



PREMIERE™

Owners' Manual

M O R D A U N T - S H O R T™

This Premiere Home Theatre multi-channel loudspeaker system is the result of an extensive Research and Development programme undertaken to provide you with surprisingly full and accurate performance from such small enclosures.

With attention to detail second to none, these loudspeakers not only guarantee outstanding enjoyment but their elegant, clean lines also allow them to integrate easily into your home.

Please read and retain this manual, it contains useful information that will ensure you get the very best from your new loudspeakers.

Note:  
Model MS308 is supplied in two mains voltage ratings. Please refer to product rear panel

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# Safety Precautions

For safety reasons please read the following instructions and the enclosed Important Safety Information carefully before attempting to connect your subwoofer unit to the mains.

## Warning

To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

## Caution

Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.



## Caution

To reduce the risk of electric shock, do not remove cover (or back). There are no user-serviceable parts inside. Please refer all servicing to a qualified engineer.

The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This product complies with European Low Voltage (73/23/EEC) and Electromagnetic Compatibility (89/336/EEC) Directives when used according to this instruction manual.

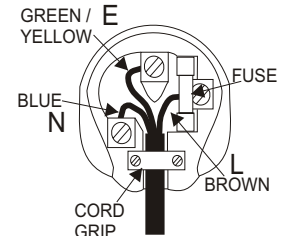


The 110V version of the MS308 complies to the requirement ANSI/UL STD.1492, is certified to CAN/CSA STD.C22.2 NO.1 and is approved by ETL for sale in the USA and Canada

## Plug Fitting Instructions (UK only)

The cord supplied with this appliance is factory fitted with a 13A mains plug fitted with a 3A fuse inside. If it is necessary to change the fuse, it is important that a 3A one is used. If the plug needs to be changed because it is not suitable for your socket, or becomes damaged, it should be cut off and an appropriate plug fitted following the wiring instructions below. The plug must then be disposed of safely, as insertion into a 13A socket is likely to cause an electrical hazard. Should it be necessary to fit a 3-pin BS mains plug to the power cord the wires should be fitted as shown in this diagram. The colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug. Connect them as follows:-

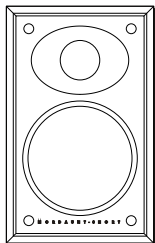
- The wire which is coloured BLUE must be connected to the terminal which is marked with the letter 'N' or coloured BLACK.
- The wire which is coloured BROWN must be connected to the terminal which is marked with the letter 'L' or coloured RED.
- The wire which is coloured GREEN/YELLOW must be connected to the terminal which is marked with the letter 'E' or coloured GREEN.



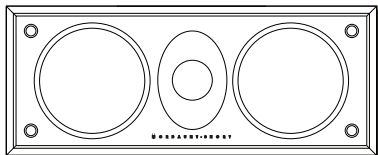
## Note

If a 13 Amp (BS 1363) type of plug is used a 3 Amp or 5 Amp fuse must be fitted, either in the plug or adaptor, or on the distribution board.

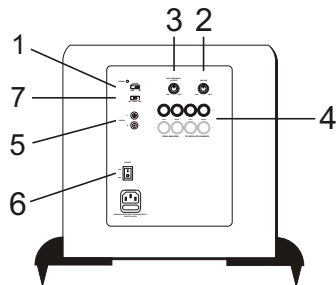
# Components in your System



**MS302**  
**Front Left and Right and**  
**Rear Left and Right**  
**Loudspeakers**



**MS304**  
**Centre**  
**Channel**  
**Loudspeaker**



**MS308**  
**Subwoofer**

## Subwoofer Controls

### 1. Phase

Selects subwoofer output to be either in or out of phase (180 degrees). This allows you to optimise the phase of your MS308 to different listening positions and that of other speaker systems used at the same time.

### 2. Volume

This control allows you to adjust the volume of low frequency output from your subwoofer amplifier to obtain the best sound-balance within your surroundings

### 3. Low Frequency Cut-Off

This is used to adjust the point at which the crossover will separate the low frequencies being used by the subwoofer from the higher frequencies played by the rest of the system. Raising the Low Frequency Cut-Off will increase the frequency range that the MS308 will reproduce. Lowering the Low Frequency Cut-Off will limit the range of frequencies reproduced.

### 4. High Level Input / High Level Output

If your amplification system does not have a dedicated subwoofer line output, your subwoofer must be connected via the high level terminals on the rear panel. Connection should be made from the speaker terminals on your amplification system to the High Level Input Connections

# Subwoofer Controls

(taking care to observe polarity). A second set of cables may then be run from the High Level Output connections to your front left and right loudspeakers (see Fig. 1 below).

## 5. Line Input

If your amplification system has a dedicated subwoofer line output it should be connected here (see fig 2. below).

## 6. Power

Switches the subwoofer (amplifier) power on or off.

