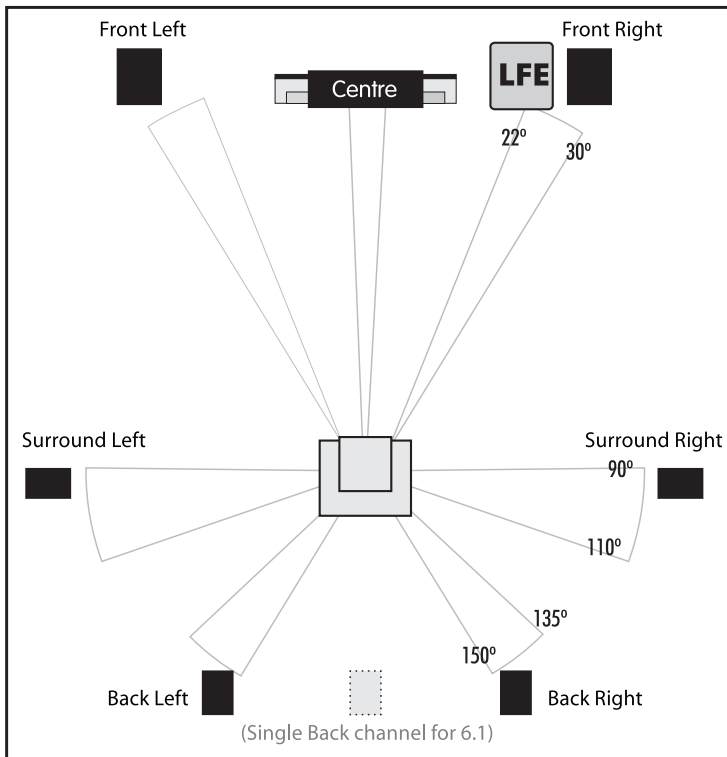
Tuning and Phase

Phase: To check loudspeaker phase, check the polarity of your speaker wire at the terminals of the loudspeakers and at the loudspeaker terminals of the amplifier. The conductor colour should always be connected the same way round. If your loudspeakers are connected correctly, you hear a full sound with clean midrange and deep and powerful bass.

Fine Tuning: All the loudspeakers except **SXR** and **SXC1** are reflex enclosures. Although these will not normally be needed, foam port bungs are provided which may be used to alter the bass parameters and damp resonances, especially when operating the loudspeakers next to walls etc. Place a bung in each speaker port and adjust them in and out as needed.

Home Theatre Topics

Dolby Labs Recommended Multi-Channel Loudspeaker Positions.



Loudspeaker Positioning

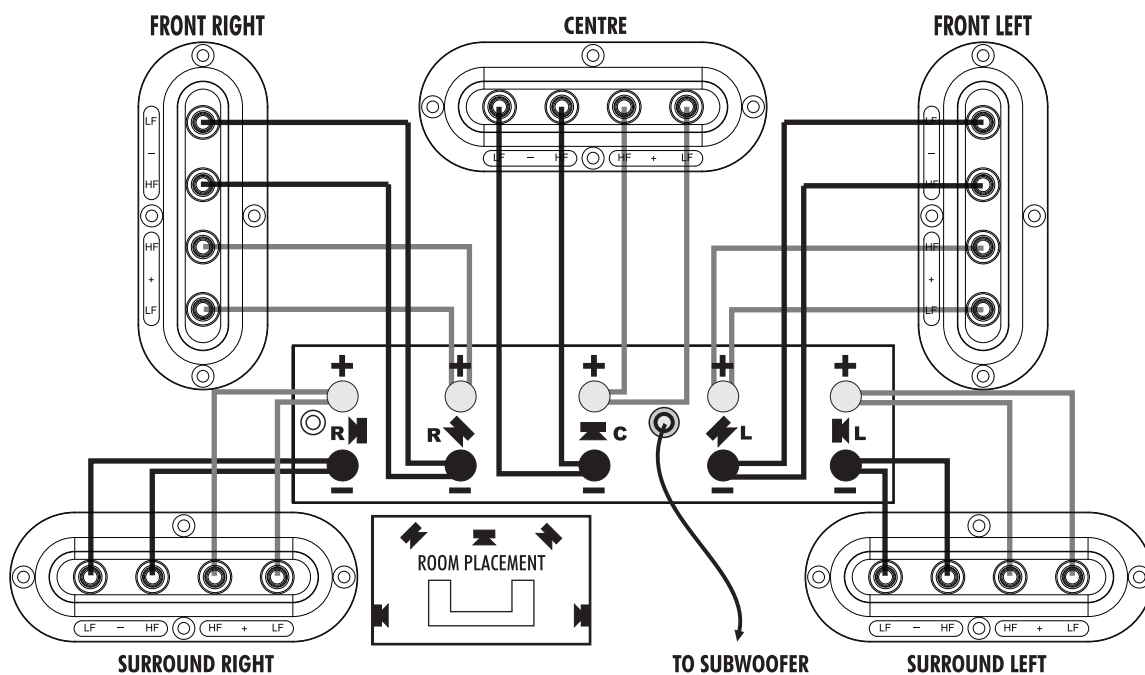
Front Loudspeakers: The front loudspeakers are placed on either side of the TV monitor, 2 to 3 metres apart. The speakers should be angled slightly so they are aimed towards the listeners.

