

iAM AUDIO-1

Multi-Channel Audio Monitoring & Metering of IP and Baseband Signals



Intuitive monitoring and metering of up to 16 channels of audio from multiple sources, touch screen controls, 64 presets, browser-based user interface, and APIs for remote management.



Wohler Technologies has been in business for over 30 years. We invented in-rack monitoring and we are now RE-INVENTING this broadcast technology for the modern media enterprise to handle IP MONITORING.

Flexible, Adaptable, Future Proof

iAM-AUDIO is designed to be easy to operate, yet powerful enough to provide high quality, intuitive monitoring of multiple signal types within a compact form factor. **Signal options include the latest IP formats: SMPTE 2110, SMPTE 2022, Ravenna™/AES67 and Dante™.**

High-quality touch screen panels allow for elegant and intuitive control, with simple to navigate menus. Physical front panel controls provide access to main volume, balance, and auxiliary controls to supplement touch controls, and a front mounted USB port for software updates to support new and emerging technologies -- the perfect solution for any application that requires a compact unit for monitoring an evolving range of professional signals.

All iAM Series monitors contain an onboard web server. Multiple units on the same network can be updated, monitored and controlled via a browser-based user interface that supports fast configuration with role-based authentication that protects critical configurations from unauthorized alteration.

Features & Benefits

- Touch screen front panel for easy, intuitive control
- Monitor up to 16 channels of audio from multiple sources
- Built-in speakers, headphone jack, USB and Ethernet ports
- A range of included and optional connectors and signal processing options, including SFP slots for future I/O and Ethernet inputs for IP-based I/O
- Measure Audio Loudness using ITU-R BS.1770 or EBU R128 standards
- Store and retrieve up to 64 presets via USB or remote software control
- Software upgradeable via USB or network, upgrade multiple units at once
- APIs included for remote control

Model	Part ID	Description	
iAM-AUDIO-1	8114-0200	Base Unit	1RU Base unit, includes Analog as standard
iAM-AUDIO-2	8114-0250	Base Unit	2RU Base unit, includes Analog as standard
SFP-2110 w/Ember+	829086	I/O Option	Receiver; Multi-Mode 850 NM, LC Connectors
SFP-2110 w/NMOS	829086-1	I/O Option	Receiver; Multi-Mode 850 NM, LC Connectors
SFP-2022	829088	I/O Option	Receiver; LC Connectors
SFP-2110 w/Ember+ +2022-6	829087	I/O Option	Either-Or; Multi-Mode 850 NM, LC Connectors
SFP-2110 w/NMOS+2022-6	829087-1	I/O Option	Either-Or; Multi-Mode 850 NM, LC Connectors
SFP-SDI	829089	I/O Option	3G/HD/SD-SDI single video receiver w/ active loopback, HD-BNC
SFP-SDI-Fiber	829084	I/O Option	3G/HD/SD-SDI or ASI single receiver w/ active loopback, HD-BNC
OPT-AES	829080	I/O Option	Enables decoding and monitoring of 4 x AES inputs, 1 AES Output
OPT-MADI	829092	I/O Option	Enables decoding and monitoring of 1 x MADI64 input via BNC
SFP-MM-MADI-FIBER	829081	I/O Option	MADI fiber transceiver, Multimode; LC Connectors
SFP-SM-MADI-FIBER	829082	I/O Option	MADI fiber transceiver, Single mode; LC Connectors
OPT-DANTE	829078	Processing Option	Enables decoding and monitoring of Dante™ input streams
OPT-RAVENNA 256	829079	Processing Option	Enable monitoring of up to 256 ch Ravenna™ / AES67 Input. NMOS support
OPT-RAVENNA 64	829173	Processing Option	Enable monitoring of up to 64 ch Ravenna™ / AES67 Input. NMOS support
OPT-DOLBY	829077	Processing Option	Allows decoding and monitoring of Dolby® D, DD+ & E streams

