MADI.9648

BIDIRECTIONAL MADI SAMPLE RATE CONVERTER

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UP AND DOWN!

MADI.9648
is a MADI sample rate converter with four independent SRC blocks for bidirectional conversion of 128 audio channels.

Equipped with eight MADI ports it features low latency conversion between 2 FS (88.2/96 kHz) and 1 FS (44.1/48 kHz).

A 1 FS MADI stream with 64 audio channels is converted into two 2 FS MADI streams with 32 channels each of. Vice versa two 2 FS streams are converted and combined into a single 1 FS stream, that is output via both BNC and SC.

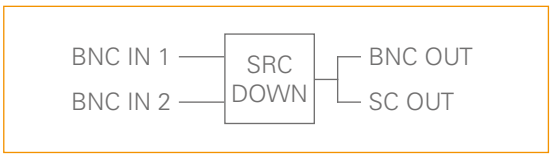
This enables an easy-to-handle integration of external equipment with actual live consoles with 96 kHz processing.

TECHNICAL DETAILS

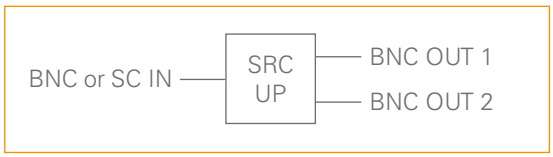
MADI Ports (I/O):	2 x SC-Socket multi/single-mode 6 x coaxial BNC, 75 Ω
Sample Rates:	44.1, 48, 88.2, 96 kHz (+/- 12,5%)
SRC Channels:	2 x 64 channels (1 FS to 2 FS) 2 x 64 channels (2 FS to 1 FS)
MADI Formats (I/O):	48k Frame, 96k Frame, 56/64 channel
USB:	USB 2.0 for firmware updates
Power Supply:	2 x 84 V to 264 V AC / 47 Hz to 63 Hz / safety class 1
Dimensions:	Width 19'' (483 mm) Height 1 RU (44.5 mm) Depth 7.8'' (200 mm)
Weight:	about 3 kg

Scheme*

2 FS to 1 FS



1 FS to 2 FS



* each SRC block is provided twice

Plug'n Play
There is nothing to adjust – a fixed signal routing and automatic signal detection of frame format (48k/96k Frame) and channel mode (56/64 ch) facilitate the installation. The 2 FS output is set to 96k Frame (no S/MUX).

Flexibility
There is no common clock source needed. Each SRC block is clocked by it's MADI input enabling the conversion of signals that are not in sync to each other.

Versatility
MADI.9648 features six BNC ports which are mostly deployed in live consoles. Two optical SC ports extend the connection scenario for 1 FS signals.

An integral USB port enables firmware updates for future enhancements.

Safe operation
The device is equipped with two phase-redundant power supplies to ensure maximum reliability.

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