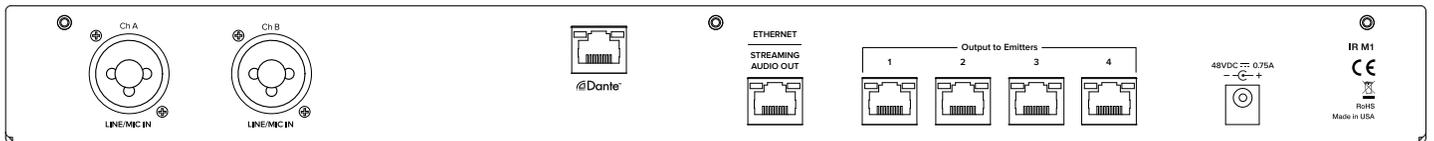
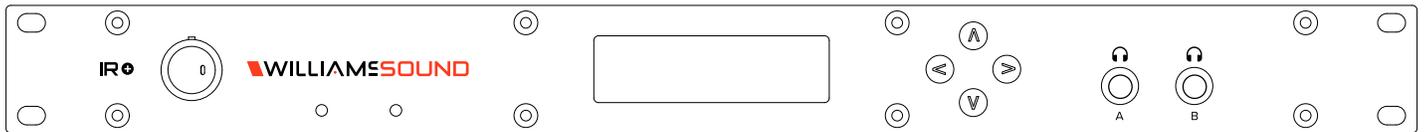


# IR M1

## Infrared Modulator



### IR M1

<b>Dimensions:</b>	19" (W) x 1.75" (H) x 8.2" (D) (48.3 cm x 4.5 cm x 20.8 cm)
<b>Weight:</b>	5.2lb. (2.4 kg)
<b>Color:</b>	Black
<b>Rack Mount:</b>	Single Rack Unit
<b>Power Supply:</b>	International Desktop Supply Input: 36 W, 110-240 VAC 50-60 Hz Output: +48VDC, 0.75A center-positive
<b>Power Switch:</b>	Rocker switch with LED
<b>Modulation:</b>	FM Wideband, +50kHz deviation, 50uS pre-emphasis
<b>Carrier Frequency:</b>	Selectable, 2.3/2.8 or 3.3/3.8MHz
<b>Signal to Noise Ratio:</b>	67 dB (typical)
<b>Frequency Response:</b>	40 to 16,000Hz, +1 dB, -3dB, electrical response
<b>Total Harmonic Distortion:</b>	Less than 2%, electrical response
<b>Audio Processor Functions:</b>	DSP based: Compression 1:1, 1.5:1, or 2:1; High-pass and low-pass filter frequency control
<b>Auto Carrier Shut-Off:</b>	Adjustable timer shuts off carrier when no audio is present. Adjustable through webpage.
<b>Infrared Test LED:</b>	Dual IR LED for receiver testing, monitoring, and audio signal testing.
<b>Audio Input:</b>	(2x) Combination 3-pin XLR, 1/4" (TRS) jack for balanced or unbalanced line level, or balanced or unbalanced microphone with selectable phantom power
<b>Dante:</b>	Optional
<b>Internal Test Tone:</b>	400 Hz internal test tone selectable as audio input source for setup and diagnostics
<b>Remote Configuration:</b>	Available through embedded website
<b>Headphone Output:</b>	(2) 1/4" headphone jacks on front panel for monitoring CH A and CH B audio inputs
<b>Emitter Output Jack:</b>	Four RJ-45 ports for CAT5e cables; provides +48VDC Power, RS-485 communication, and Baseband signals for IR transmission.
<b>Operating requirements:</b>	0-50°C ambient temperature, non-condensing, non-corrosive atmosphere
<b>Approvals:</b>	CE, FCC, RoHS, RCM, WEEE, CB Scheme, ISED, VCCI
<b>Warranty:</b>	2 years on Modulator, 90 days on accessories

**Architecture and Engineering Specifications**

- The IR M1 shall have the dimensions of 19" (W) x 1.75" (H) x 8.2" (D) (48.3 cm x 4.5 cm x 20.8 cm).
- The IR M1 shall weigh 5.2 lb (2.4 kg).
- The IR M1 shall have a selectable carrier frequency of 2.3/2.8 or 3.3/3.8MHz.
- The IR M1 shall have two combination 3-pin XLR, 1/4" (TRS) jacks for balanced or unbalanced line level, or balanced or unbalanced microphone with selectable phantom power.
- The IR M1 shall have dual 1/4" headphone jacks on the front panel.
- The IR M1 shall have four RJ-45 ports for emitter output, one dedicated RJ-45 port for LAN connection, and optional RJ-45 port for Dante input.
- The infrared modulator shall be Williams Sound model IR M1.

**NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.**

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。VCCI-A

This is a Class A equipment. Operation of this equipment in a residential environment could cause radio interference. In such a case, the user may be required to take corrective actions. VCCI-A

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