

AEX WM 563 Surface Mounted Wall Loudspeaker



AEX WM 512 Surface Mounted Wall Loudspeaker Owner's Manual

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AEX WM 512 Surface Mounted Wall Loudspeaker



Product Specifications

- **Rated Input:** —
- **Rated Impedance:** —
- **Maximum Power:** —
- **Frequency Response:** —
- **Sensitivity 1W @ 1m:** —
- **Coverage Angle (1kHz, -6dB):** —
- **Speaker Component:** 120 mm dynamic full range loudspeaker component
- **Material & Finish:** Metal mesh cover, vented enclosure
- **Dimensions:** 173 mm x 260 mm x 65 mm
- **Weight:** —

Product Usage Instructions

The WM 512 Surface Mounted Wall Loudspeaker is versatile and suitable for various applications. Follow these steps for proper usage:

Installation:

1. Identify a suitable location without a false ceiling, such as stairwells or rooms with concrete ceilings.
2. Mount the loudspeaker horizontally or vertically using appropriate mounting hardware.
3. Ensure the loudspeaker is securely fixed to prevent unauthorized removal.

Connection:

1. Connect the loudspeaker to a 70 V or 100 V line distributed speaker system using the multiple tapping line-matching transformer.
2. Verify the connections are secure and properly insulated.

Sound Adjustment:

1. Adjust the tilt of the loudspeaker for optimal sound projection towards the desired listening area.
2. Fine-tune the volume levels and other audio settings on the connected system for best performance.

Maintenance:

1. Periodically clean the metal mesh cover to maintain aesthetics and ensure proper airflow.
2. Check for any loose connections or signs of damage and address them promptly.

Frequently Asked Questions

- **Can the WM 512 loudspeaker be used outdoors?**

The WM 512 is designed for indoor use in areas like stairwells and rooms with concrete ceilings. Outdoor use is not recommended.

- **What is the recommended power source for the WM 512?**

The WM 512 is suitable for use with a 70 V or 100 V line distributed speaker system.

- **Can the WM 512 be painted to match the wall color?**

It is not recommended to paint the loudspeaker as it may affect sound quality and durability. The metal mesh cover provides a sleek finish.

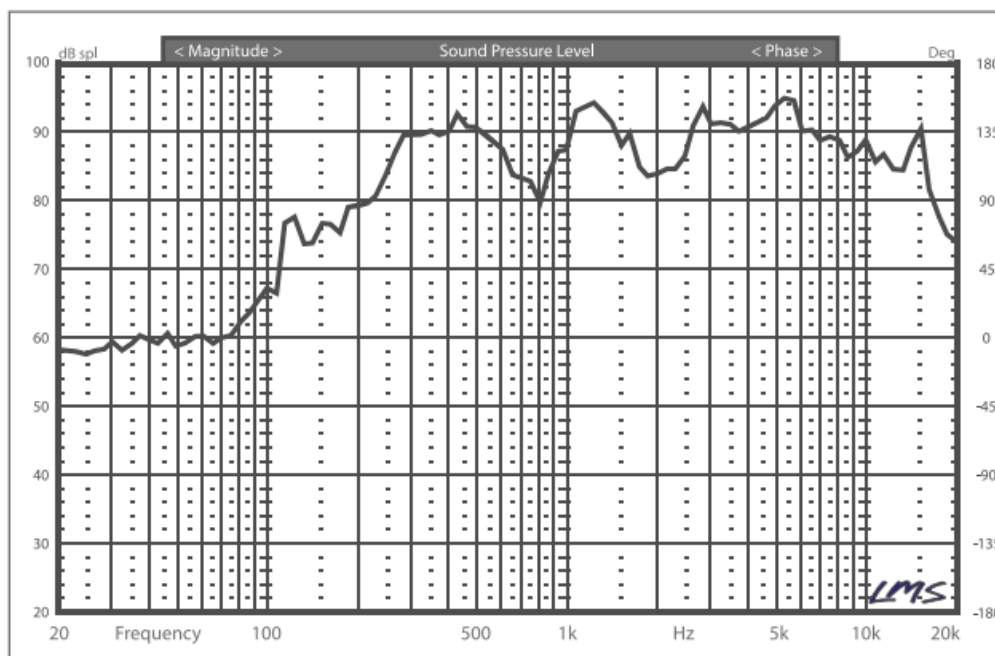
INTRODUCTION

- The WM 512 Surface Mounted Wall Loudspeaker is designed for a wide range of applications. The unit is ideally installed in areas without a false ceiling such as in stairwells and rooms with concrete ceiling.
- Utilising a 120 mm dynamic full range loudspeaker component, the WM 512 provides excellent speech and music reproduction even under high ambient noise conditions. Its vented enclosure is designed to enhance the sound quality of the unit. The unit comes fitted with a fine metal mesh cover at the front baffle for improved aesthetics and better protection.
- The WM 512 comes with a multiple tapping line-matching transformer, suitable for 70 V or 100 V line distributed speaker system. The loudspeaker can be mounted horizontally or vertically without visible mounting screws and also tilted for closer sound projection. The enclosure is designed for permanent installation to prevent unauthorised removal of the unit.
 - 120 mm dynamic full range loudspeaker component, providing clear undistorted sound quality.
 - Horizontal or vertical mounting and a tamper-proof mounting design which completely eliminates front visible mounting screws.
 - Built-in audio line matching transformer with multiple impedance choice of (3.3 kΩ , 1.7 kΩ and 0.83kΩ), suitable for both 70 V and 100 V line distributed speaker system.
 - A low-profiled enclosure design with a fine metal mesh cover makes the unit aesthetically pleasing.

