

On-Wall Installation Speakers

Compact Meridian active and passive loudspeaker systems for on-wall mounting applications



P320w on-wall loudspeaker with and without grille (wood finish)

For years, Meridian loudspeakers have been regarded as offering the highest performance available – the result of careful design, the highest-quality drivers and components, transparent crossovers and rigid, low-coloration enclosures in both Active and Digital Active designs.

Now we have paid the same level of attention to the design of loudspeakers for installation purposes, including in-wall, flush-mount and on-wall configurations. These offer full Meridian performance for systems where the use of floor-standing models is impossible or inappropriate.

The 200 Series in-ceiling design and the 300 Series of wall-mounting systems allow exceptional flexibility of configuration.

The 300 Series consists of three ultra-slimline systems for in-wall (surface grille), on-wall and flush-mount (completely hidden, eg behind wall coverings) applications, featuring 6.5in (165mm) metal-cone bass drivers, and a wide-dispersion horn-loaded ribbon tweeter for superb performance anywhere. Passive units feature built-in crossovers with bi-wire/bi-amp terminals, while Remote Active units

are bi-amped with the G41 Powered Crossover/Amplifier.

The 320 includes a single bass driver and tweeter; the 330 adds an 8in (200mm) Auxiliary Bass Radiator (ABR); and the 350 features two bass drivers and two ABRs. A companion subwoofer is also available.

Rigid enclosures minimise wall and cavity excitation so you hear the speakers, and not wall resonances. A white fabric-covered low-resonance grille is included and the units feature a slim wood- or painted/paintable-finish cabinet. Simple and convenient mounting hardware is provided.

In every case, Meridian installation loudspeakers deliver the performance of a stand-alone design in a discreet enclosure with minimal visual impact – and awesome power.

This document describes the 300 Series active and passive on-wall speakers to be driven by external amplification; in-wall and flush-mount active and passive configurations are also available and are detailed separately: contact Meridian for details.

On-wall loudspeakers with true Meridian performance

Passive or Remote Active drive

Excellent, well-defined bass and clear, open mid-range

Accurate rendering of instruments and voice

High SPL with fast transient response

Rigid enclosures minimise wall and cavity resonances

Stable imaging with excellent depth

Wide dispersion for an excellent sound throughout the room

Excellent clarity for movie dialogue

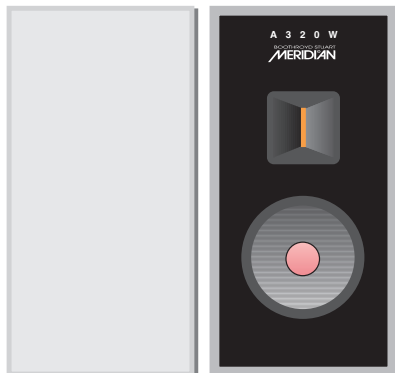
Wood or painted finish

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Passive & Remote Active On-wall Systems

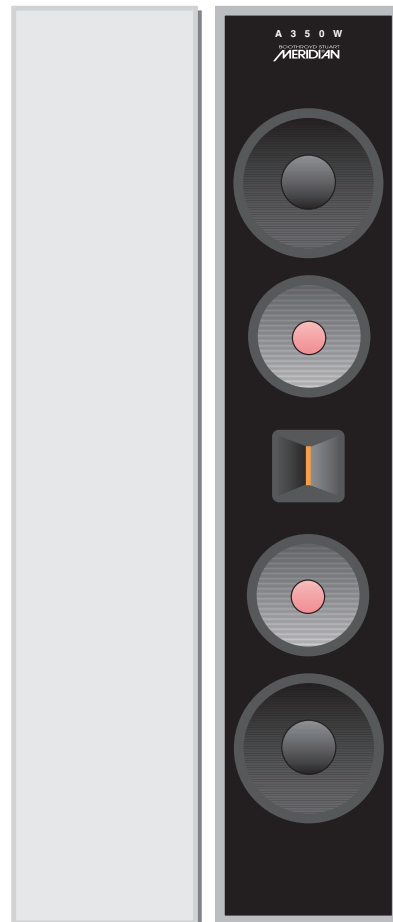
A320w/P320w



A330w/P330w



A350w/P350w



The 300 Series

The **300 Series** consists of three sizes of ultra-slimline wall speakers, each offered in three mounting formats:

In-wall (surface grille) ("i" suffix);

Flush-mount (completely hidden, eg behind wall coverings) ("f" suffix); and

On-wall applications ("w" suffix) (covered in this document)

The 320 model only may also be ceiling-mounted.

