



MADI.SRC

Product description – The MADI.SRC enables the highest quality real time sample rate conversion of a complete MADI stream (64 audio channels), with excellent audio quality. The device supports all source and destination sample rates from 44.1 kHz to 192 kHz, for all MADI formats (48k/96k Frame, 56/64 channels).

Inputs and outputs are provided as optical connectors (SC multi-mode), and work in parallel; both outputs carry the converted input signal. If required, the input and output signal format can be converted from optical to coaxial or vice versa by using the SPLIT.CONVERTER.

Synchronisation can be achieved via Word Clock or AES3id (AES11), Video Reference (PAL and NTSC), the MADI input signal, as well as an internal clock.

By activating the innovative Split Mode, inputs and outputs can be used in combination to allow for the conversion of more than 32 (@ 96 kHz) or 16 (@ 192 kHz) channels, depending on the SRC's setting.

With its bidirectional mode ('2-way'), the MADI.SRC offers the possibility to convert the sample rate simultaneously in both directions with just one unit. This mode allows sample rate conversion of up to 48 channels in one direction and 16 channels in the other - so this feature is perfect for applications where not all available inputs and outputs are required.

The MADI.SRC offers the highest standard of reliability by the use of two phase-redundant power supplies; power inlets and switches are on the rear panel. For easy remote access, the MADI.SRC features a USB port, which allows for remote control via Windows software.

Application examples – The MADI.SRC can be used wherever sample rate conversion with highest audio quality is required. The stream is processed in real time and all output channels are phase and sample accurate with reference to each other.

Because of its comprehensive features, the MADI.SRC is also a versatile device beyond ‘simple’ sample rate conversion. For example, in a situation where two digital systems cannot access, or will not use, the same word clock source. Here the MADI.SRC can be used as decoupling unit to connect both asynchronous systems without any loss of audio quality.

With the SRC switched off, the device works as a simple format converter, and provides different MADI formats at the output ports (48k/96k Frame, 56/64 channels).

Technical Specifications

▪ MADI ports (input/output)	SC-Socket multi-mode
▪ Wordclock input	Coaxial BNC (75 termination switchable)
▪ Video reference input	BNC (75 termination switchable), Black-Burst (PAL, NTSC)
▪ Supported Sample Rates	44.1, 48, 88.2, 96, 176.4, 192 kHz +/- 12,5%
▪ MADI-Formate (E/A)	48k Frame, 96k Frame, 56/64 Kanäle, S/MUX
▪ Remote	USB 2.0
▪ Power supplies	2 x 84 V to 264 V AC / 47 Hz to 63 Hz / safety class 1, phase redundant
▪ Dimensions	Width 19" (483 mm) Height 1 RU (45 mm) Depth 10" (254 mm)
▪ Weight	About 6.6 lb (3 kg)

Correct as of September 2009. Subject to change without prior notice, no responsibility is taken for the accuracy of the details provided.
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