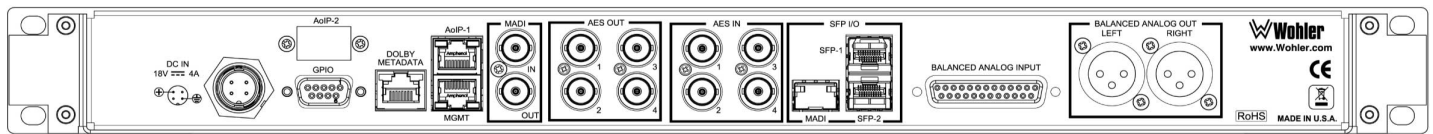




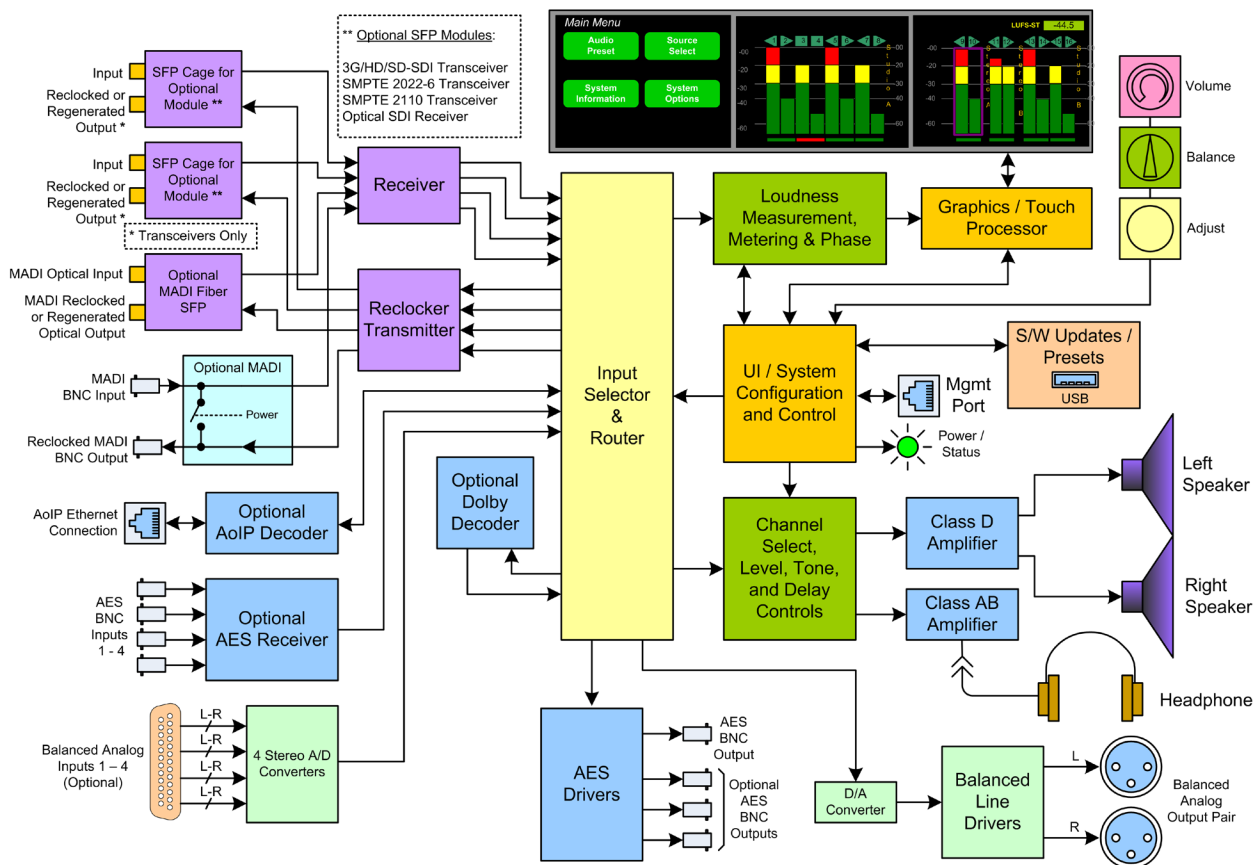
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Rear Panel



Block Diagram



Specifications	iAM-AUDIO-1	iAM-AUDIO-2
Height	1RU	2RU
Dimensions	19"x1.75"x7.5" (483 x 45 x 191 mm)	19"x3.5"x7.5" (483 x 89 x 191mm)
Shipping / Net Weight	6.5 lbs (2.9 kg) / 4.5 lbs (2.0 kg)	8.5 lbs (3.9 kg) / 6.5 lbs (2.9 kg)
Display Type	2.4" LCD Capacitive Touchscreen x 3	4.3" LCD Capacitive Touchscreen x 2
Audio Channels	16 Max	16 Max
Hum and Noise	Better than -68 dB below full output	Better than -75 dB below full output
Peak Acoustic Output	98 dB SPL @ 2 ft	104 dB SPL @ 2 ft
Speaker Power Output	RMS Each Side: 12W Continuous / 24W Peak	RMS Each Side: 15W Continuous / 30W Peak
Upgrades	Via USB or GUI web interface; Upgrading multiple units available via web interface	
Power Supply	External: 18 VDC from 100 - 240 VAC ± 10%, 50/60 Hz, CE & UL approved	
Available APIs	Get Available Presets; Get Preset Information; Get Active Preset; Apply Preset; Set Mute/Unmute Clusters; Set Solo Cluster; Set Solo Channel; Source Select	

Specifications subject to change, errors and omissions excepted

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