Each unit features 6.5in (165mm) bass drivers, and a wide-dispersion ribbon tweeter for superb performance anywhere. Passive units incorporate a built-in crossover; Remote Active units include a G41 crossover module.

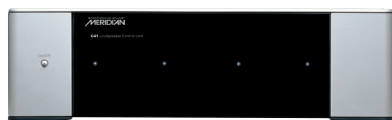
A white cloth-covered grille is included with the on-wall products.

The **320** includes a single bass driver and tweeter; the **330** adds an 8in (200mm) Auxiliary Bass Radiator (ABR); and the **350** features two bass drivers and two ABRs. All three models are available for passive ('P' prefix) and active ('A' prefix) operation and for in-wall, flush-mount or on-wall installation. See opposite for on-wall system dimensions.

The 300 Series includes a companion subwoofer, and 300 Series units can also be used in conjunction with the 200 Series in-ceiling units.

Drive options

Remote Active: G41 Powered Crossover/Amplifier



The G41 provides eight channels of 100W (8Ω) / 180W (4Ω) amplification driven in HF/LF pairs by four channels of modular active crossover, configured via cards supplied with each active loudspeaker. Line level balanced and unbalanced inputs are provided. The fourth channel pair can be reconfigured to provide two full-range channels with unbalanced inputs. *Details overleaf.*

Passive: Meridian Power Amplifiers

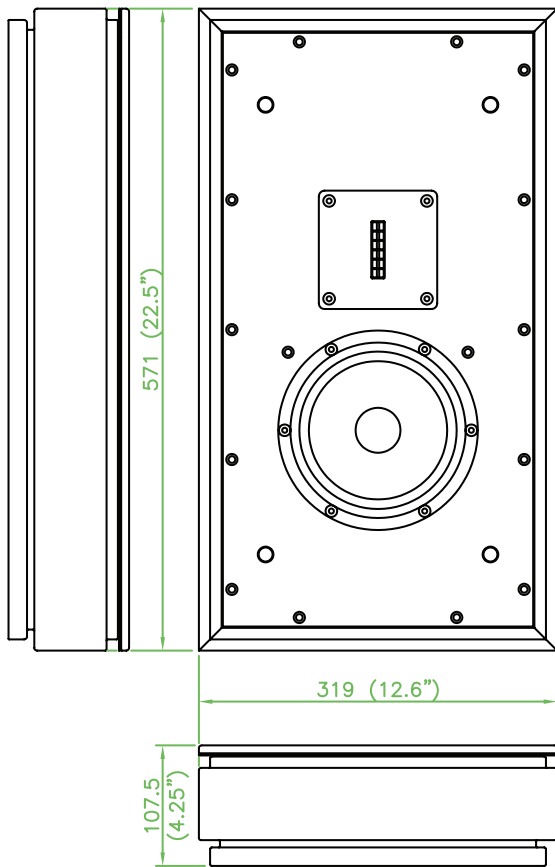


Passive systems can be driven from any suitable amplifier or receiver, such as the Meridian **G55** or **G57**. The P320 and P330 (nominal 8Ω) are suitable for amplifiers between 100 and 200W (150W recommended), while the P350 (4Ω) can be used with amplifiers delivering up to 300W.

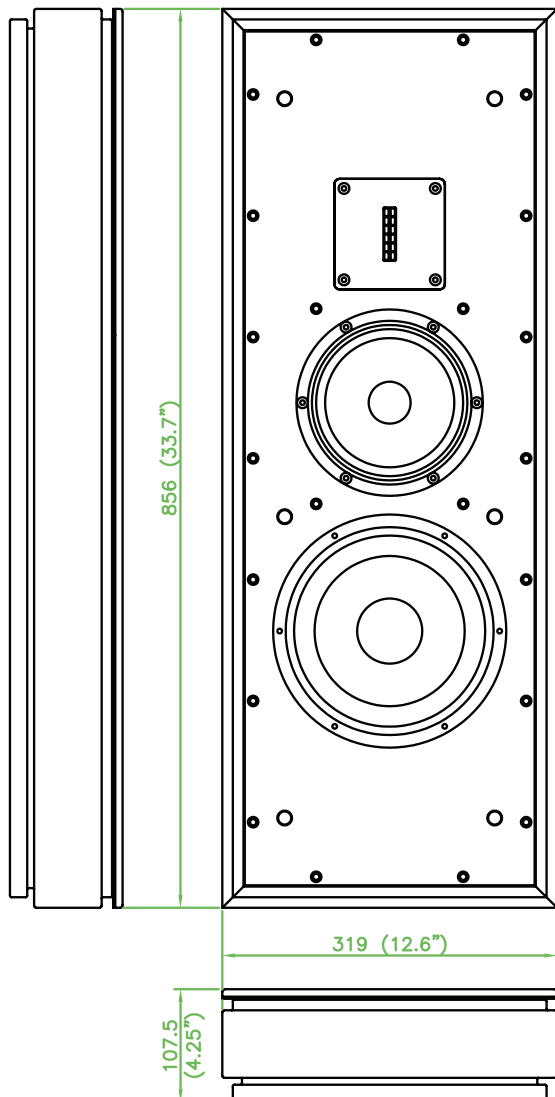
Illustrations are not to scale.

