



## mission 700 Bookshelf Speaker User Manual

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700 Bookshelf Speaker User Manual



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## Important Safety Instruction

Before installing this product read all these instructions!

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

Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions.

Before making any connections, switch all the units in your system off at the mains.

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

DO NOT use your amplifier at full volume.

Ensure that all loudspeakers in the system are correctly wired.

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

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

DO NOT place heavy objects on top of loudspeakers.

Some manufacturers forbid the placing of objects on top of their TV sets. Check your TV handbook before installing

the speaker directly on your TV set. Consult your TV dealer if you are in any doubt.

DO NOT connect speaker terminals to the mains supply.

DO NOT dismantle the loudspeaker. There are no user serviceable parts inside it and you will void the warranty by doing so. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

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

### Unpacking Your Loudspeaker


700 loudspeakers come in different shapes and sizes. If you are unpacking a floor stander, please remember that these units are heavy. We suggest that you have someone to assist you.

Lift the loudspeaker carefully out of the packing. DO NOT try and lift the loudspeaker using the protective bag.

Unpack the accessories carefully.

If there is any sign of damage or if the contents are incomplete, report this to your dealer as soon as possible.

Retain the packing for future safe transport of the product. If you dispose of the packing, do so with respect to any recycling provisions in your area.

 **WARNING:** When an amplifier is driven beyond its power output capabilities it will produce distorted waveforms 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

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 the 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.

### **General Information**



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

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

## **Introduction**

### **Welcome to Mission!**

Mission is a brand that purveys lifestyle audio fusing Hi-Fi heritage with contemporary design.

Music leads, technology follows.

Revisited as a sister model to the eagerly anticipated reintroduction of the Mission 770 – a model which heralded the return to UK manufacturing for the Mission brand; the Mission 700 takes what was referred to as an ‘industry benchmark, in the original 700 model, but utilises Mission’s 40 years of evolution and development in loudspeaker design.

Led by Mission’s Director of Acoustic design, Peter Comeau, the new Mission 700 bears a striking aesthetic resemblance to the original. However, there are many complex innovations and improvements that bring this revered model bang up to date.

As with the flagship 770, Mission has developed a new polypropylene bass/midrange driver and model-specific motor system. This transducer not only upgrades the loudspeaker’s integral design to take account of modern power handling and dynamic requirements, but it also maintains the extended response and low colouration of the original model with all the hallmarks and distinction of a class-leading loudspeaker.

From the rigid, cast chassis to low-density surround, every aspect has been revisited to offer a driver with improved rigidity, precision-controlled cone-termination and dynamics performances that offer a tight, fast and energetic output.

The distinctive reflex port has been carefully profiled both internally and externally to achieve very low distortion and extension to below 38Hz in-room.

Employing a new lightweight, coated microfibre dome for the high-frequency driver, the Mission 700 replicates the flagship 770 with a specially damped rear chamber that offers super smooth treble performance, largely thanks to the resonance control offered by such a design.

The Mission 700 was a precursor for what would become a Mission standard in an unconventional driver array, something Mission refers to as ‘Inverted Driver Geometry’. Not just a design statement, IDG is a staple of Mission loudspeaker design from the 700 onwards. By positioning the treble unit below the bass/midrange driver, the length of the path is equalised so the sound waves coincide at the listener’s head height. This principle improves ‘time alignment’. Such design requires more than just inverting the speaker cabinet. Every aspect of the industrial and mechanical design requires a precision calculation to ensure the positioning, spacing and alignment aids the objective of optimum ‘time alignment’. This is perfected by an artisan-level crossover design.

Part of the Mission design process includes advanced software-based crossover mapping and simulation to accurately equalise the balance of the drivers for seamless integration into the overall loudspeaker performance. Not breaking with tradition or protocol, the efficiency of the software-based development is matched in equal part with 1000s of hours of listening tests. The resulting crossover design brings a musical character with thrilling detail and musicality not just matching but superseding the acclaimed level of performance set by the original Mission 700.

Form factor remains true to the original, wherever possible. This includes hand-applied, rich rose-tinted walnut or black real wood veneers and a luxurious laminated white-front baffle. However, as spoken of in the original design, the Mission 700 makes use of less visible innovations incorporated into the design. The new 700 cabinet uses a sandwich construction of differing woods bonded by a layer of damping adhesive. Internal bracing adds

further strength and support while a mixture of foam and long hair fibre provides internal resonance and reflection absorption.

