

# EXBOX.64

MADI RECLOCKER & CONVERTER



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**DirectOut**  
TECHNOLOGIES

**EXBOX.64**

is an active signal converter and re-clocker for MADI signals. Two MADI I/Os (1 x optical SC and 1 x coaxial BNC) enable MADI signals to be converted from optical to coaxial and vice versa.

The input signals, which are not required to be in sync with each other, are cross patched to the corresponding output.

The output signal is re-clocked at the output, thus refreshing the signal for cable length extensions.

**Bit transparent**

The frame structure of the input signal is kept unchanged. This means that even proprietary adaptations of MADI (AES10) will pass through the unit in their native state.

**Noiseless**

No signal will be output unless a valid input signal has been detected at the corresponding input port.

**Service**

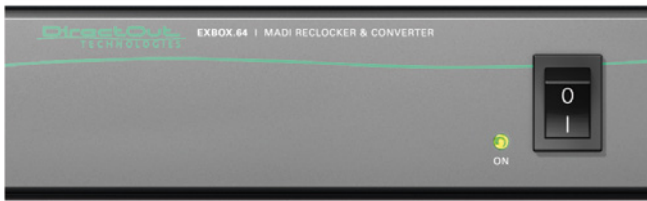
The device can be updated with a new or customised firmware via the integral USB port.

**TECHNICAL DETAILS**

MADI Ports (I/O):	2 x SC-Socket multi/single-mode or 1 x SC-Socket multi/single-mode 1 x coaxial BNC, 75 Ω
Sample Rates:	44.1, 48, 88.2, 96, 176.4, 192 kHz
MADI Formats (I/O):	48k Frame, 96k Frame, 56/64 channel, S/MUX
USB:	Mini USB 2.0 for firmware updates
Power Supply:	2 x Hirose DC input (7- 24 V)
Dimensions:	Width 140 mm Height 42 mm Depth 140 mm
Weight:	about 0.8 kg

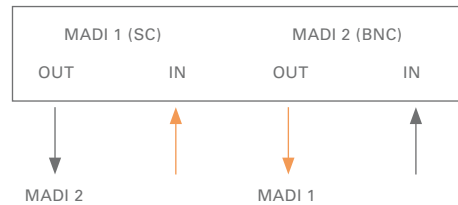
**Safe, reliable operation**

Two robust Hirose sockets are available to plug in up to two external power supply units or battery packs for safe operating conditions with redundancy.



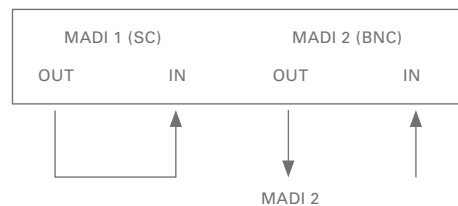
**Signal Conversion**

The input signal from MADI 1 input (optical) is fed to MADI 2 output (coaxial). MADI 2 input (coaxial) is fed to MADI 1 output (optical).



**Range extension**

The output signal of the coaxial port is refreshed electrically. As a result, the BNC cable range from the optical I/O may be extended if necessary with no loss of signal quality.



Port Configurations:

