



# MADI-MON

## MADI Audio and Data Monitor



Designed for broadcast, live sound and production applications, the MADI-MON in-rack monitor enables auditioning of embedded MADI channels without the need to connect to external routers or audio consoles. In addition, MADI-MON is the first device to provide engineers with the diagnostic tools necessary to interrogate MADI streams in order to view the status of embedded channels. As a result it is also the perfect monitor for the maintenance of, or commissioning of MADI-based audio systems.

MADI-MON is fully compatible with 96 kHz, 88.2 kHz, 48 kHz and 44.1 kHz sample rates. In addition to this, the monitor is compatible with both the legacy SMUX and High Speed MADI protocols.

Providing bargraph metering for all 32 stereo pairs (64 channels), MADI-MON provides 'at-a-glance' assurance of signal presence across the complete MADI stream. Selection of the stereo-pair to be audibly monitored is very intuitive, and once selected, both channels are also metered on a pair of dedicated high-

resolution bargraph meters. For live sound or studio applications, MADI-MON can easily be configured to monitor individual channels rather than channel pairs.

The status of the MADI stream can be interrogated using the unique MADI Data display. From here it is possible to view useful information such as MADI frame data and AES status/user bits of each embedded stereo-pair. General configuration menus are also available, such as selection of sync source (including wordclock, video, AES and MADI) and sample rate converter.

In addition, MADI-MON simultaneously makes 32 pairs of balanced AES/EBU and unbalanced AES3-id available for interconnection to routers, audio consoles or any other AES equipped devices.

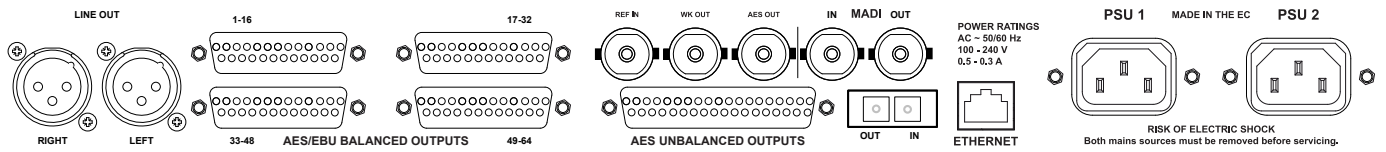
As the MADI-MON can be used 'in-line', it provides a MADI loop-through output in both optical and coaxial formats.

- 64 channel MADI audio monitor
- 44.1 kHz to 96 kHz operation
- SMUX and High Speed MADI
- Channel pair and single channel monitoring
- Fast and intuitive to use

- Switchable Sample Rate Converters
- MADI diagnostics
- Multimode fibre (Singlemode option available)
- MADI to AES conversion for all channels
- Redundant power supply as standard

CE Model  
Serial No.

**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



## Technical Specifications

MADI	
Input	1 x SC socket multi-mode (single-mode option available) 1 x Coaxial 75Ω BNC
Loop-through output	1 x SC socket multi-mode (single-mode option available) 1 x Coaxial 75Ω BNC
Format	64 channel, compliant with AES10id-2008, SMUX and High Speed.
Data Rate	125 Mbps ±25ppm
Data display	Audio data (up to 24 bit), MADI subframes, MADI channel active, AES3 subframe, AES3 block start, AES validity/user/status and parity bits, realtime sample frequency meter
AES	
AES/EBU outputs	4 x Dsub-25 female (TASCAM format) 110Ω balanced
AES3-id outputs	1 x Dsub-37 female 75Ω unbalanced
Sampling frequency	96 kHz, 88.2 kHz, 48 kHz, 44.1 kHz
Synchronisation	
Sample Rate Conversion	SRC available for all channels, switchable
Sources	Word clock, AES, Video Black-and-Burst, MADI
Video Sync input	PAL/NTSC 50/60 Hz (SD)
AES output	Digital audio signal compliant with AES3-1992
Power supply	
Type	2 x independent switch-mode regulated, auto-ranging
Inputs	2 x 90 to 264 V AC, 50/60 Hz
Power consumption	16 W
Connectors	2 x IEC with retaining clips
Physical	
Dimensions (w x d x h)	483 x 256 x 89 (mm) / 19" x 10" x 3.5"
Weight	6 kg / 14lbs

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