Rear Surround Channels: We recommend placing the surround speaker in a high position, behind the listeners head. If the rear wall is more than 1 metre behind the listening seat, an alternative position is on the side walls. If the walls are a long way from the listening seat, consider stand mounting the loudspeakers.

Centre Channel: Most of the dialogue comes from the centre loudspeaker. Speech should appear to originate from the actors mouths. Operating height is important. Ideally the front and centre channel speakers should be at the same height. The front of the cabinet should be level with the TV screen.

5.1 System Connections

The front left and front right channels are bi-wired to provide the best fidelity. All effects speakers use standard wiring.



Setting Speaker Sizes

When used with a subwoofer, digital AV processors usually require you to set the size of the loudspeakers for good bass management. This is usually 'Large' or 'Small'. With the exception of the **SX1** and **SX2** all the loudspeakers should set to 'Large'. Depending on the performance of your subwoofer you may set the **SX3** either to 'Large' or 'Small'.

Loudspeaker Maintenance

Use a cloth to clean you cabinet and, very occasionally, a slightly damped cloth to remove finger marks etc. Although the grilles may be removed, these speakers have been voiced to sound at their best with grilles on. We do not advocate removal of the grilles: if necessary clean grilles carefully in place with a soft brush.

Service Centre

Should a fault occur with your loudspeakers, please pack it correctly, using the original packing, so you can ship it safely. Product for service should be returned to the appointed dealer from whom you purchased the product. If you experience difficulties or there is no Mission dealer in your area, contact the Mission distributor for your country or the office below.

UK

IAG Service Dept., Unit 4, St Margaret's Way, Stukeley Meadows Industrial Estate, Huntingdon, Cambs, PE29 6EB, England

Tel: +44 (0)1480 452561

Fax: +44 (0)1480 413403

Specification

	SX1	SX2	SX3	SX4
General Description	Bookshelf/Standmount	Bookshelf/Standmount	Floor-standing	Floor-standing
Enclosure Type	Bass Reflex	Bass Reflex	Bass Reflex	Bass Reflex
Transducer Complement	2-way	2-way	2-way	3-way
Bass Driver	130mm Aluminium Cone	160mm Aluminium Cone	2 x 130mm Aluminium Cone	2 x 160mm Aluminium Cone
Bass/Mid Driver	-	-	-	160mm Aluminium Cone
Treble Driver	25mm Titanium Dome	25mm Titanium Dome	25mm Titanium Dome	25mm Titanium Dome
AV Shield	No	No	No	No
Sensitivity (1W @ 1m)	85dB	85dB	86dB	90dB
Recommended Amplifier Power	20-75W	20-100W	20-150W	60-200W
Peak Power Handling	75W	100W	150W	200W
Peak SPL	100dB	102dB	105dB	110dB
Nominal Impedance	6Ω	6Ω	6Ω	4Ω
Minimum Impedance	3.9Ω	3.9Ω	4.8Ω	3.3Ω
Frequency Response (+/-3dB)	62Hz-40kHz	58Hz-40kHz	56Hz-40kHz	55Hz-40kHz
Bass Extension (-6dB)	52Hz	50Hz	48Hz	44Hz
Crossover Frequency	2.2kHz	2kHz	2kHz	500Hz/2.5kHz
Dimensions (H x W x D)	313 x 191 x 293 (mm)	381 x 231 x 365 (mm)	922 x 222 x 333 (mm)	1016 x 261 x 365 (mm)
Net Weight	7kg/each	10kg/each	20kg/each	27kg/each
Gross Weight	16kg/carton	22kg/carton	23kg/carton	31kg/carton
Standard Accessories	User Manual	User Manual	User Manual, Spikes	User Manual, Spikes
	SX5	SXC1	SXC2	
General Description	Floor-standing	Centre Channel	Centre Channel	
Enclosure Type	Bass Reflex	Sealed Box	Bass Reflex	
Transducer Complement	3-way	2-way	2.5-way	
Bass Driver	3 x 160mm Aluminium Cone	2 x 130mm Aluminium Cone	2 x 130mm Aluminium Cone	
Bass/Mid Driver	160mm Aluminium Cone	-	2 x 130mm Aluminium Cone	
Treble Driver	25mm Titanium Dome	25mm Titanium Dome	25mm Titanium Dome	
AV Shield	No	No	No	
Sensitivity (1W @ 1m)	90dB	87dB	90dB	
Recommended Amplifier Power	60-200W	20-100W	50-150W	
Peak Power Handling	240W	100W	150W	
Peak SPL	110dB	104dB	109dB	
Nominal Impedance	4Ω	4Ω	6Ω	
Minimum Impedance	3.5Ω	4.0Ω	4.6Ω	
Frequency Response (+/-3dB)	54Hz-40kHz	80Hz-40kHz	65Hz-40kHz	
Bass Extension (-6dB)	44Hz	68Hz	48Hz	
Crossover Frequency	450Hz/2.5kHz	2kHz	1.8kHz/2.6kHz	
Dimensions (H x W x D)	1121 x 261 x 365 (mm)	202 x 500 x 293 (mm)	202 x 840 x 293 (mm)	
Net Weight	31kg/each	10kg/each	18kg/each	
Gross Weight	35kg/carton	11kg/carton	20kg/carton	
Standard Accessories	User Manual, Spikes	User Manual	User Manual	

* The right is reserved to alter performance, specification and appearance as required.



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