**Note:** This vacation switch is used to disconnect power from the product during long periods of non-use

## 7. Auto/On

If switched to auto, the subwoofer will remain in standby mode until a signal is detected at the input. The unit will then automatically switch itself on. It will then automatically return to standby mode if no input signal is present for approximately 5 minutes. With the switch in the 'ON' position the unit remains permanently on as long as the main power switch is on. The LED positioned on the rear panel indicates whether the unit is on or in standby mode (red for standby and green when on). The blue front panel LED indicates the unit is on and working.

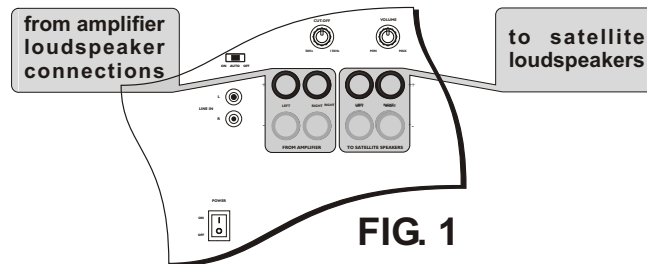


FIG. 1

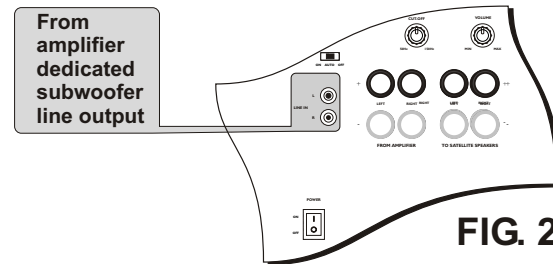


FIG. 2

**To prevent damage to the amplifier, only connect using high-level inputs OR line level inputs:  
DO NOT USE BOTH METHODS OF CONNECTION AT THE SAME TIME**

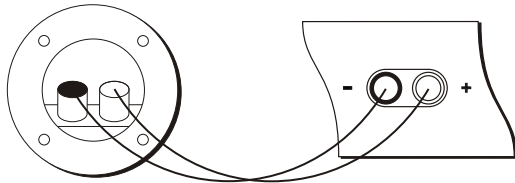
# Getting Started

## Connecting your Loudspeakers

Do not compromise the performance of your system by using inferior quality cables! Mordaunt-Short recommends that high quality cables of 16 gauge or higher be used. Your professional dealer will give you good advice.

Observing polarity is of the utmost importance while connecting your loudspeakers. Ensure that the red (+) terminals on your amplification system are connected to the red (+) on the speaker, and black (-) on your amplification system to black (-) on your speakers.

If your speakers are wired incorrectly they will be out of phase and sound hollow and indistinct, with a weak bass. Re-check your connections for correct polarity and reverse the connections if necessary.

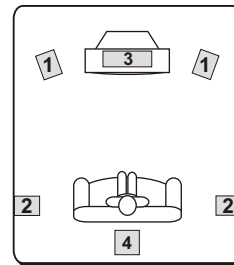


## Important note

Always unplug all A.C. powered components before making any loudspeaker or component connections. This will avoid the risk of electric shock or damage to your equipment.

## Positioning your Loudspeakers

Properly placed, your Mordaunt-Short Premiere loudspeaker system will provide an excellent, wholly satisfying sound. However, with each room varying in size, dimension and layout, it will be necessary to experiment with the placement of your loudspeakers in order to gain optimum performance. Atypical set-up is shown below.



**1. MS302 Front**

**2. MS302 Rear**

**3. MS304 Centre**

**4. MS308 Subwoofer**

## ***MS302 Front Left and Right Loudspeakers***

Your MS302 front left and right speakers should be placed equidistant to the left and right of your screen far enough apart to ensure good stereo imaging. If they are too far apart or too close to the corners of the room they will sound distracting and distant. It may be desirable to experiment with the 'toe-in' of the units (angling them towards the listening position) to optimize the front speaker soundstage and imaging.

## ***MS302 Rear Left and Right Loudspeakers***

Your MS302 rear left and right speakers should be situated roughly at listening height and facing into the listening position. It is suggested that they are wall mounted or alternatively placed on suitable speaker stands.

## ***MS304 Centre channel Loudspeaker***

Your MS304 centre channel speaker needs to be positioned directly above or below your screen, facing the listening position.

## **Note**

Your MS302 loudspeakers come with mounting holes to fit Omnimount 25 Series wall mountable speaker brackets. Details are available at [www.omnimount.com](http://www.omnimount.com). Mordaunt-Short brackets are also available, contact your dealer or [www.mordaunt-short.co.uk](http://www.mordaunt-short.co.uk) for more information.

## ***MS308 Subwoofer***

The positioning of your MS308 subwoofer will affect the quantity and also quality of the lower frequencies of the system. Locating the subwoofer near a wall will increase the bass response of the speaker. If it is placed too near to a corner however, the overall effect may be too 'boomy'. Due to the low frequency nodal characteristics of the room, the response will change as it is placed a little closer, or further away from the listening position. Adjusting the rear panel controls (as explained in previous sections) will also affect the sound, so the answer is to experiment and find the position and settings that provide a good balance between low frequency amount and definition across a range of source material.

