

MOBIUS5iBMT-EN54

HIGH PERFORMANCE VOICE EVACUATION HI-Z PLASTER-OVER
LOUDSPEAKER WITH INTEGRATED BACKBOX

DATASHEET DRAFT Rev. 1.1 | 20-10-2022 | E&OE



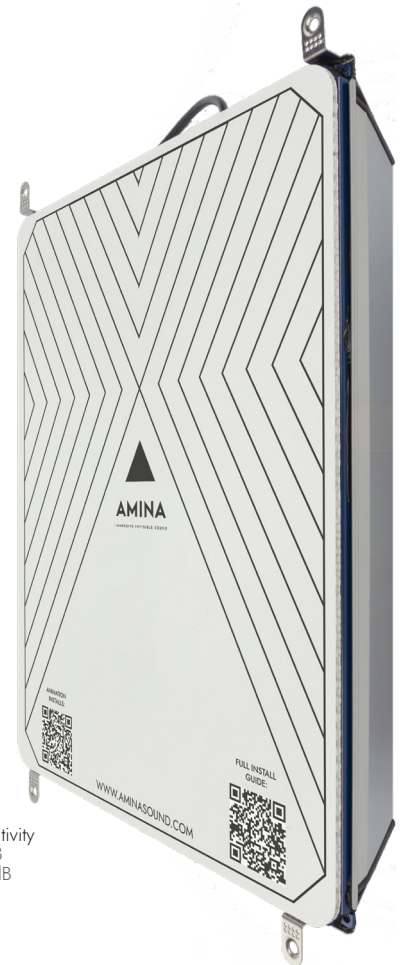
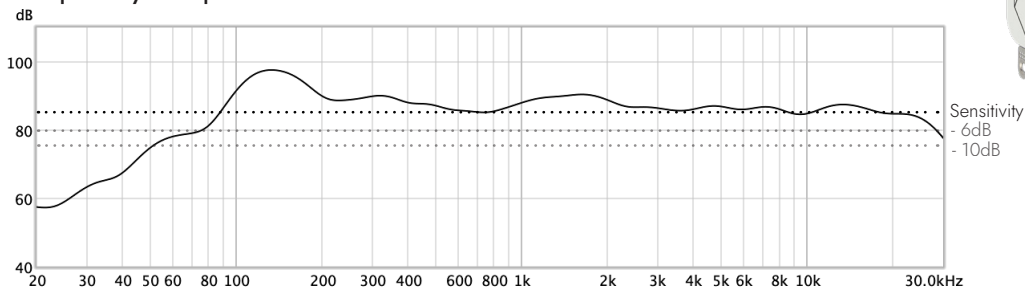
Product Description

The Mobius5iBMT-EN54 has been developed and certified for use in high-impedance fire evacuation systems. Based on the award-winning Mobius5i and using the same patented technologies including Optidrive, Opti-damping and Reduced Resonance Exciter technology, the Mobius5iBMT-EN54 features the same hi-fidelity, room-filling and dynamic sound that Amina is known for. The Mobius5iBMT-EN54 is a sealed unit with a new acoustically tuned and fully integrated bacbox design and features a new front-mounting system that automatically aligns the loudspeaker to the perfect depth, making a one-person installation easier than ever before. Designed to be completely covered by 2mm of plaster or other material, the Mobius5iBMT-EN54 is completely invisible in application.

Example Applications

Mid-power, high-impedance commercial and residential applications where an EN-54 (fire evacuation) rating is required. Designed for dual use - providing high-quality music and media playback as well as voice evacuation duties in a properly configured audio system - an unparalleled solution for projects looking to avoid the visual clutter of multiple loudspeaker systems.

Frequency Response



Specifications

Mobius5iBMT-EN54

Transformer Taps (100V line)	5W / 10W / 20W
Transformer Taps (70V line)	2.5W / 5W / 10W
Sensitivity (@ 1m/2.83Vrms)	86dB SPL (2mm plaster skim applied)
Frequency response (-6dB)	70Hz - 27kHz
Useable frequency range (+/- 10dB)	55Hz - 29kHz
Dispersion angle	180° x 180° at specified frequency range
Electrical connection	WAGO lever lock (up to 12 AWG)
Dimensions (not including mounting tabs)	452mm x 348mm x 77mm (17 13/16" x 13 11/16" x 3 1/16")
Product weight	2.8Kg (6lbs 3oz)
Fixing requirements	All fixings provided
Manufacturer limited residential warranty	10 years

Amina Technologies Limited

Cirrus House, Glebe Road, Huntingdon, Cambridgeshire, PE29 7DL, England

+44 (0) 1480 354390 | info@aminasound.com | www.aminasound.com