AMP1-MADIe

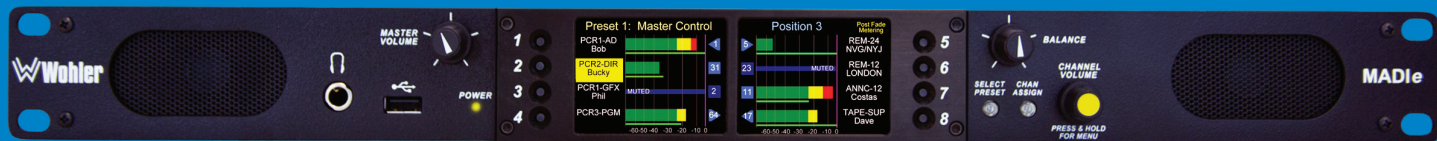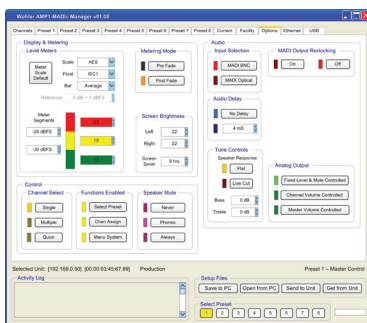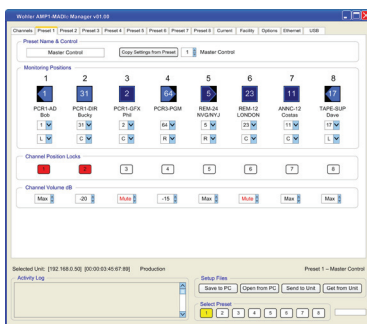## MADI Audio Monitors

Intuitive monitoring, mixing and metering of multiple MADI channels with Ethernet setup

PC Control and Configuration

Wohler has re-invented in-rack MADI monitoring and mixing with the new AMP1-MADIe, specifically designed for fast-paced OB and live-to-air production environments. The AMP1-MADIe provides intuitive metering and monitoring of MADI audio, with instant access to 8 stored configurations of any user-defined channel groups (8 each) for easy navigation between all 64 channels in a MADI stream. The AMP1-MADIe comes equipped with BNC and multi-mode optical fiber interfaces or BNC and single mode optical fiber interfaces.

In addition to its unique capabilities as a standalone MADI audio monitor and mixer, multiple units can be controlled and configured from a single PC workstation. The AMP1-MADIe supports fast configuration and use of multiple distributed units within a MADI network via an Ethernet connection with a free, downloadable software GUI. An added benefit of the AMP1-MADIe is its ability to convert between optical and BNC. It's the perfect solution for any application that requires a simple, compact system for monitoring MADI-delivered audio.

Features/Benefits:
- Fast selection and summing of multiple MADI channels
- Accepts and converts MADI signals between optical and BNC I/O
- Supports transmission up to 100m on coax cable
- Supports transmission up to 2km distance with multi-mode optical fiber version
- Supports transmission up to 20km distance with single-mode optical fiber version
- Intuitive front panel operation
- Channel names can be created and displayed for each input
- Pre or Post metering options offer maximum flexibility
- Stores and retrieves presets via USB or remote PC software control
- Master volume, channel volume and balance with quick muting
- Menu access enabled or disabled via external software control
- Channel lock to prevent local reassignment of selected MADI channels
- 8 level meters with channel select/assign and preset select
- Built-in speakers, headphone jack, USB and Ethernet ports
- Stereo analog outputs plus mono mix on balanced XLRs
- Regenerated or Re-clocked optical and BNC I/O
- Built-in universal power supply
- Compact (4.25" deep) 1-RU chassis

