

iAM-MIX8/16

Multi-Channel Audio Monitoring & Mixing



Intuitive monitoring and mixing of audio from multiple sources, with browser-based user interface.



Wohler Technologies has been in the business of in-rack monitoring for over 25 years. In fact we invented it! Now with the introduction of the iAM Series, Wohler has re-invented this critical piece of broadcast technology for the modern media enterprise.

Flexible. Adaptable. Future Proof.

Specifically designed for fast-paced OB, studio and live-to-air production environments, iAM-MIX provides intuitive audio signal monitoring with instant access to 8 stored configurations of any user-defined channel groups for easy navigation between up to 64 channels.

iAM-MIX comes equipped with input options for Analog, AES3, 3G/HD/SD-SDI and multi/singlemode fiber and coax MADI audio, alongside either Dante™ or Ravenna / AES67 and allows any source format to be routed to the front panel controls for monitoring and mixing. Choose from either 8 or 16 level controls both with an independent master level control and instant mute capability. Individual OLED display indicators show status, presence metering and channel name – which can be manually edited or automatically read from a network connected router.

Multiple units on the same network can be controlled via a browser-based user interface that supports fast configuration with role-based authentication to protect critical setups.

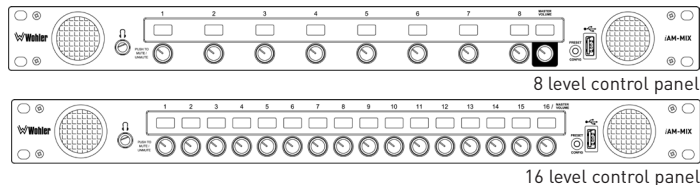
iAM-MIX is the perfect solution for any application that requires a simple, compact solution for monitoring a range of audio signals. Units are available with either 8 or 16 controls.

Features/Benefits:

- Fast selection and summing of up to 16 audio channels.
- Intuitive front panel with 8 or 16 individual level controls and quick muting.
- Channel names can be displayed for each input.
- Store and retrieve presets via USB or remote software control.
- Built-in speakers, headphone jack, USB and Ethernet ports.
- A range of useful connectors, including SFP slots for future I/O support.
- API for remote control.
- Apply software feature upgrades with zero downtime.
- Compact, space-saving units.



The iAM Command & Control interface



Part Numbers:

Base Units:

- iAM-MIX8 8114-0090 Monitoring from multiple sources incl.AoIP. 8 controls. Includes OPT-ANLG. 1RU.
iAM-MIX16 8114-0140 Monitoring from multiple sources incl.AoIP. 16 controls. Includes OPT-ANLG. 1RU.

Processing Options:

- OPT-DOLBY 829077 Allows decoding and monitoring of Dolby® D, DD+, & E streams.

I/O Options:

- SFP-MMMF 829081 MADI fiber transceiver; Multimode, LC Connectors.
SFP-MSMF 829082 MADI fiber transceiver; Singlemode, LC Connectors.
SFP-SDIB 829089 3G/HD/SD-SDI Active Loopback Video transceiver, HD-BNC.
OPT-DANTE 829078 Enables decoding and monitoring of Dante™ Input streams.
OPT-RAVENNA 829079 Enables decoding and monitoring of Ravenna™ or AES67 Input streams.



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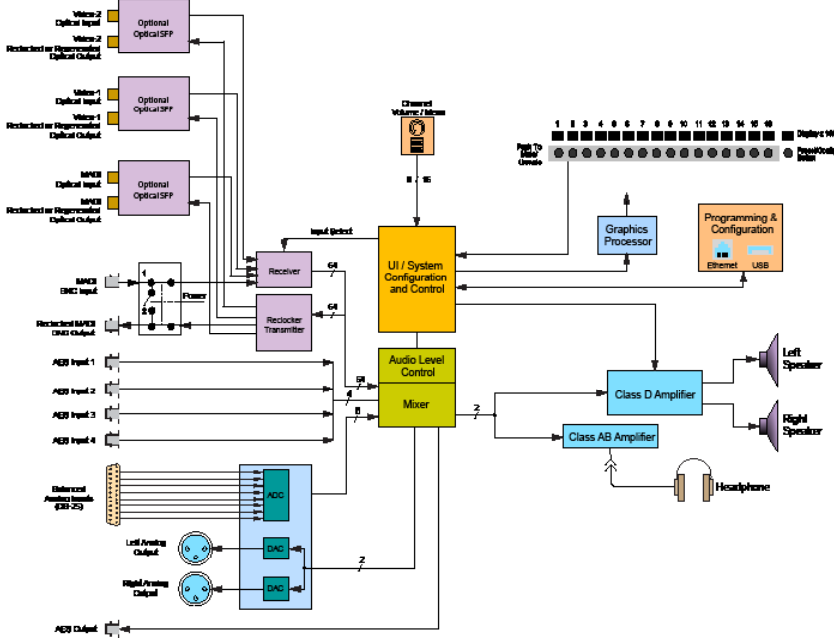
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Rear Panel



Block Diagram



Specifications

Dimensions (W x H x D)	1RU in standard 19" rack: 19" x 1.75" x 6" (482.6 mm x 44.5 mm x 152.4 mm)
Shipping Weight / Net Weight	6.5 lbs. (2.9 kg) / 4.5 lbs. (2.0 kg)
Power Consumption/Requirements	30 W typical, 100 to 240 VAC ± 10%, 50/60 Hz
Inputs/Outputs	<ul style="list-style-type: none"> • 3 SFP slots • 1 reclocked or regenerated MAD1 BNC with switched loop through • 4 AES input • 4 AES output • 8 Balanced analog inputs • 1 headphone (1/4" jack) • 1 AoIP input (RJ45) • 1 Ethernet (RJ45) for management
Display Type	OLED x 8 / 16
Sample Rate	48 kHz
Frequency Response	150 Hz to 16 kHz (± 5 dB) acoustic, 40 Hz to 20 kHz (± 1dB) electrical
Distortion	< 2% 300 Hz to 10 kHz acoustic, <0.01% THD+N electrical
Acoustic Output	90 dB SPL @ 2 feet
Presets	8 programmable/nameable. Can be copied from unit to unit via USB or GUI software and Ethernet

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