

M33 Active Loudspeaker installation and user guide

Introduction

In choosing a Meridian M33 Active Loudspeaker, you have acquired refined equipment which will bring you listening pleasure for many years. Whether as part of a stereo system or a full home theatre, the speaker is designed to bring you the highest quality sound possible. Meridian Active Loudspeakers combine excellent acoustic and drive unit technology, multiple built-in power amplifiers and, high-precision audiophile active crossover networks. Active speakers give a completeness of loudspeaker system matching and integration, and an ability to use higher quality filtering, which is not possible in passive designs.

M33 is the latest in a long line of Meridian *actives* which combine superb imaging with incredible bass for their size. The M33 is built in a precision aluminium cabinet. The rigidity of this material, combined with built-in structural elements gives incredibly low levels of cabinet resonance. These are further reduced by additional damping. This results in a cabinet of exceptionally low colouration, giving the loudspeaker amazing mid-range transparency.

The bass drive units are two parallel 5" woofers with carbon fibre cones. They have very large magnets which provide excellent drive and control. Combined with the Meridian active bass

extension technology, they provide surprisingly rich, deep bass, quite unprecedented for this size of cabinet. The tweeter is a very high quality 2.5cm fabric dome with a neodymium magnet and a protective grille. It is extremely well matched to the woofer and tonally very compatible with all other speakers in the Meridian range.

The active crossover precisely splits the frequency band using only high-grade small-signal audiophile components. The incredible bass extension is achieved by *Meridian active bass alignment* which defies the natural roll off of the compact cabinet design without reducing efficiency. The signals are then phase corrected to provide precise imaging over a wide listening area, whether the speaker is used in vertical or centre-channel format.

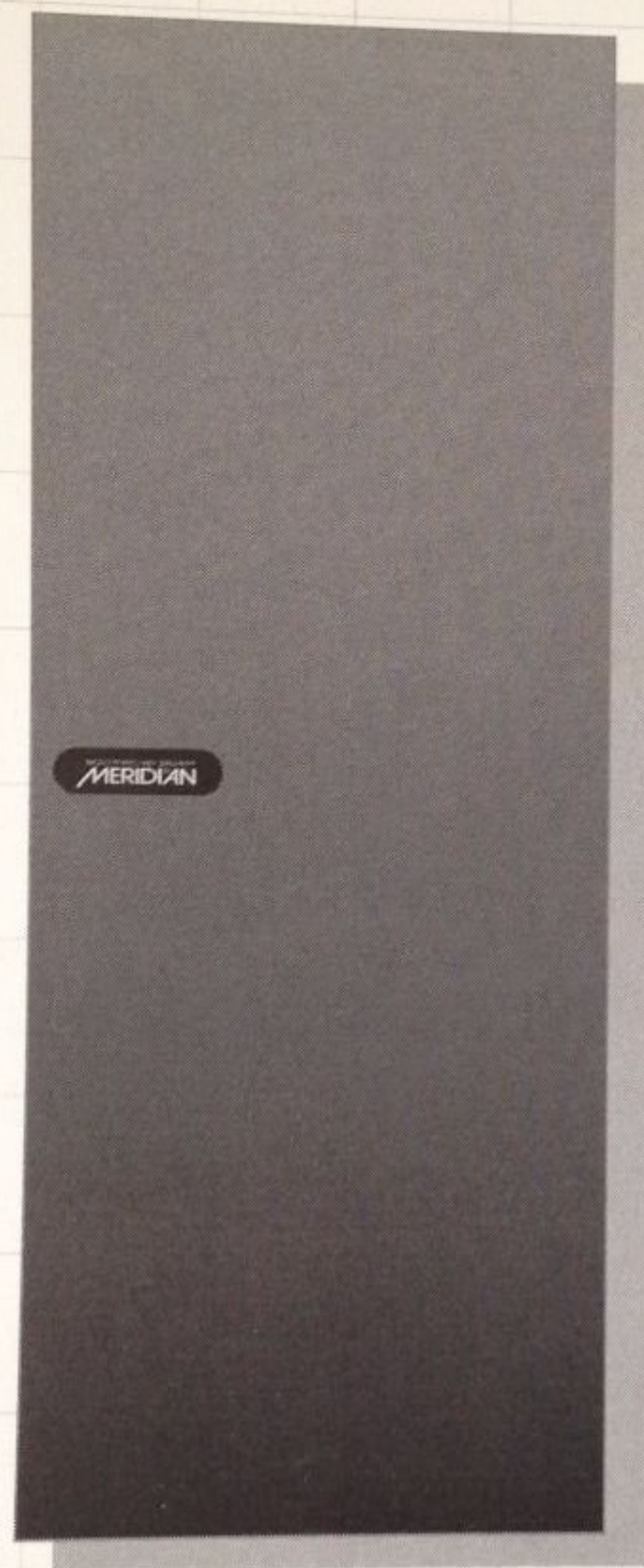
The speakers are driven by two high-power low-feedback power amplifiers. The combination of idealised magnetic design, careful star earthing and very fast output devices give the amplifiers extremely low noise, high detail and fast bass. The whole electronic assembly is supplied from a substantial torroidal transformer feeding high-quality audiophile grade capacitors.