As it was in the beginning with the original, the new Mission 700 packs technology and know-how into a benchmark loudspeaker design that is never short in bass definition, frequency response; lack of colouration; imaging; transient attack; depth and perspective; accuracy and linearity; speed and dynamic range. And as you'd expect from a model with such nostalgia and history, the emotion in musical performance is never short in supply!

## Positioning The Loudspeakers

The Mission 700 loudspeakers incorporate an offset treble unit design and are supplied in matched, mirror-image pairs. Therefore, the cabinets should be positioned with treble units on the inner side.

If you are sitting within 2 metres of the speakers, the distance between the speakers should be similar to the distance between you and the speakers.

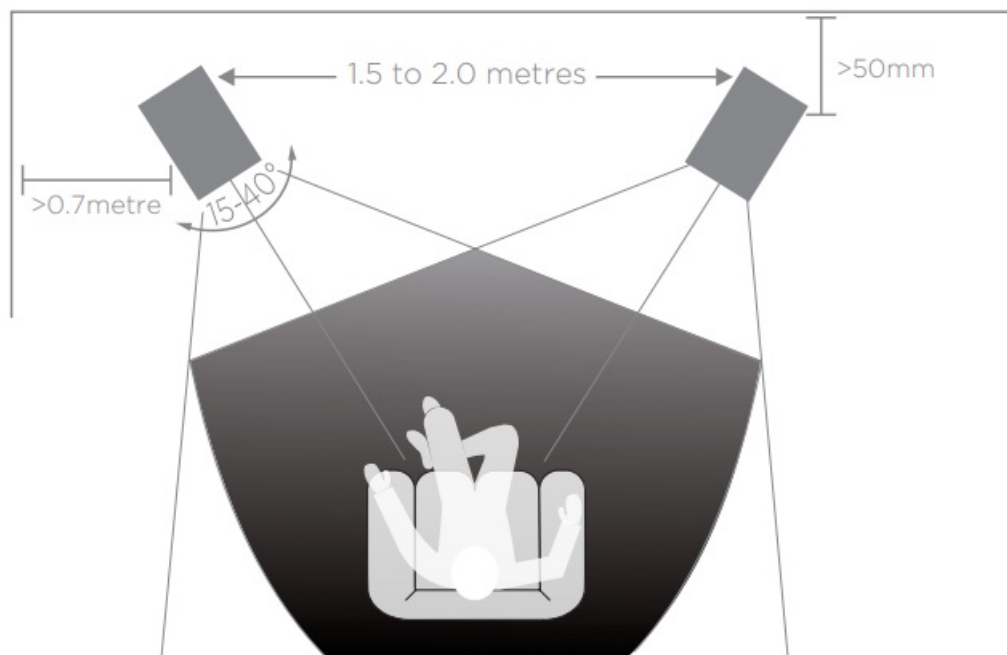
Otherwise site the speakers between 2 to 2.5 metres apart, clear of room corners. The quality and quantity of bass can be adjusted by moving the speakers closer to, or farther from, the wall behind the speakers.

If the loudspeakers are placed too far from the walls, the bass may be too light and lacking warmth. If the loudspeakers are placed too close to the walls the bass will increase but may be boomy and indistinct. If the loudspeakers are placed further apart, the inward angle ("toe in") may be increased by up to 30%. As personal taste and room acoustics play a large role, experiment with different configurations and play a wide range of programme material before finalising the position of your speakers.

The optimum listening position is in an area between the speakers broadly known as the "sweet spot". The more extreme the angle of toe-in the narrower the sweet spot. Mission loudspeakers are designed to cover a wide sonic perspective so there should be no need for extreme settings.

A mild angle inwards will cover a wide range of seating positions.

The grilles are provided to protect the loudspeaker drive units from accidental damage. For critical listening, you may remove the grilles.



## Setting Up a Home Theatre System

**Front and Effects Channels:** The front loudspeakers are placed on either side of the television screen, 2 to 3 metres apart. The speakers should be angled slightly so they are aimed towards listeners. We recommend placing the rear effects speakers in a high position, behind the listener's head. If the rear or side walls are a long way from the listening seat, consider stand mounting the loudspeakers. If the centre loudspeaker is very high or low, angle it towards the listener's ear level.

