

EXBOX.BLDS

MADI REDUNDANCY SWITCH



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DirectOut
TECHNOLOGIES

ENHANCED SIGNAL CONTROL!

EXBOX.BLDS

is a sophisticated MADi redundancy switch for production environments with advanced reliability requirements. In addition to the standard change-over from one input to the other in the case of a loss of the MADi signal, the unit incorporates a unique feature from DirectOut, the Buffer Loop Detection System™.

Enhanced Signal Control

The Buffer Loop Detection System™ is used to detect silence or a corrupted input signal- e.g. caused by an application hang of the playout system (repeating buffers) or stuttered playback due to system overload.

A provided software tool creates a .wav file containing a low level signal which is inserted into the MADi stream. The artificial design of the Buffer Loop Detection Signal enables reliable and inaudible switch-over within one sample.

Input Switching

The MADi input can be switched manually by a push button on the front panel of the device. Different redundancy modes (prioritisation of inputs) offer the means to adjust the trigger behaviour of EXBOX.BLDS.

GPI/GPO

Four GPIs and four GPOs are accessible via DSUB-9 connectors. The GPIs may be used to select the MADi input or to trigger a switch-over. GPOs provide monitoring of the current input and switching state.

Service

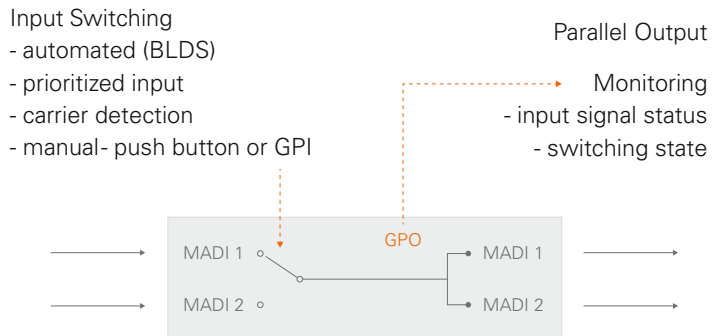
The device can be updated with a new or customised firmware via the integral USB port.

Safe 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.

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
GPI/O:	4 x Voltage input via DSUB-9 female 4 x FET switch via DSUB-9 female
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



Port Configurations:

