

MJF-208 Compact Stage Monitor



The MJF-208 compact stage monitor reproduces audio faithfully with high intelligibility at high output levels with ample low-frequency headroom. Its lightweight cabinet and small footprint make it ideal for monitoring applications with minimal stage space that don't require the higher output of the MJF-212A or MJF-210, also from Meyer Sound. All three stage monitors offer the advantages of self-power with simplified setup and operation and consistent stage-to-stage sound, while occupying a fraction of the truck space of similar monitors requiring external amplification.

The MJF-208's phase-corrected 55 Hz to 18 kHz frequency range ensures that vocals and instruments are reproduced accurately with low distortion and no signal coloration. Its flat phase and frequency response, as well as its exceptional impulse response, yields high gain before feedback.

The MJF-208's durable, vented enclosure houses two high-power, long-excursion 8-inch low-

frequency drivers, as well as a 3-inch diaphragm compression driver coupled to a constant directivity horn. The dual low-frequency driver design delivers exceptional pattern control and directionality, eliminating the need for left-right stage monitor configurations. The 70-degree horizontal by 50-degree vertical horn ensures optimal monitoring for performers, permitting the freedom to move stage left and stage right while remaining within the horizontal coverage. The low-profile cabinet slopes 35 degrees from the stage to preserve sight lines.

Drivers are powered by a 3-channel, class D amplifier. The Intelligent AC™ power supply provides automatic voltage selection, EMI filtering, soft current turn-on, and surge suppression.

The optional RMS™ remote monitoring system module provides comprehensive monitoring of loudspeaker parameters from a Mac® or Windows®-based computer running Compass®

control software. The optional RMServer connects up to 50 RMS loudspeakers on a single network. Optional XLR 5-pin connectors for the MJF-208 allow the use of composite cables carrying both balanced audio and RMS.

The optional MDM-832 distribution module routes AC power, balanced audio, and RMS to multiple MJF-208s, further enhancing portability and ease of use. The MDM-832 simplifies distribution with composite cables carrying AC power, balanced audio, and RMS, streamlining setups and tear-downs and reducing onstage cable clutter.

The MJF-208's cabinet is constructed of premium birch plywood, coated with a durable, black-textured finish, and includes protective rubber strips on the bottom of the unit that prevent changes in position due to vibrations. A hex-stamped steel grille lined with acoustical black mesh protects the drivers.

FEATURES & BENEFITS

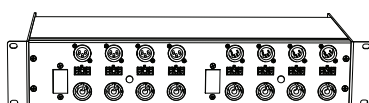
- Self-powered system simplifies setup and operation and ensures consistent sound from stage to stage
- Small lightweight footprint with no external amplification occupies less truck space
- Low-profile cabinet preserves onstage sight lines
- Horizontal coverage permits the freedom to move stage left and stage right
- High peak power ensures excellent transient response
- Flat frequency and phase response yields high gain before feedback

SOLUTIONS

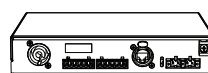
- Small- or mid-sized stages, clubs, houses of worship, or corporate AV
- Main or backup vocal, or instrument monitor
- Applications where space and portability are a factor

MJF-208 ACCESSORIES

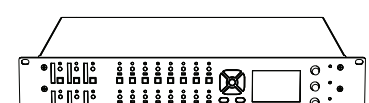
MDM-832 DISTRIBUTION MODULE Simplifies routing of AC power, balanced audio, and RMS to stage monitors with composite cabling.



RMSERVER Networks up to 50 RMS loudspeakers so that loudspeaker parameters can be monitored from a host computer with Compass control software.



GALILEO 616 LOUDSPEAKER MANAGEMENT SYSTEM Drives loudspeaker systems with 6 x 16 matrix processing, DSP, and EQ with Compass control software.