The front faces of the centre and surround loudspeakers should also be in line as far as possible.

Subwoofer: As the ear is unable to detect the direction from which deep bass originates, you have freedom to position the unit. Varying the distance from the wall alters the bass. Placing the subwoofer across a corner boosts the bass but may impair clarity. The performance of a home theatre system can be enhanced by using two subwoofers.

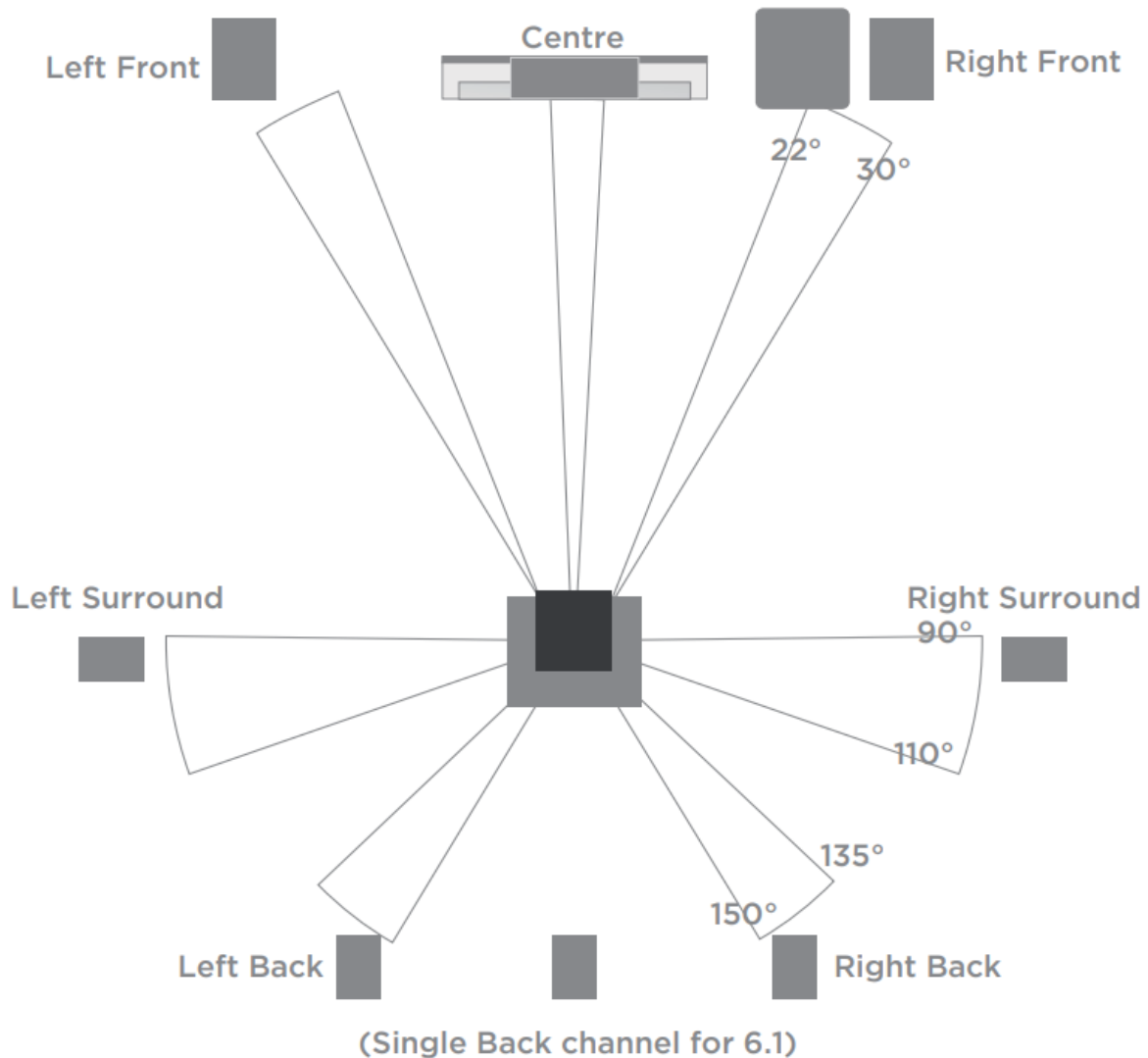
### 6.1 and 7.1 System Placement

Dolby Labs, DTS and THX offer 6.1 and 7.1 format. Although the precise configuration of these systems will depend on the capabilities of your processor and you should be guided by those instructions, we would make some observation.

For 6.1 and 7.1 formats the listening seat should not be too close to the rear wall.

Optimising the time delay so that information from all speakers arrives the listening seat coherently is critical of the benefits of these systems are to be fully realised.

Dolby Labs Recommended Placement for Multichannel Home Theater Systems.



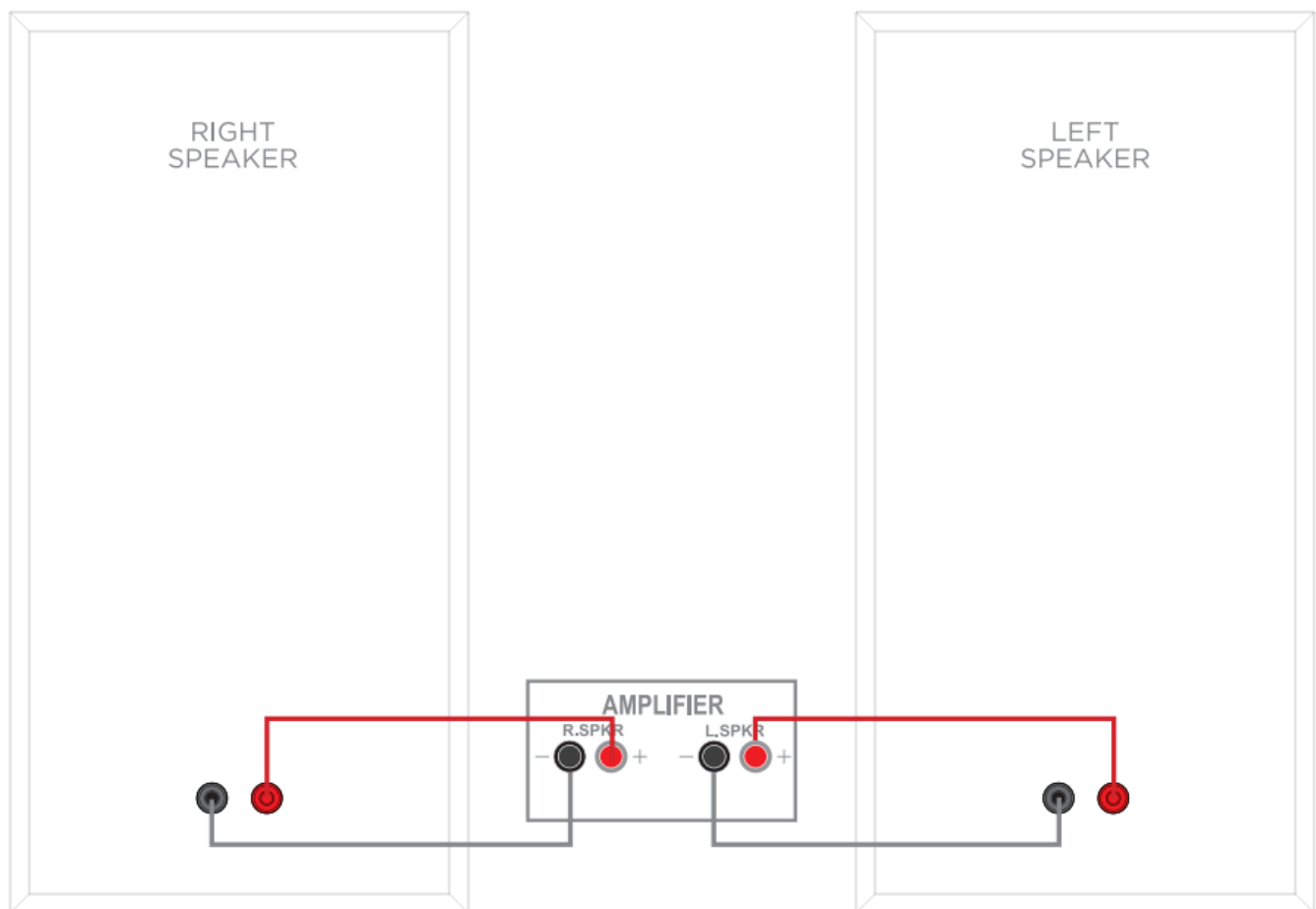
## Connecting The Loudspeakers

### Standard Connection

Choose a suitable length of twin core speaker cable for each channel and prepare the ends.

Unscrew each terminal a few turns. Connect the red, positive (+) terminal of the Left loudspeaker to the corresponding red, positive (+) amplifier terminal.

Connect the black, negative (-) terminals similarly. Tighten the terminal securely. Repeat this procedure for the Right Channel.



### Looking After Your Loudspeaker

These speakers are hand-finished with a varnish coating. As with all real wood furniture finishes; exposure to direct sunlight, heat, cold and varying humidity can affect the natural properties of the speaker cabinet. We advise protecting the speaker from extreme variances in temperature and environmental conditions.

We advise that you do not place anything on the surface of the cabinets, to protect from damage.

Treated with care, the veneer finish will last a lifetime. They will age naturally and subtly, retaining the properties of the beautiful high gloss wood finish.

Your Mission loudspeakers use a specially hardwearing sealed finish. They should not be waxed or treated with spray polishes which will smear and dim their lustrous finish. Polish them with a dry or barely moist cloth to remove dust and finger marks, etc.

Occasionally, remove the loudspeaker grilles and brush them gently with a soft brush before replacing them carefully.

Avoid getting any liquid behind the grille. If you accidentally spill liquid on your loudspeakers, take them to your dealer for attention before using them again.

### Warranty Coverage

Your loudspeakers have been constructed to the highest standards. From top grade furniture construction and finish to carefully designed and selected acoustic components, Mission speakers are built to provide a lifetime of sonic pleasure. We hope you will derive many years of good service from our products.

Mission warrants its products, subject to the following terms and conditions below, to be free from defects in materials and workmanship.

### Online Registration



<https://qrco.de/mission-warranty>

**Scan the QR code using a smart-phone device, for product warranty registration online.**

The three (3) year extended warranty is applicable to items purchased from Jan 1st 2021, onwards.

Items purchased prior to this date are not eligible for this extended warranty service but are subject to statutory warranty claims and all applicable consumer rights.

To qualify for the extended 3 year warranty, you must register your product within ninety (90) calendar days from the date of purchase.

Visit [mission.co.uk/warranty-registration](https://mission.co.uk/warranty-registration) to complete your online registration. Items not registered online will have a Limited Warranty for one (1) year, or for the period of your country's statutory warranty, whichever is longer. Warranty can only be offered to products registered with proof of purchase with date, model and details of the authorised dealer clearly stated on the receipt/invoice. Please keep the original receipt/invoice in case it is required for a warranty claim.

This Limited Warranty is non-transferable and is offered exclusively to the original owner.

This Limited Warranty is valid only in the original country of purchase.

Repairs or replacements are provided under this warranty are the exclusive remedy of the consumer. Mission shall not be liable for any incidental or consequential damages for breach of any expenses or implied warranty with any product. Except to the extent prohibited by law, this warranty is exclusive and in lieu of all other warranties whatsoever, both expressed and implied, including but not limited to the warrant of merchantability and fitness for practical purpose.

This warranty provides benefits that are additional to and do not affect your statutory consumer rights.

This Limited Warranty offer is subject to correct information being submitted in your application.

Incorrect dates or mismatched purchase receipt dates that are outside of the warranty terms will immediately invalidate any warranty claim.

\*Please check with your dealer local distributor for further information.

**Exclusions**

The following items are excluded from the Mission warranty:

Normal wear and tear and cosmetic damage (including but not limited to any wear from reasonable use, environmental deterioration or neglect)

Products on which the serial number has been removed, altered or otherwise made illegible.

Products not purchased from an authorised Mission dealer.

Products that were not new at the time of original purchase.

Products sold 'as is', 'as seen' or 'with faults'

Product not purchased from an Authorised Dealer/Distributor within the region of the claim (ie parallel imports or grey market products)

Accidental damage or faults caused by commercial use, acts of God, incorrect installation, incorrect connection, incorrect packaging, misuse or careless operation or handling which is not in accordance with the user instructions.