# Getting Started

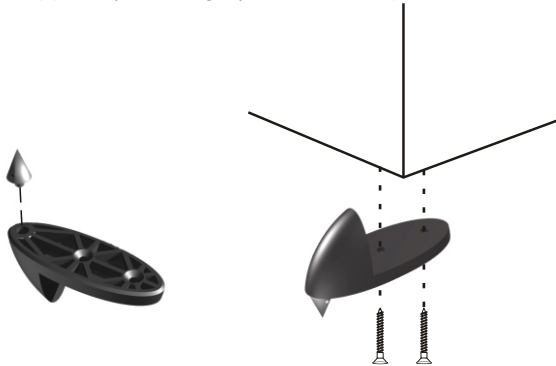
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## **Attaching feet to your subwoofer**

Your MS308 subwoofer comes with feet and spikes which must be fitted to space the down-firing speaker unit the correct distance from the floor for optimum operation

The spikes attach to the bottom of the feet (as shown below left).

There are eight pilot holes on the bottom of the speakers. The feet are located and secured here with the wood screws supplied (below right). Level as required.



## **Final System Setup**

Once all wiring connections are complete and you have positioned your Premiere loudspeakers, turn on your amplification system and run the relevant Level Calibration Sequence to establish the correct individual volume level for each speaker channel.

Finally, play some test material and make final adjustments to the Active Sub Frequency Cut-Off point that allows the best overall integration within the system, sounding neither too boomy, or overly thin. After this step, It may be necessary to run the Level calibration again to make final level checks.

## **Running In**

Your new loudspeaker system will require approximately 10 hours of normal use to allow the components to settle into their working routine and reach their optimum performance.



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# ***Taking care of your loudspeakers***

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By far the most common cause of loudspeaker failure, and one that is understandably not covered by guarantee, is damage to the voice coils caused by amplifier overload. This is generally due to the common belief that if a speaker is rated at more than the amplifier's output rating, there is no chance of blowing that speaker.....

This is not the case!

A relatively small amplifier (i.e. 20 watts) can damage speakers like these by "clipping" the signal, a symptom identified by lack of detail in music and distortion. If this occurs **TURN IT DOWN!** If you don't want to blow up your speakers but want louder sound, please purchase a more powerful amplifier.

## ***Cabinet Care***

Cabinets should be dusted and lightly polished as required. Do not use solvent based cleaners, as they may damage the cabinet surface. Do not expose the cabinets to strong, direct sunlight, high temperatures, high humidity or allow them to become wet.

# Technical Specifications

	<b>MS302</b>	<b>MS304</b>	<b>MS308</b>
<b>Frequency Response</b>	100Hz-20kHz	100Hz-20kHz	35Hz-150Hz
<b>Sensitivity</b>	86dB (1 Watt input)	86dB (1 Watt input)	Line in, 240mV (for max output) Hi Level in, 2.8V (for max output)
<b>Impedance (nominal)</b>	4 Ohms	4 Ohms	N/A
<b>Output Power</b>	15-80W	15-80W	80 Watts
<b>Mains Voltage</b>	N/A	N/A	220 - 240 Volts 50 - 60 Hz or 110 - 120 Volts 50 - 60Hz USA/Canada only
<b>Power Consumption</b>	N/A	N/A	250 Watts
<b>Drivers</b>	(1) 3.5" mid/bass (1) 1" tweeter	(2) 3.5" mid/bass (1) 1" tweeter	8" Long throw woofer
<b>Crossover Type</b>	Second Order	Second Order	Continuous/Active
<b>OmniMount™ Type</b>	25 RST/RWX	25 RST/RWX	N/A
<b>Size (H x W x D) mm</b>	180 x 112 x 130	180 x 278 x 130	305 x 305 x 305
<b>Size (H x W x D) Inches</b>	7.1 x 4.4 x 5.1	7.1 x 10.9 x 5.1	12 x 12 x 12
<b>Weight</b>	2 kg / 4.4 Lbs	3 kg / 6.6 Lbs	9.4 kg / 20.7 Lbs

Mordaunt-Short's policy is one of continuous improvement. Design and specifications are therefore subject to change without prior notice.

Mordaunt-Short warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below). For a period of five (5) years from the date of purchase, Mordaunt-Short will repair or replace (at Mordaunt-Short's option) this product or any defective parts (excluding electronics and amplifiers) in this product. For products that have electronics or amplifiers, the Warranty on those parts is for a period of two (2) years from the date of purchase.

To obtain warranty service, please contact your Mordaunt-Short authorised dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your Mordaunt-Short product, it can be returned by your dealer to Mordaunt-Short or an authorised Mordaunt-Short dealer. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory-applied serial number has been altered or removed from this product or (b) this product was not purchased from a Mordaunt-Short authorised dealer. You may call Mordaunt-Short or Marantz America Inc. (in USA only) to confirm that you have an unaltered serial number and/or you purchased from a Mordaunt-Short authorised dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than Mordaunt-Short or a Mordaunt-Short dealer, which is authorised to do Mordaunt-Short warranty work. Any unauthorised repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

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Some US states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other statutory rights, which vary from state to state or country to country.

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