MJF-208 PRELIMINARY SPECIFICATIONS

ACOUSTICAL	
Operating Frequency Range ¹	55 Hz – 18 kHz
Phase Response	200 Hz – 16 kHz ±45 degrees
Coverage	70 degrees horizontal x 50 degrees vertical
Crossover ²	1100 Hz
TRANSDUCERS	
Low Frequency	Two high-power 8-inch cone drivers
High Frequency	One 3-inch diaphragm compression driver
AUDIO I/O	
Connectors ³	XLR 3-pin or 5-pin female input XLR 3-pin or 5-pin male loop output
AMPLIFIER	
Type	3-channel, class D
Cooling	Convection
AC POWER	
Connectors	powerCON 20 input with loop output
Safety Rated Voltage Range	100–240 V AC, 50–60 Hz
Turn-on/off Points	90 V AC turn-on, no turn-off; internal fuse-protection above 265 V AC
Maximum Long-Term Continuous Current Draw	1.4 A rms (115 V AC); 0.8 A rms (230 V AC); 1.7 A rms (100 V AC)
RMS NETWORK (OPTIONAL)	
Equipped with 2-conductor, twisted-pair network, reporting all amplifier operating parameters to host computer	
PHYSICAL	
Dimensions	18.68 inches W x 12.68 inches H x 18.60 inches D (474 mm x 322 mm x 472 mm)
Weight	45 lbs (20.4 kg)
Enclosure	Premium birch plywood with a black-textured, hard-shell finish
Protective Grille	Powder-coated, hex-stamped steel with black mesh screen

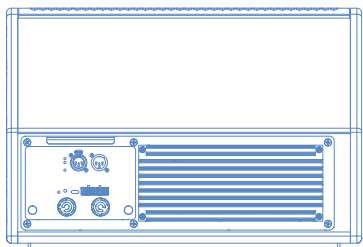
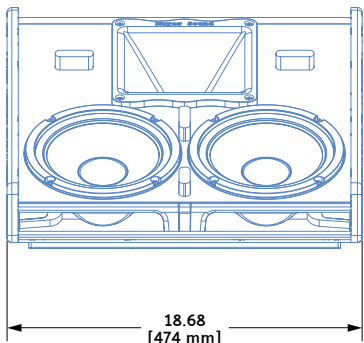
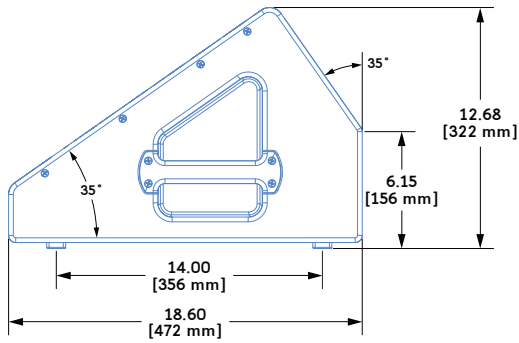
- NOTES
- ¹ Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
 - ² At this frequency, the transducers produce equal sound pressure levels.
 - ³ XLR 5-pin connectors accommodate both balanced audio and RMS signals.

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PRELIMINARY ARCHITECT SPECIFICATIONS

The loudspeaker shall be a self-powered stage monitor; its transducers shall include two 8-inch cone drivers and one 3-inch diaphragm compression driver on a 70-degree x 50-degree horn.

The loudspeaker shall incorporate internal processing electronics and a 3-channel amplifier, one channel for each driver. Processing functions shall include equalization, phase correction, signal division, and driver protection. Amplifier channels shall be class D. The crossover point shall be 1100 Hz.

Performance specifications, measured at 1/3-octave resolution, for a typical production unit shall be as follows: operating frequency range, 55 Hz to 18 kHz; phase

response, 200 Hz to 16 kHz ±45 degrees. Coverage shall be 70 degrees horizontal by 50 degrees vertical.

Audio connectors shall be XLR 3-pin, female and male, accommodating balanced audio, or XLR 5-pin, accommodating both balanced audio and RMS.

The internal power supply shall perform automatic voltage selection, EMI filtering, soft current turn-on, and surge suppression. Power requirements shall be nominal 100, 110, or 230 V AC line current at 50–60 Hz. UL and CE operating voltage range shall be 100–240 V AC at 50–60 Hz. Maximum long-term continuous current draw shall be 1.4 A rms at 115 V AC, 0.8 A rms at 230 V AC, and 1.7 A rms at 100 V AC. AC

power connectors shall be powerCON 20 with loop output. The loudspeaker shall optionally include the RMS remote monitoring system module.

Components shall be mounted in an acoustically-vented, wedge-shaped enclosure constructed of premium birch plywood with a black-textured, hard-shell finish. The protective grille shall be hex stamped steel with black mesh screen. Dimensions shall be 18.68 inches wide x 12.68 inches high x 18.60 inches deep (474 mm x 322 mm x 472 mm). Weight shall be 45 lbs (20.4 kg). The enclosure's front angle shall be 35 degrees.

The loudspeaker shall be the Meyer Sound MJF-208.