The HMS cinema surround loudspeaker is optimized for use in cinemas, high-end private theatres, screening rooms, and other surround applications. Designed to complement Meyer Sound’s Acheron™ screen channel loudspeakers, the self-powered HMS maintains a wide dynamic range, exceptional fidelity, and precise clarity during the most demanding of digital soundtracks. Boasting a wide frequency range and a generous linear peak SPL with very low distortion, the HMS delivers the full intensity and nuance of cinema surround channels to every listener without compromise.

The HMS cinema surround loudspeaker is available in five models: HMS-5, HMS-10, HMS-12, HMS-15, and HMS-15AC, ranging in size, weight, driver size, and power to accommodate a wide range of venues and applications. The proprietary long-exursion cone drivers and diaphragm compression drivers are driven by an onboard amplifier that includes an active crossover, driver protection circuitry, and correction filters for flat phase and frequency response. A constant-directivity horn provides uniform, full-range, consistent coverage.

The HMS-5, HMS-10, HMS-12, and HMS-15 are equipped with IntelligentDC technology and receive DC power and balanced audio from composite Phoenix™ 5-pin connectors. Powering the loudspeakers from an external DC source eliminates the need for AC conduits while preserving the advantages of self-powered systems. IntelligentDC loudspeakers require an MPS-488HP external power supply. The single-space 19-inch rack unit distributes DC power and balanced audio to up to eight HMS-5, HMS-10, or HMS-12 loudspeakers, or up to four HMS-15 loudspeakers. Composite multiconductor cables, such as Belden® 1502 or equivalent, can deliver both DC power and balanced audio to loudspeakers at cable lengths up to 150 feet with just 1 dB of loss in peak SPL using 18 AWG wire. Longer cable runs are possible with heavier gauges. The MPS-488HP is optionally available with an RMS™ remote monitoring system module for monitoring voltage and current draw for its attached loudspeakers from a Mac® or Windows®-based computer.

The HMS-15AC is an AC-powered version of the HMS-15. Its Intelligent AC™ power supply provides automatic voltage selection, EMI filtering, soft current turn-on, and surge suppression. The HMS-15AC is optionally available with its own onboard RMS™ remote monitoring system module for comprehensive monitoring of loudspeaker parameters from a Mac or Windows-based computer.

The versatile HMS can be suspended or mounted on walls or ceilings at fixed or adjustable angles with optional half-yoke, U-bracket, or wall-mount brackets, allowing it to be deployed per the requirements of any surround application or immersive cinema format.

Meyer Sound’s industry-leading self-powered 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 installations. The HMS cabinet features a black textured finish and an acoustically transparent, detachable, black cloth grille that blend smartly with any theatre decor.

**FEATURES & BENEFITS**
- Exceptional fidelity and extended high-frequency performance
- Constant-directivity horn yields uniform response throughout coverage area
- Seamless integration with Acheron screen channel loudspeakers and X-800C and X-400C cinema subwoofers
- Extraordinarily flat amplitude and phase response for tonal accuracy
- IntelligentDC power affords the flexibility of lengthy cable runs to the HMS-5, HMS-10, HMS-12, and HMS-15 without conduits
- Optional mounting options provide multiple configurations for attachment to walls, ceilings, or hanging clamps

**SOLUTIONS**
- Cinemas and theatres
- Screening rooms
- Surround mixing for production and postproduction facilities
- High-end private theatres
- Immersive surround applications
**FMB-HMS Fixed Mount Bracket**
Mounts HMS loudspeakers on walls at a fixed 0-degree angle. The fixed bracket mounts cabinets 0.87 inches (22 mm) from the wall.

**Weight**
- 3.1 lbs (1.4 kg)

**Compatibility**
- HMS-5
- HMS-10
- HMS-12
- HMS-15/15AC

**AMB-HMS Adjustable Mount Bracket**
Mounts HMS loudspeakers on walls with uptilt or downtilt (see below for tilt amounts). When installed with no tilt, the bracket mounts cabinets 2.24 inches (57 mm) from the wall.

**Weight**
- 4.2 lbs (1.9 kg)

**Compatibility**
- HMS-5 (+5°/–16°)
- HMS-10 (+5°/–16°)
- HMS-12 (+5°/–12°)
- HMS-15/15AC (+5°/–10°)

**HY-HMS / HY-HMS15 Half Yokes**
Suspends HMS loudspeakers with a full range of tilt (360°). The yokes can attach directly to ceilings or can accept “C” or “G” hanging clamps with standard 1/2-inch or 12 mm bolts.

**Weight**
- HY-HMS, 12.4 lbs (5.6 kg)
- HY-HMS15, 7.6 lbs (3.4 kg)

**Compatibility (HY-HMS)**
- HMS-5 (360°)
- HMS-10 (360°)
- HMS-12 (360°)

**Compatibility (HY-HMS15)**
- HMS-15/15AC (360°)

**MUB-HMS / MUB-HMS15 U-Brackets**
Mounts HMS loudspeakers on walls or ceilings with uptilt or downtilt (see below for tilt amounts). The U-brackets include variable attachment points to place cabinets closer or farther from the mounting surface.