Passive & Remote Active On-wall Systems

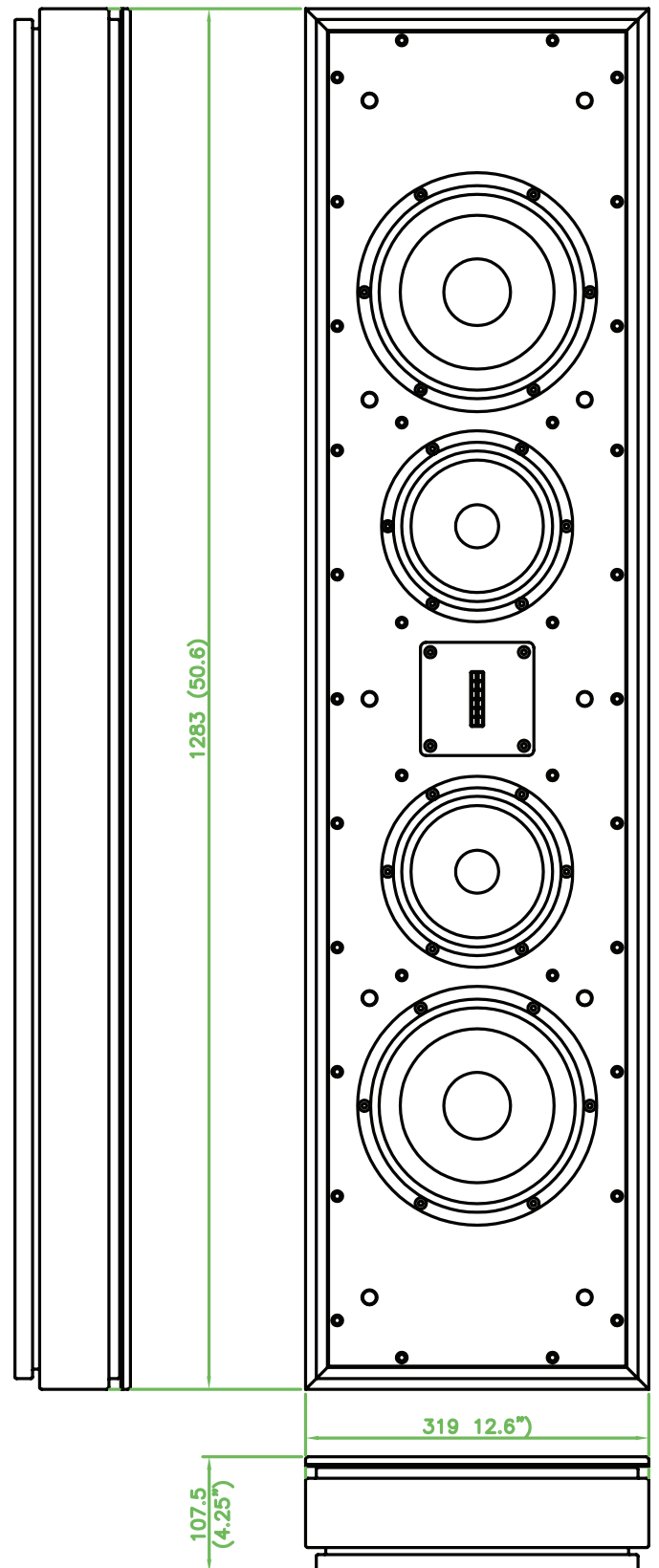
Dimensions in mm (inches)



320w
330w



350w



On-Wall Systems

Outline Specifications

Passive Systems

Type numbers include "P" prefix and include built-in high-order crossover with Audiophile-grade components including Meridian-specified Supersound capacitors, air-cored inductors and Van den Hul internal wiring throughout.