Technical Specification

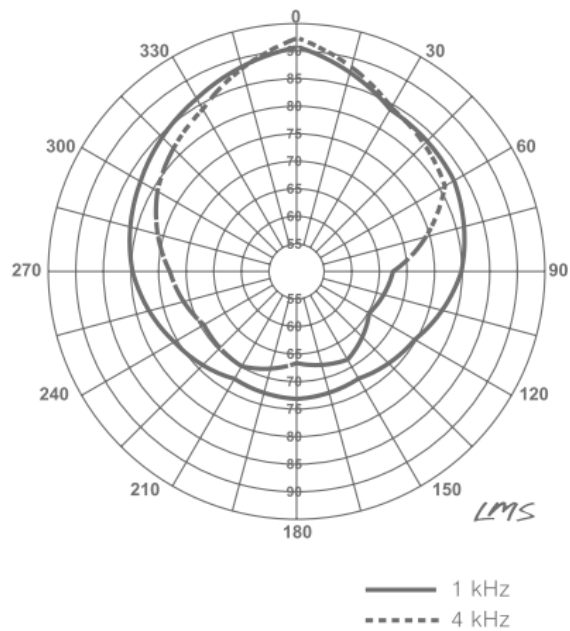
	WM 512
Rated Input	100V : 12 W (12 – 6 – 3 W) 70V : 6 W (6 – 3 – 1.5 W)
Rated Impedance	0.83 k Ω (0.83 – 1.7 – 3.3 k Ω)
Maximum Power	18 W
Frequency Response	110 Hz – 20 kHz
Sensitivity 1W @ 1m	92 / 103 dB
Coverage Angle (1kHz, -6dB)	70 °
Speaker Component	120 mm Dynamic Full-range Loudspeaker
Certified	–
Material & Finish	Enclosure: ABS, white Grille: Aluminium Mesh, white
Dimensions	260 x 173 x 65 mm (W x H x D)
Weight	1 kg

Frequency Response

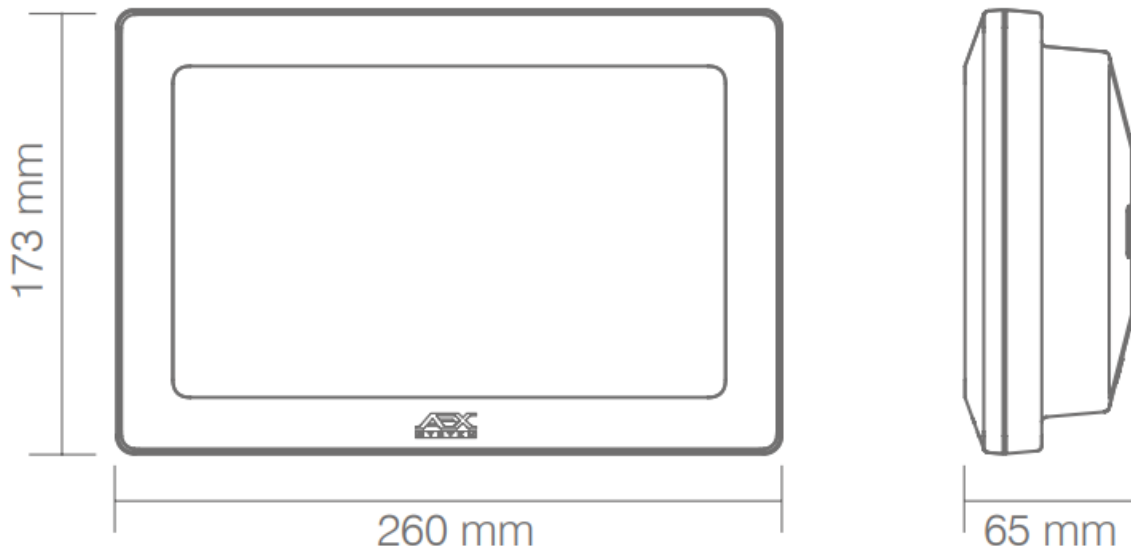


*at 1W / 1m

SPL Polar Plot



DIMENSION



WEB: www.aexsystem.com

Documents / Resources

	<p>AEX WM 512 Surface Mounted Wall Loudspeaker [pdf] Owner's Manual</p> <p>WM 512 Surface Mounted Wall Loudspeaker, WM 512, Surface Mounted Wall Loudspeaker, Mounted Wall Loudspeaker, Wall Loudspeaker, Loudspeaker</p>
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References

- [User Manual](#)

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