**Weight**
- MUB-HMS, 13.5 lbs (6.1 kg)
- MUB-HMS15, 7.6 lbs (3.4 kg)

**Compatibility (MUB-HMS)**
- HMS-5 (+60°/–43°)
- HMS-10 (+32°/–25°)
- HMS-12 (+23°/–20°)

**Compatibility (MUB-HMS15)**
- HMS-15/15AC (+16°/–13°)

**WH-HMS Wall Hinge Bracket**
Mounts HMS loudspeakers on walls with the capability of aiming them horizontally up to 90° away from the wall. The bracket is symmetrical, allowing it to be rotated 180° so cabinets can be aimed either toward or away from the screen.

**Weight**
- 10.4 lbs (4.7 kg)

**Compatibility**
- HMS-5
- HMS-10
- HMS-12

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**Notes**
* Wider downtilt may be possible with the AMB-HMS adjustable mount bracket depending on the building’s structural components and mounting surface.
† Wider uptilt and downtilt may be possible with the MUB-HMS and MUB-HMS15 U-brackets depending on the building’s structural components and mounting surface.
### HMS Specifications

#### Acoustical

<table>
<thead>
<tr>
<th>HMS</th>
<th>Compact Cinema Surround Loudspeaker</th>
<th>HMS</th>
<th>High-Power Cinema Surround Loudspeaker</th>
<th>HMS</th>
<th>High-Power Cinema Surround Loudspeaker</th>
<th>HMS</th>
<th>High-Power Cinema Surround Loudspeaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range&lt;sup&gt;1&lt;/sup&gt;</td>
<td>55 Hz – 18 kHz</td>
<td>55 Hz – 18 kHz</td>
<td>59 Hz – 18 kHz</td>
<td>50 Hz – 18 kHz</td>
<td>50 Hz – 18 kHz</td>
<td>50 Hz – 18 kHz</td>
<td></td>
</tr>
<tr>
<td>Phase Response&lt;sup&gt;2&lt;/sup&gt;</td>
<td>250 Hz – 18 kHz ±45°</td>
<td>290 Hz – 18 kHz ±45°</td>
<td>240 Hz – 18 kHz ±45°</td>
<td>290 Hz – 18 kHz ±45°</td>
<td>290 Hz – 18 kHz ±45°</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linear Peak SPL&lt;sup&gt;2&lt;/sup&gt;</td>
<td>120.0 dB</td>
<td>123.5 dB</td>
<td>126.0 dB</td>
<td>128.5 dB</td>
<td>128.5 dB</td>
<td></td>
<td></td>
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<tr>
<td>Coverage</td>
<td>80° symmetrical</td>
<td>80° symmetrical</td>
<td>100° symmetrical</td>
<td>80° horiz. by 50° verl.</td>
<td>80° horiz. by 50° verl.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crossover&lt;sup&gt;3&lt;/sup&gt;</td>
<td>1.7 kHz</td>
<td>2.5 kHz</td>
<td>840 Hz</td>
<td>680 Hz</td>
<td>680 Hz</td>
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<td></td>
</tr>
</tbody>
</table>

#### Transducers

- **Low Frequency**: Two 5-inch long-excision cone drivers
- **High Frequency**: One 2-inch diaphragm compression driver

#### Amplifier

- **Type**: 3-channel with active crossover
- **Audio/Power**: One Phoenix 5-pin male composite input

#### Connectors

- **Audio/Power**: One Phoenix 5-pin male composite input
- **Network**: 2-conductor, twisted-pair

#### Power

- **Input**: 48 V DC
- **Output**: Requires MPS-488HP Intelligent DC power supply

#### Physical

- **Dimensions**: 15.00 inches W x 381 mm), 9.66 inches D x 245 mm
- **Weight**: 18.4 lbs (8.3 kg)
- **Enclosure**: Multi-ply hardwood with black textured finish
- **Mounting**: Rear attachment points

#### Notes

1. Recommended maximum operating frequency range. Response depends on loading conditions and room acoustics.
2. Free field, measured with pink noise, onset of nonlinearity, referred to 1 meter.
3. At this frequency, the transducers produce equal sound pressure levels.
4. Phoenix 5-pin wiring: Pin 1, DC power (–); Pin 2, DC power (+); Pin 3, audio shield, chassis/earth; Pin 4, audio (–); Pin 5, audio (+).
5. The HMS-15 must be connected to two adjacent channels of the MPS-488HP Intelligent DC power supply.
6. XLR 3-pin wiring: Pin 1, audio shield, chassis/earth; Pin 2, audio (+); Pin 3, audio (–).
7. Phase Response: 120.0 dB, 123.5 dB, 126.0 dB, 128.5 dB, 128.5 dB.
8. For information and specifications for the MPS-488HP Intelligent DC power supply, refer to its datasheet.
9. Indicates the safety rated voltage range for the HMS-15AC.
10. Requires RMS option for MPS-488HP Intelligent DC power supply.
11. Reports amplifier operating parameters for the HMS-15AC to the host computer.
ARCHITECT SPECIFICATIONS

HMS-5 The loudspeaker shall be a self-powered, full-range system with an onboard 3-channel amplifier and internal processing that shall include equalization, phase correction, signal division, and driver protection. Transducers shall include two 5-inch long-exursion cone drivers and one 2-inch diaphragm compression driver. The crossover point shall be 1.7 kHz.

