

DUAL SWITCH

Programable Audio Switcher



Dual Switch is extremely easy to program using the display and the encoder on the front panel.

Dual Switch is equipped with a system of By-pass passive (Relay) able to "bypass" directly to the control circuit and switching, connecting the main entrance (MAIN) at the output (OUT) in the event of failure of the device extended or in case of power failure (unless this option Back-Up).

Dual Switch is equipped with an auxiliary output stereo, on RCA pin connectors to allow any connection to recording devices and a monitor output MPX that replicates the output resulting from switching MPX.

Dual Switch is able to accept external commands normally closed or normally open, inputs are optically isolated, Dual Switch, through the Logic I/O port, provides commands optocoupled output that repeat the status of the switches and the internal audio Stereo MPX.

The state of the photocoupler output is normally open.



Technical details

Inputs Stereo (Main, Sub)

Analog audio input configuration
Input Impedance
Common mode rejection
Connectors

Electronically balanced Left & Right
10 K Ω
Greater than 50 dB (30 Hz 15 KHz)
XLR Female

Output Stere

Analog audio output configuration
Output level
Connectors

Electronically balanced Left & Right
As Input Level in Transparent Mode,
XLR Male

Inputs MPX (Main, Sub)

configuration
Composite input level
Impedance
Connector

Unbalanced
0 dBu
10 K Ω
BNC grounded to chassis

Output MPX

MPX Output configuration
Composite output level
Connector

Unbalanced
As Input Level in Transparent Mode
BNC grounded to chassis

Monitor Stereo Output

Output configuration
Output level
Output Impedance
Connectors

Unbalanced
As Input Level
100 Ω
PIN RCA

Monitor MPX Output

Output configuration
Output level
Output Impedance
Connectors

Unbalanced
As Input Level in Transparent Mode
50 Ω
BNC grounded to chassis

LOGIC INPUT

Configuration
Typical Voltage input
Max Reverse Voltage
Connector

Opto-coupled (with internally 330 Ω protection)
5 Vdc (for 10 mA input)
5 Vdc
DSUB 15 pole female

LOGIC OUTPUT

Configuration
Max Voltage
Max Current
Connector

Optic solid state relay
50 Vac/dc
100 mA
DSUB 15 pole female

RS232 SERIAL CONNECTION

Connector DSUB 9 pole female

USB SERIAL INTERFACE

Connector USB B

General Specifications

Stereo Separation degradation
Distortion @ 1 KHz
Signal to noise ratio
Power requirement
Consumption
Power supply
Dimension
Weight
Operating Temp.

< 1 dB
< 0,01%
< 85 dB (CCIR)
90 - 264 V ~ 50 - 60 Hz
4 W
max power 8 W
(WxHxD) 48,3 x 19,4 x 4,4 cm 1 rack unit
2,5 Kg. (5.5 Lbs)
0 ÷ 50° C.