About MADI
MADI (AES10) is an industry-standard electronic communications protocol that defines the data format and electrical characteristics of an interface carrying multiple channels of digital audio. The main advantages of MADI are that it supports a great number of channels per line, plus transmission of audio signals over 100 meters of coax and up to 2 km of optical fiber with the multi-mode model, or up to 20 km of optical fiber with the single-mode model.
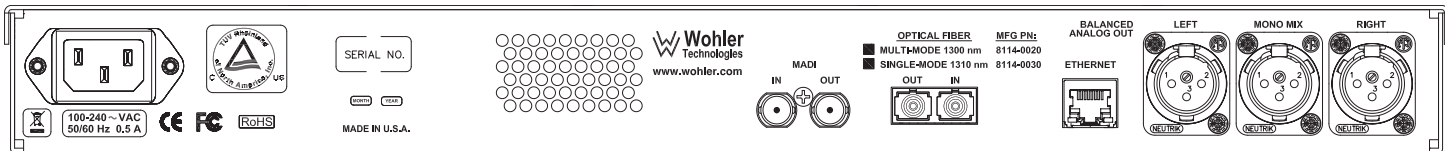
Order Part Numbers
AMP1-MADIe-MM with Multi-Mode Fiber Interface: 8114-0020
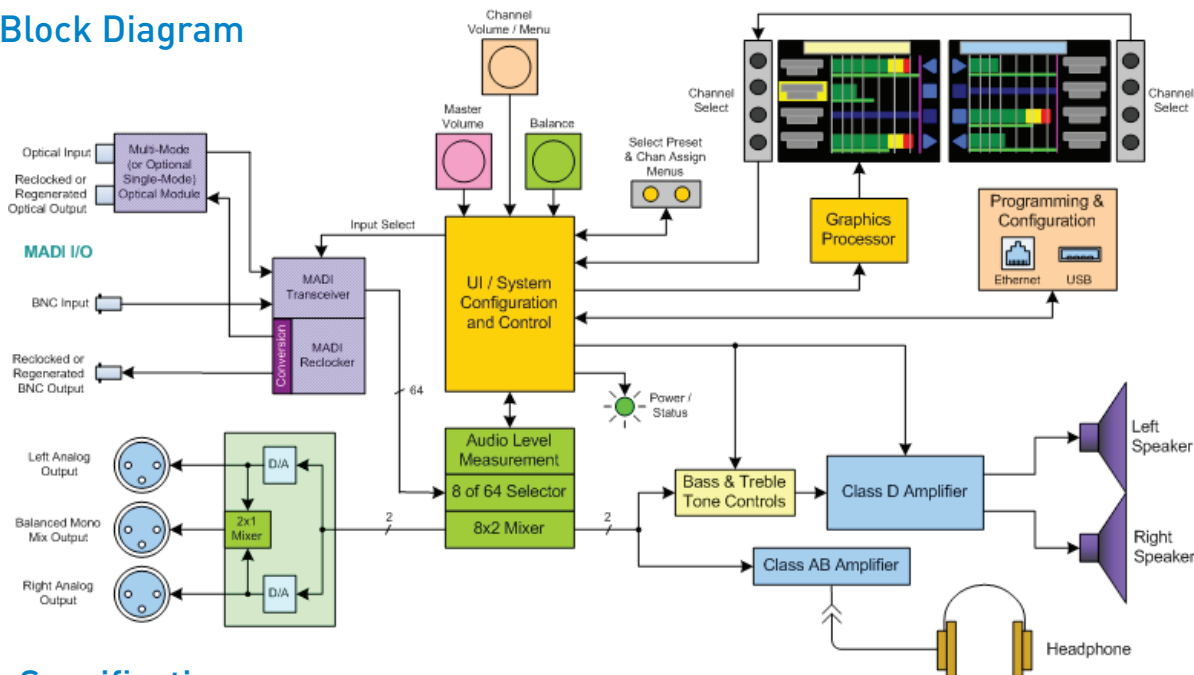AMP1-MADIe-SM with Single Mode Fiber Interface: 8114-0030

AMP1-MADIe

MADI Audio Monitors

Rear Panel

Block Diagram

Specifications

Dimensions (W x H x D)	1RU in standard 19" rack: 19" x 1.75" x 4.75" (482.6 mm x 44.5 mm x 120.7 mm)
Shipping Weight / Net Weight	7 lbs. (3.2 kg) / 5 lbs. (2.3 kg)
Power Consumption/Requirements	60 W typical • 100 to 240 VAC ± 10%, 50/60 Hz
Inputs	1 MADI optical • 1 MADI BNC • 1 Ethernet
Outputs	• 1 reclocked or regenerated MADI optical • 1 reclocked or regenerated MADI BNC • 1 headphone (1/4" jack) • 3 balanced analog audio outputs (left, mono mix, and right) (XLR-M)
Display Type	Two 2.4" TFT LCD screens
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
Level Metering	170 segments, selectable meter scales: AES, DIN, BBC, EBU, Std VU, Ext VU, Nordic, selectable thresholds, reference, segment colors, and ballistics

View complete list of specifications online at wohler.com

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