

AMR650

Active Multi-Room Speakers

Opus breaks new ground in the multi-room entertainment market, with the revolutionary AMR650 A-BUS Active Speaker System. Consisting of a matched pair of high-quality ceiling speakers which are optimised for custom installation and in-ceiling applications, the AMR650 features a wide-angle infra red eye mounted on the 'active' speaker which has all the amplifier electronics actually mounted on its back. This allows full access to volume, tone settings, and source selection controls by using the system or learning remote control. This eliminates the need for a wall control keypad and therefore makes an Octopus Multi-Room Entertainment System even easier to install, particularly in a 'retro-fit' situation.

When settings are being adjusted, small confirmation beeps are issued so the user knows that adjustments are being made. The active speaker contains a built-in stereo power amplifier which drives both itself and its passive twin. A pre-amp output is even included for connection to an active sub-woofer or separately powered pair of speakers if desired.

The AMR650 A-BUS® active speaker is connected to the Octopus Master Control Unit using Cat5e UTP or CAT6 cable, providing source signals, IR pass-through, switching commands and power for the amplifier. The passive speaker is connected to its active twin via either loudspeaker cable or another Cat5e UTP or CAT6.

Features and Benefits

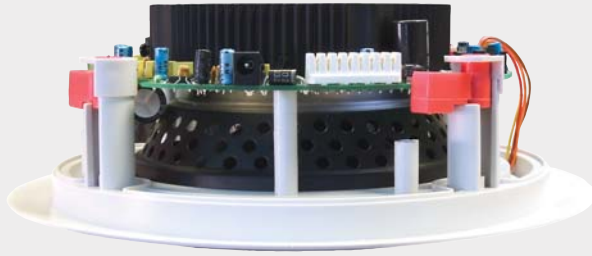
- Optimised drive units for ceiling-mounted applications
- In-built stereo power amplifier
- Simple connection with just one run of cat5e cable to the MCU
- Telltale beeps and blinking red LED when control input is applied
- Only 80mm ceiling depth required
- 2 way design, 165mm diameter driver unit with 13mm coaxial tweeter.
- Supplied with cutting template
- Paintable front for optimal décor matching
- One active, one passive speaker per pair
- Wide-angle infra red receiving eye



TECHNICAL CLOSE UP

AMR650-A and AMR650-P are sold as pairs only

AMR650-A



Active side profile

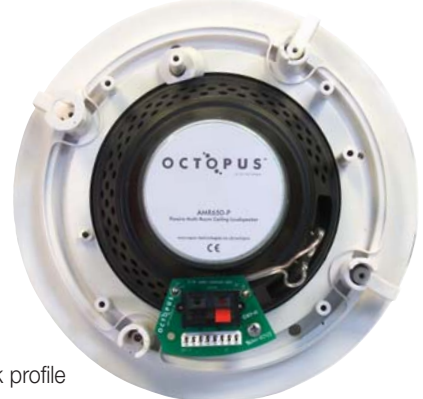


Active back profile

AMR650-P



Passive side profile

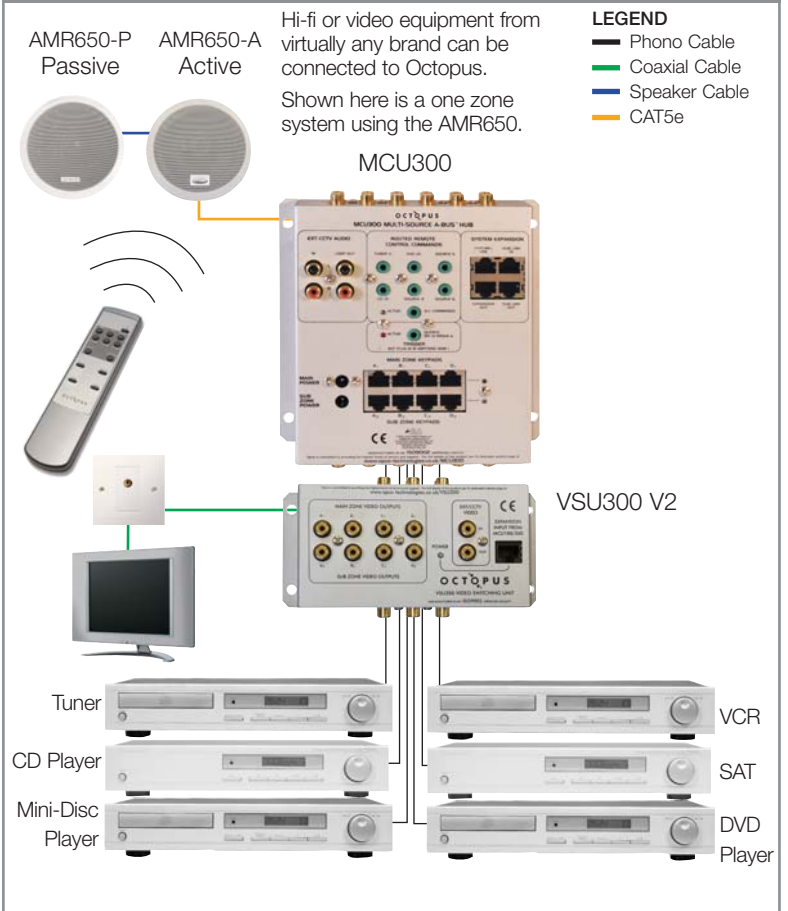


Passive back profile

SPECIFICATIONS

Frequency response	60Hz - 20kHz +/- 2dB
Enclosure type	In-ceiling infinite baffle
Flush mounted to ceiling	
Drive Components	Two-Way System
One 13mm tweeter	
One 142mm woofer	
Overall front panel diameter	238mm diameter 10mm deep
Mounting Depth Required (Min)	80mm
Cutout Diameter	207mm
Recommended back air volume	22 litres
Carton Volume	0.019m ³
Volume range	0 to -78 dB in 31 steps
Bass range	+/- 14 dB @ 100Hz
Treble range	+/- 14 dB @ 10kHz
Balance	+0/-17.5 dB in seven 2.5 dB steps (L and R)
IR pass through frequencies	34-40kHz and 54-58kHz
Connection to hub	Cat5e or CAT6
Connection between speakers	Cat5e/6 or two core speaker wire

SYSTEM DIAGRAM



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