The M33C is specially designed to be used horizontally-mounted as a centre channel and uses fully shielded drive units. It may be used with the optional plinth which provides secure support and can tilt the axis towards the listening whether sited above or below the screen.

M33

Active loudspeaker system

BOOTHROYD STUART
MERIDIAN



150 mm (5.91")



220 mm (8.66")

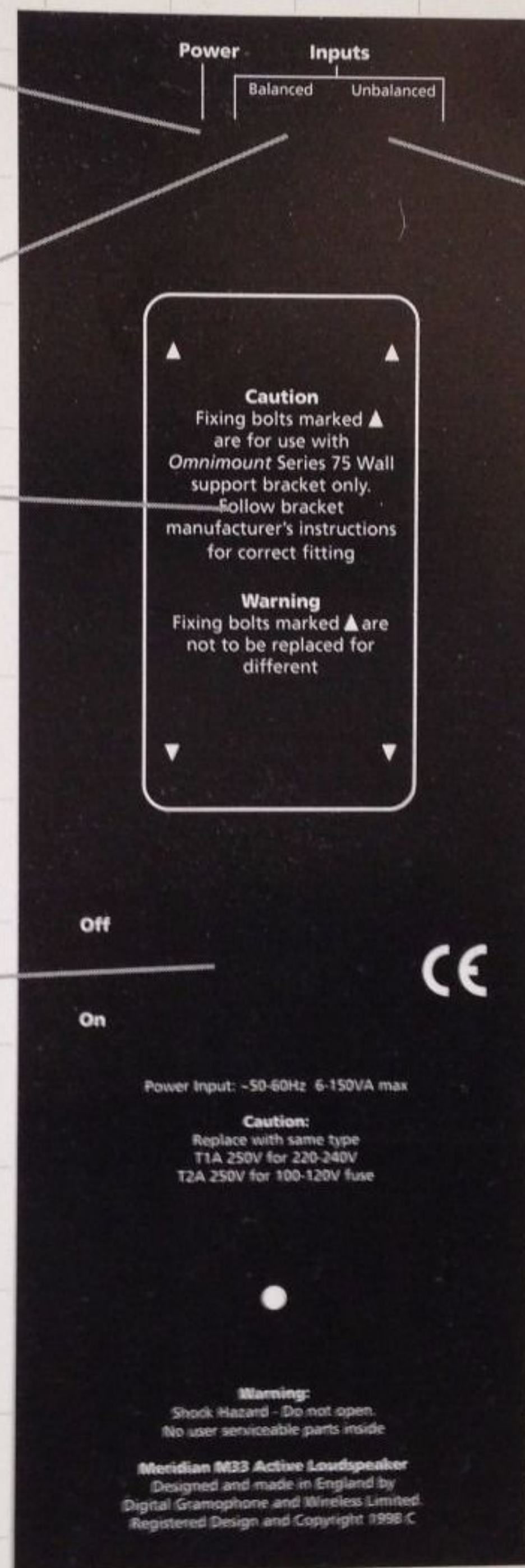
380 mm (14.96")

Power indicator

Balanced Input (XLR) Socket

4 x *Omnimount* fixings

Power Inlet and Fuse holder
(replace with same type)



Meridian M33 Specification

Audio Inputs

Unbalanced	1V, phono
Balanced	2V, XLR

Drive Units

Woofers	2 x 5" carbon fibre custom drivers
Tweeter	1 x 25mm fabric dome neodymium magnet, with protective grille
Crossover	modified LR4@2.3kHz
Power	100-125V; 200-230V; 210-250V AC 50-60Hz. 6VA idle; 200VA max

Amplifiers

Treble	50W RMS max
Bass	85W RMS max
Acoustic Output	105dB spl @ 1m, pink noise
Frequency Response	in room response within 3dB, 55Hz-20kHz
Distortion	<0.004%, typically less than 0.1% up to full power at all frequencies
Noise	< -100dB
Weight	9.5 kg (21lbs) each

Maintenance

The cabinet of the M33 is painted and may be wiped clean with a damp cloth. *Do not use any solvent based cleaners as these can damage the surface*

There are no user serviceable parts inside the M33.

The audio sockets are gold plated and, where gold plated plugs are used, there should be no need to clean the contacts. Other plugs should be unplugged and replugged once a year. Some proprietary contact cleaners may be used to advantage, but you should seek the advice of your dealer.

Service

The Meridian M33 has been carefully designed to give years of untroubled service. In the unlikely event that your M33 fails to function correctly, it should be returned, in its original packing, to your Meridian dealer. In case of difficulty, please contact the addresses alongside

Outside the UK, contact the importing agent for the territory. A list of Meridian agents abroad is available from the above addresses. No responsibility can be accepted for the M33 while it is in transit to the factory or an agent, and customers are therefore advised to insure the unit

Guarantee See form attached to outside carton

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manufactured by

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