



MONTONE.42

RAVENNA / MADI Bridge

MONTONE.42 is a MADI (AES10) to Audio-over-IP bridge which is equipped with four MADI and two gigabit network ports.

As the demand for Ethernet based transmissions in professional audio environments is increasing, MONTONE.42 provides seamless integration of network audio with existing infrastructures.

Based on the **Ravenna** network standard and **MADI** (AES10) it serves as a versatile link for broadcast, live-sound and studio applications.

Synchronization

MONTONE.42 can be synchronized to MADI input, word clock, video input (black burst), network (PTP) or internal clock. When set to internal clock, the device may also serve as a **network grandmaster**. The achieved clock accuracy complies with **AES11** throughout the whole network.

Compatibility

The AES just released a new interoperability standard for network audio: **AES67**. An AES67 compatible profile is available in MONTONE.42 to ensure seamless integration with other audio-over-ip devices. Beyond that, native Ravenna profiles can be used for e.g. high-performance transmission at minimum latency.

Streaming

Assemble up to eight streams with an individual number of audio channels from the MADI inputs via the integrated routing matrix. Subscribe to another eight streams and convert the incoming audio channels to MADI.

64 channels are supported even at higher sample rates (96 kHz).



Remote control

A **java based remote control** software can be accessed through the network interface to configure network streams, audio routing and all device settings.

Basic settings are also adjustable via a local interface on the front panel.

Safe operation

Both network ports as well as the MADI inputs can be configured as redundant inputs with **automatic fail-over switching**. MONTONE.42 offers highest reliability through **two phase-redundant power supplies** with inlets and switches on the rear panel.

Technical Details

MADI Port (I/O)*:	4 x SC-Socket multi/single-mode
Network:	2 x RJ45 Socket (Gigabit-Ethernet)
Video reference input:	coaxial BNC (75 Ω termination switchable) black burst (PAL / NTSC)
Word clock (I/O):	2 x coaxial BNC (75 Ω termination switchable)
Supported sample rates: MADI Formats (I/O):	44.1, 48, 88.2, 96, 176.4, 192 kHz 48k Frame, 96k Frame, 56/64 channel, S/MUX
USB:	USB 2.0 for firmware updates
Remote Control:	Java based remote control software, connected via Ethernet
Power supply:	2 x 84 V to 264 V AC / 47 Hz to 63 Hz / safety class 1
Dimensions:	Width 19" (483 mm) Height 1 HU (44.5 mm) Depth 10" (254 mm)
Weight:	about 4 kg

* device variants on request: coaxial BNC, 75 Ω
SFP (empty cage without module)



D.O.TEC[®] and DirectOut Technologies[®] are registered trademarks of DirectOut GmbH
All products are subject to change without notice
All rights reserved, Copyright by DirectOut GmbH, February 2014
www.directout.eu