

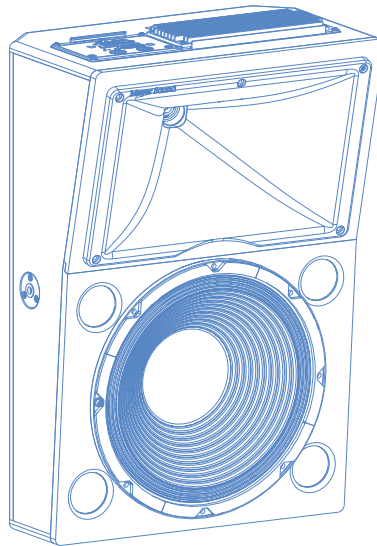
HMS-15 : High-Power Cinema Surround Loudspeaker



The HMS-15 high-power surround loudspeaker is optimized for use in cinemas, theatres, screening rooms, or any surround application or immersive cinema format. The self-powered, full-range HMS-15 maintains a wide dynamic range, exceptional fidelity, and clarity during the most demanding of digital soundtracks. As part of Meyer Sound's EXP cinema series, the HMS-15 integrates seamlessly with Acheron® screen channel loudspeakers, as well as with other HMS surround loudspeakers. Boasting a wide frequency range of 50 Hz to 18 kHz and a maximum peak SPL of 133 dB at 1 meter with very low distortion, the HMS-15 delivers the full intensity and nuance of cinema surround channels to every listener without compromise.

The HMS-15's transducers include a 15-inch low-frequency, long-excursion cone driver and a 3-inch diaphragm high-frequency compression driver on a constant-directivity 80-degree horizontal by 50-degree vertical horn that delivers exceptional consistency. The proprietary drivers — designed and manufactured at Meyer Sound's headquarters in Berkeley, California — are powered by two channels of onboard amplification that include an active crossover, driver protection circuitry, and correction filters for flat phase and frequency responses.

The versatile HMS-15 can be mounted on walls or ceilings at fixed or adjustable angles with the optional wall-mount brackets or U-bracket, allowing the unit to be deployed per the



- Dimensions** 19.00" w x 29.09" h x 12.07" d (483 mm x 739 mm x 307 mm)
- Weight** 64 lbs (29.0 kg)
- Enclosure** Multi-ply hardwood
- Finish** Black textured
- Protective Grille** Acoustically transparent, black cloth-covered frame
- Mounting** Rear attachment points for optional wall-mount brackets and side attachment points for optional U-bracket

requirements of any surround application or immersive cinema format.

The HMS-15 requires two channels of DC power from an MPS-488HP external power supply. Powering the unit from an external source eliminates the need for wiring conduits while still preserving the advantages of self-powered, bi-amplified loudspeaker systems. For

even greater flexibility, the HMS-15AC model is available for AC installations.

Meyer Sound's RMS™ remote monitoring system provides comprehensive monitoring of system parameters on a Mac® or Windows®-based computer. RMS is available for the HMS-15 via the RMS option for the MPS-488HP external power supply. RMS is available for the HMS-15AC as an onboard loudspeaker option.

Meyer Sound's industry leading self-powered loudspeaker technology not only delivers unparalleled and consistent audio fidelity but also simplifies installation, whether designing new rooms from scratch or adding surround channels to existing setups. The HMS-15's textured finish and black cloth grille blend smartly with any theatre decor.

FEATURES & BENEFITS

- Available in two models: the HMS-15 for DC configurations with external power and the HMS-15AC for AC installations
- Exceptional fidelity and extended high-frequency performance
- Constant-directivity horn yields uniform response throughout coverage area
- Extraordinarily flat amplitude and phase responses for tonal accuracy
- Seamless integration with Acheron screen channel loudspeakers, as well as with other HMS surround loudspeakers
- Mounts on walls or ceilings with optional adjustable-mount bracket or U-bracket

APPLICATIONS

- Cinemas and theatres
- Screening rooms
- Surround mixing for production and postproduction facilities
- Immersive surround applications

PRELIMINARY SPECIFICATIONS

Operating Frequency Range¹	50 Hz – 18 kHz
Frequency Response²	54 Hz – 16 kHz ±4 dB
Phase Response³	650 Hz – 18 kHz ±30° / 290 Hz – 18 kHz ±45°
Maximum Peak SPL	133 dB
Crossover Point	680 Hz
Coverage	80° horizontal x 50° vertical
Transducers	One 15" low-frequency, long-excursion cone driver One 3" diaphragm high-frequency compression driver
Audio/Power Connectors	HMS-15: (2) Phoenix 5-pin male HMS-15AC: XLR 3-pin with loop output, powerCON 20 with loop output
Voltage Requirement⁴	HMS-15: 48 V DC HMS-15AC: 100–240 V AC, 50/60 Hz
Amplifier Type	2-channel with active crossover
RMS Network (Optional)⁵	Equipped with 2-conductor, twisted-pair network, reporting all system parameters to host computer

- NOTES:**
1. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
 2. Free field, measured with 1/3-octave frequency resolution at 4 meters.
 3. Measured with music referred to 1 meter.
 4. The HMS-15 requires two channels of DC power from an MPS-488HP external power supply.
 5. RMS for the HMS-15 requires the RMS option for the MPS-488HP external power supply.



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