Active Systems

Type numbers include "A" prefix and are supplied with G41 crossover card. Van den Hul internal wiring throughout. G41 cards feature premium quality Burr-Brown operational amplifiers and four-layer printed circuit boards.

320w

System	2-way on-wall/ceiling* unit.
Bass driver	6.5in/165mm metal-coned driver
Tweeter	Wide-dispersion ribbon device
Impedance	Nominal 8Ω
Power handling	Suitable for 100–200W amplifiers (P320w) or G41 (A320w)

330w

System	2-way on-wall unit with Auxiliary Bass Radiator (ABR)
Bass driver	6.5in/165mm metal-coned driver
Tweeter	Wide-dispersion ribbon device
ABR	8in/200mm Auxiliary Bass Radiator
Impedance	Nominal 8Ω
Power handling	Suitable for 100–200W amplifiers (P330w) or G41 (A330w)

350w

System	2-way in-wall unit with dual bass drivers and ABRs
Bass drivers	2 x 6.5in/165mm metal-coned drivers
Tweeter	Wide-dispersion ribbon device
ABRs	2 x 8in/200mm Auxiliary Bass Radiators
Impedance	Nominal 4Ω
Power handling	Suitable for 100–300W amplifiers (P350w) or G41 (A350w)

*The 320 units may optionally be ceiling-mounted; the 330 and 350 are not suitable for in-ceiling use.

200 Series in-ceiling speakers may be used to build a complete system.

A companion subwoofer is also available. See separate sheet.

G41 Powered Crossover/Amplifier

The G41 powers 200 and 300 Series installation loudspeakers in Remote Active mode. It features active crossovers, switched balanced and unbalanced inputs, and employs the same low-feedback topology as Meridian's G55/56/57 amplifiers, which was developed from that used in the flagship DSP8000K.

Eight channels of approximately 100W/8Ω (180W/4Ω) RMS amplification are provided, grouped into four pairs, each providing bass and tweeter outputs from a full-range input.

The fourth channel pair can also be configured as two full-range amplifiers for driving a pair of passive loudspeakers, eg for surrounds. To do this, the right-hand modular crossover card is removed and replaced by one providing additional full-range unbalanced inputs.

Replacement labels identify the reconfigured output terminals (see rear panel illustration below).

The crossover modules take the form of cards which can be inserted at the time of installation to configure the unit for

the speakers in use, and an appropriate card is supplied with each loudspeaker. Modules are available for the 320, 330 and 350, and each module includes a pair of LEDs that confirm the positive and negative power-rails are operative and identifies the crossover installed by means of the colour combination. 200 Series units can use the crossover or can be driven in passive configuration with the fourth amplifier pair configured for two channels of full-range operation.

Thermal, short-circuit and DC fault protection circuitry is included. The G41 has soft start, fan output and trigger input.

A unique feature of the G41 is a cable-length compensation switch. The amplifiers have a negative impedance to cancel out cable effects. This dramatically improves performance, tightening the bass response and giving significantly improved control and punch. Two switch-selectable settings are provided, one for cables under 10m and the other for cables over 10m in length. A separate rear-panel switch is provided for each pair of channels.

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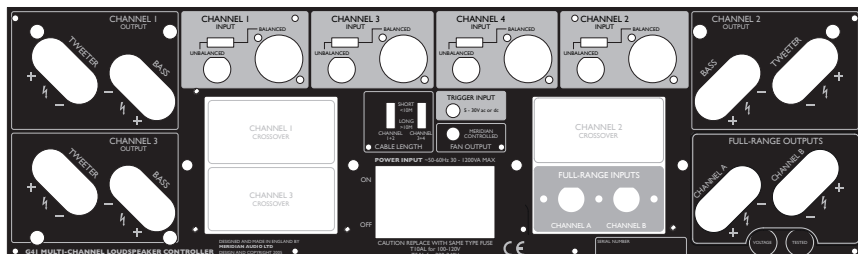
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*This is a preliminary document and is subject to significant change without notice.
Meridian retains the right to improve or modify product specifications and design at any time. E&OE.*

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