Equipment that has been operated in conjunction with unsuitable, inappropriate or faulty apparatus.

Repairs, alterations or modifications carried out by parties other than Mission or its authorised service partners.

Damage in transit that cannot be attributable to the fault of Mission, the authorised distributor or dealer (ie. claims otherwise covered by transit insurance.)

Faults relating to abnormal or inappropriate power supply voltage or power surges.

Faults relating to extremities in temperature, exposure to heat, water or other liquids, insects, excessive moisture, sand, chemicals, battery leakage or any other contaminants.

Any force majeure events, including but not limited to any acts of God, fire, lightning, typhoon, storm, earthquake, hurricane, natural disaster, tsunami, flood, war, riot, public disturbance.

Any other causes beyond the reasonable control of either Mission and its Authorised Distributor.

Please note items purchased before 1st Jan 2021 are not eligible for the extended warranty claim.

### **How to Claim**

To obtain warranty service please contact the authorised dealer from which you purchased this product and present the limited warranty certificate offered upon registration of your product's extended warranty offer.

Do not dispatch goods without the prior agreement of the dealer distributor or authorised service centre.

If asked to return products for inspection and or repair, please pack carefully preferably in the original carton or packaging affording an equal degree of protection and returned via insured, trackable courier service.

The authorised dealer or distributor will offer full return details and instructions. However, please note if unsuitable packaging is used the warranty may be deemed void due to improper action in return.

Mission or the authorised distributor, dealer or service centre may make a charge for the supply of new packaging for the return of the repaired item. Please note, insurance is recommended as goods are returned at the owner's risk. Authorised distributors or service centres cannot be held liable for loss or damage in transit. Insurance and freight charges on the return journey will be paid

for by Mission, authorised dealer, distributor or service centre if corrective work proves to be necessary.

In the event of 'no-fault found' or 'no repair necessary,' the return shipping charge will be the responsibility of the owner.

### **Repairs**

All repairs will be carried out by the appointed distributor (or locally appointed service centre).

Repairs handled or processed without authorisation or approval of the appointed representative will be excluded from this limited warranty. Please note, Mission is not able to supply parts or replacement items to any other entity than the official distributor or authorised service centre.

Other than the warranty and services set out in this warranty, to the fullest extent permitted by law, Mission shall not be liable to you and/or any third party or entity whatsoever for:

Any loss, damages and/or malfunction caused to any product(s) which is/are connected to any of the products covered by this warranty.

Any damages, loss and liability, whether direct, indirect, incidental, consequential special, punitive or otherwise, howsoever caused by, arising out of or otherwise, in relation to the installation, delivery, use, service, repair, replacement and/or maintenance of the product;

Any damages, loss and liability under this warranty in respect of any act, omission, or negligence of any of their technicians, employees, agents, representatives or independent contractors relating to the actual or purported performance of any of the obligations under this warranty.

### **Service Centre Address**

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 or the office below.

IAG Service Dept.

13/14 Glebe Road

Huntingdon

Cambridgeshire

PE29 7DL

UK

Tel: +44(0)1480 452561

Email: [service@mission.co.uk](mailto:service@mission.co.uk)

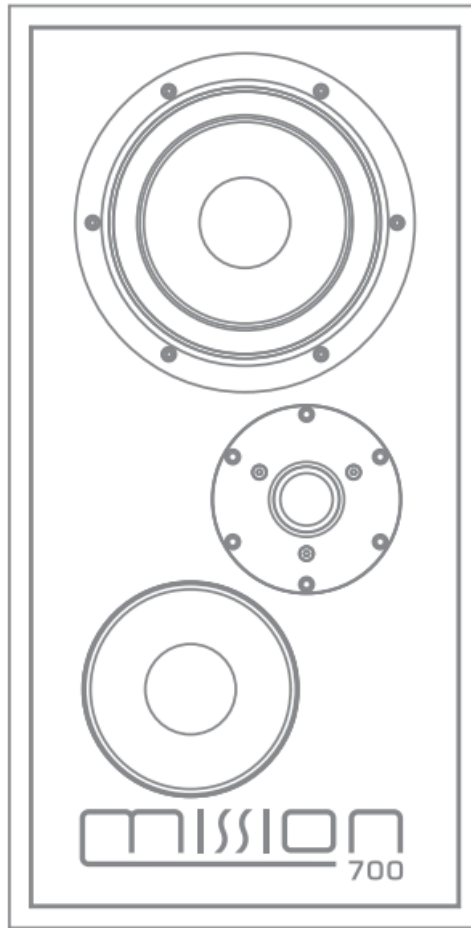
For information on other authorised service centres worldwide contact Mission International, UK.

