



# Compact Speakers

**Merlion**  
Awards

## The Clear Voice™ MPS-2

The Compact Speaker MPS-2 is the world's first speaker that merges the unique performance capabilities of Planar Magnet technology and Balance Mode Radiators (BMR) into a powerful compact enclosure. The end result of this combined technology is a new sonic signature that delivers ultra clear mid and high frequency details coupled with full and balanced bass.

This exceptional sound comes from the MAD-2 planar magnetic driver and a 6.5" cone transducer. The MAD-2 planar driver, known for its incredibly low distortion and lightning-fast transients and the 6.5" driver deliver exceptional realism and full-range performance.

The drivers are coupled with an enclosure design which uses multiple partitions allowing each driver to operate within their own acoustically tuned chamber. While functioning as a 2-way system, the combined band-pass and power output from each driver have been matched so that the speaker can be powered from a single amplifier channel. No crossover network is required.

The MPS-2 is normally voiced to provide a natural balance between music and voice making it an ideal solution for general PA, music, and voice reinforcement. However, when speech reinforcement is the top priority for paging or emergency notification, a factory option is available that adjusts the speaker's output for maximum vocal clarity and intelligibility.

Weighing in at just 21 lbs., the compact low-profile enclosure in less than 20"h x 6"w x 7"d. The MPS-2 is ideal for the following applications: High-level Voice Paging in Retail, Commercial, and JTransportation. Houses of Worship and Theaters, Conference and Board Rooms, Kiosk and POS Displays and Digital Signage Audio.

■ Contact your PCSC Representative for more details: [sales@1pcsc.com](mailto:sales@1pcsc.com)

### Ideal Applications:

- High-level Voice Paging in Retail, Commercial, and Transportation Centers
- Background or Foreground Music
- Houses of Worship & Theaters
- Under-Balcony Fill Systems
- Conference and Board rooms
- Media System Playback
- Kiosks and POS Displays
- Digital Signage Audio

### MPS-2 Features:

- One 6 Inch MAD-2 Planar Magnetic Transducer and One 6.5 Inch Balanced Mode Radiator
- 15 watts RMS, 30W program (music), 60W peak, 200 ms
- Light Weight & Compact Design
- MDF Wood - Black or White Latex Paint
- Plug-n-Play Ready (no assembly)
- Ultra Clear Mid and High Frequency Details
- Balanced Bass





## Ultra Compact Speaker MPS-2 Specifications

### General Description:

The MPS-2 is an unpowered speaker that uses one 6 inch MAD-2 Planar Magnetic transducer and one 3.5 inch Balanced Mode Radiator. The wooden speaker enclosure is constructed from MDF and finished with a latex paint. This system is plug-n-play ready and requires no assembly.

Configuration:	The MPS-2 is available as a 4 ohm speaker or with a 70 volt transformer for constant voltage systems. Selectable transformer taps include 5, 10, and 15 watts.  Standard speaker voicing produces a balance response for music and voice applications. The speaker can be ordered with a factory installed "Voice Emphasis" voicing that will maximize vocal clarity and intelligibility. See below for model and ordering information.
Driver:	One 6 inch MAD-2 Planar Magnetic transducer and one 6.5 inch Balance Mode Radiator transducer
Horizontal Dispersion:	Nominal 45 degrees, useful to 60 degrees
Vertical Dispersion:	Nominal 30 degrees, useful to 45 degrees
Power Handling:	15 watts RMS, 30 watts Program (music), 60 watts peak, 200 ms
Useful Frequency Range:	400 Hz to 10 KHz + 3 dB; 150 Hz to 15 KHz + 10 dB
Sensitivity:	86 dB, 1 watt/1m band limited pink noise; 88 dB, 1 watt/1m @ 1 KHz
Maximum output:	100 dB, 15 Watts/1m @ 1 KHz
Speaker Connector:	Screw Terminal Strip
Model: MP2-2/BK	4 ohm speaker w/Black finish
Model: MPS-2/WH	4 ohm speaker w/White finish
Model: MPS-2/70/BK	Speaker with 70 volt transformer with Black finish
Model: MPS-2/70/WH	Speaker with 70 volt transformer with White finish;
	*For speaker with optional "Voice Emphasis" voicing, add a "V" suffix to the end of the model number
70 volt transformer specification:	Frequency Response - 40-20KHz, <1dBu; THD + Noise - <0.1% @ 1 KHz, Insertion Loss - 1 dB Weight - .75 lbs.
Weight / Dimensions:	21 lbs / 19.625"H x 6.0"W x 6.813"D
Material / Finish / Warranty	MDF wood / Black or White Latex Paint (ask about custom colors) / 5 Years
Accessories:	70 volt transformer with 5, 10, and 15 watt taps; Mounting bracket for wall or ceiling installation.

In a quest for increasing product performance, these specifications are subject to change without notice.

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