Performance specifications, measured at 1/3-octave resolution, for a typical production unit shall be: operating frequency range, 55 Hz to 18 kHz; phase response, 250 Hz to 18 kHz ±45 degrees; linear peak SPL, measured with pink noise, 120.0 dB at 1 meter, free field. Coverage shall be 80-degree horizontal by 60-degree vertical. The loudspeaker shall be equipped with a single Phoenix 5-pin male connector (two pins for DC power and three pins for balanced audio). Power requirements for the loudspeaker shall be a Meyer Sound MPS-488HP IntelligentIDC power supply.

Components shall be mounted in a multi-ply hardwood enclosure with a black textured finish. The cabinet shall include rear and side attachment points for optional mounting. The grille shall be an acoustically transparent, detachable, black cloth-covered frame. Dimensions for the loudspeaker shall be 15.50 inches wide x 12.48 inches deep x 7.39 inches high (394 mm x 316 mm x 187 mm) without mounting bracket. Weight shall be 26.2 lbs (11.9 kg).

The loudspeaker shall be the Meyer Sound HMS-5.

HMS-12 The loudspeaker shall be a self-powered, full-range system with an onboard 2-channel amplifier and internal processing that shall include equalization, phase correction, signal division, and driver protection. Transducers shall include one 12-inch long-exursion cone driver and one 3-inch diaphragm compression driver. The crossover point shall be 840 Hz.

Performance specifications, measured at 1/3-octave resolution, for a typical production unit shall be: operating frequency range, 59 Hz to 18 kHz; phase response, 240 Hz to 18 kHz ±45 degrees; linear peak SPL, measured with pink noise, 124.6 dB at 1 meter, free field. Coverage shall be 100-degree horizontal by 100-degree vertical.

The loudspeaker shall be equipped with a single Phoenix 5-pin male connector (two pins for DC power and three pins for balanced audio). Power requirements for the loudspeaker shall be a Meyer Sound MPS-488HP IntelligentIDC power supply.

Components shall be mounted in a multi-ply hardwood enclosure with a black textured finish. The cabinet shall include rear attachment points for optional mounting. The grille shall be an acoustically transparent, detachable, black cloth-covered frame. Dimensions for the loudspeaker shall be 19.50 inches high x 12.48 inches deep x 7.39 inches high x 245 mm without mounting bracket. Weight shall be 43 lbs (19.5 kg).

The loudspeaker shall be the Meyer Sound HMS-12.

HMS-10 The loudspeaker shall be a self-powered, full-range system with an onboard 2-channel amplifier and internal processing that shall include equalization, phase correction, signal division, and driver protection. Transducers shall include one 10-inch long-exursion cone driver and one 2-inch diaphragm compression driver. The crossover point shall be 2.5 kHz.

Performance specifications, measured at 1/3-octave resolution, for a typical production unit shall be: operating frequency range, 50 Hz to 18 kHz; phase response, 290 Hz to 18 kHz ±45 degrees; linear peak SPL, measured with pink noise, 123.5 dB at 1 meter, free field. Coverage shall be 80-degree horizontal by 60-degree vertical.

The loudspeaker shall be equipped with a single Phoenix 5-pin male connector (two pins for DC power and three pins for balanced audio). Power requirements for the loudspeaker shall be a Meyer Sound MPS-488HP IntelligentIDC power supply.

Components shall be mounted in a multi-ply hardwood enclosure with a black textured finish. The cabinet shall include rear attachment points for optional mounting. The grille shall be an acoustically transparent, detachable, black cloth-covered frame. Dimensions for the loudspeaker shall be 19.00 inches wide x 29.10 inches high x 12.50 inches deep (483 mm x 739 mm x 318 mm) without mounting bracket. Weight shall be 60 lbs (27.2 kg).

The loudspeaker shall be the Meyer Sound HMS-10.

HMS-15 The loudspeaker shall be a self-powered, full-range system with an onboard 2-channel amplifier and internal processing that shall include equalization, phase correction, signal division, and driver protection. Transducers shall include one 15-inch long-exursion cone driver and one 3-inch diaphragm compression driver. The crossover point shall be 680 Hz.

The loudspeaker shall be equipped with dual Phoenix 5-pin male connectors (two pins for DC power and three pins for balanced audio). Power requirements for the loudspeaker shall be a Meyer Sound MPS-488HP IntelligentIDC power supply.

Components shall be mounted in a multi-ply hardwood enclosure with a black textured finish. The cabinet shall include rear and side attachment points for optional mounting. The grille shall be an acoustically transparent, detachable, black cloth-covered frame. Dimensions for the loudspeaker shall be 19.00 inches wide x 29.10 inches high x 12.50 inches deep (483 mm x 739 mm x 318 mm) without mounting bracket. Weight shall be 64 lbs (29.0 kg).

The loudspeaker shall be the Meyer Sound HMS-15AC.