A world wide distributors list is available on the Mission website: [www.mission.co.uk](http://www.mission.co.uk)

### **Specifications**

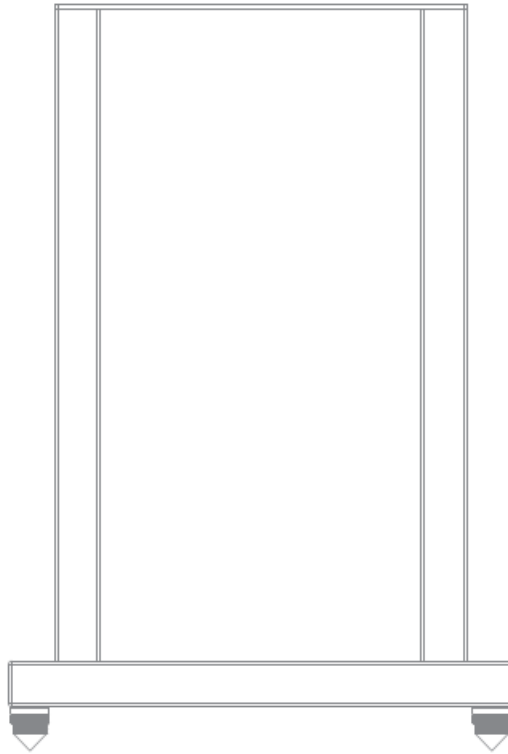
#### **Mission 700**

General Description	2-way vented-box / standmount
Enclosure Type	Bass reflex
Transducer Complement	2-way
Bass Driver	6.5" (165mm) mineral loaded polypropylene cone
Treble Driver	1.25" (28mm) soft dome
AV Shield	No
Sensitivity (2.83V @1m)	86dB
Recommended Amplifier Power	25-150W
Peak SPL	106dB
Nominal Impedance	8Ω
Minimum Impedance	5.2Ω
Frequency Response (+/-3dB)	45Hz ~ 20kHz
Bass Extension (-6dB)	38Hz
Crossover Frequency	3.0kHz
Cabinet Volume (in litres)	24.8L
Dimensions (mm) Height (on plinth)	510mm
Width	260mm
Depth (with terminals)	(270+22)mm
Carton Size	680 x 410 x 630mm
Net Weight	12.8kg/pcs



### Mission 700 Stand

Columns	High carbon steel with internal damping
Top Plate	High carbon steel
Base Frame	Interlocked high carbon steel tube
Base Spikes	Hardened stainless steel
Dimensions (mm) Height (on spikes)	490mm
Width	320mm
Depth	330mm
Top Plate (W x D)	360 x 270mm
Carton Size	740 x 410 x 130mm
Net Weight	6.5kg/pcs
Gross Weight	14.6kg/ctn



Correct Disposal of this product. This marking indicates that this product should not be disposed of with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

IAG House, 13/14 Glebe Road, Huntingdon, Cambridgeshire, PE29 7DL, UK

Tel: +44(0)1480 452561

Email: [service@mission.co.uk](mailto:service@mission.co.uk)

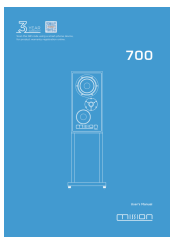
[www.mission.co.uk](http://www.mission.co.uk)

IAG reserves the right to alter the design and specifications without notice.

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Mission is a member of the International Audio Group.

## Documents / Resources



[mission 700 Bookshelf Speaker](#) [pdf] User Manual  
700 Bookshelf Speaker, 700, 700 Speaker, Bookshelf Speaker, Speaker

## References

-  [Mission – Music leads, Technology Follows](#)
-  [Warranty Registration – Mission](#)

-  [Mission – Music leads, Technology Follows](#)