

Audio Switcher MCX1

Description

The MCX1 audio switcher is a 24x1 mono or 12x1 stereo, 1U, 19" rackmount switcher with an integral power supply. It can be controlled in a number of ways: by front panel rotary encoder, remote rotary encoder or parallel binary. Two versions are available: the MCX1N, with a two digit numeric display and the MCX1S, which has an eight character alphanumeric display and offers the added flexibility of RS232 PC control.

Features:

Inputs & Outputs: Twenty four audio inputs via a rear panel 56 way Varicon and two electronically balanced outputs via rear panel XLRs. The switcher can be configured with internal headers to be either a 24x1 mono switcher or a 12x2 stereo switcher.

Rotary Encoder Control: Often, the most expensive part of a matrix system is the control panel. The MCX1 features a novel control system: a simple shaft encoder with positive detents selects the required source and the display shows the source selected. As the encoder has continuous rotation the sources can be rolled over.

RS232 PC control: The MCX1S can be controlled from a PC using an RS232 serial data link. In this mode, the MCX1S can provide mixing operation: multiple sources can be selected, giving a mixed output.

Remote Control: The MCX1 is available with either front panel control or a remote module for user installation into existing equipment. Remote connection should be with screened six core data cable, maximum length 30m. The screen should be connected to 0V.

Parallel Binary Control: In order to interface with existing control systems, the MCX1 can also accept parallel binary data. In this mode the switcher can be supplied to operate as a sixteen input mixing matrix (please call for further details).

Reprogrammable Source Name Display: The MCX1S has an eight character alphanumeric display, showing source names, which are stored in an EEPROM. They can be reprogrammed by the user, using a PC and Audionics control software. A two digit numeric display version (MCX1N) is also available.

Options:

Output Transformers: The MCX1 can be supplied with optional transformer balanced outputs.

Customised Operation: As the MCX1 audio switcher is software controlled, it is possible to customise its operation. For instance, as the unit can operate as a mixing matrix, a combination of mixes can be pre-programmed, each one identified by an alphanumeric description. The rotary encoder is then used to select the required mix. (Please call to discuss your requirements)

The MCX1 can be configured for a wide variety of audio systems including transmission selectors, outside source selector, monitoring panels or workstation selectors. Thanks to the simplicity of the control and display remote modules it provides a straightforward way to install source selection into existing equipment.

Key Features

24 x 1 Mono or
12 x 1 Stereo

Front panel control with alphanumeric display (MCX1S) or numeric display (MCX1N)

Remote control modules available

PC Control Software



31 JESSOPS RIVERSIDE
SHEFFIELD
S9 2RX
ENGLAND
TEL +44 (0)114 242 2333
FAX +44 (0)114 243 3913
email info@audionics.co.uk
Web www.audionics.co.uk



Ordering Information

To assist us in processing your order accurately, please complete the following form.

Rotary Encoder: Local Remote **Display:** MCX1S (alphanumeric) MCX1N (numeric)

For MCX1S alphanumeric displays, please supply source names in the table below.

Stereo & Mono								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Mono Only								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								

Text Justification: Left Centre Right

Technical Specifications

Input Impedance	20k ohms
Maximum Input	+26dBu
Output Impedance	50 ohms
Maximum Output	+26dBu
Output Gain Adjust	⊖6dB
Crosstalk	<-90dB at 10kHz
Frequency Response	⊖0.5dB, 20Hz-10kHz
Distortion (THD + Noise)	<0.005%, 1kHz at +20dBu output
Noise	<-85dBu peak, 20Hz-20kHz
Dimensions	1U (44mm) high, 245mm deep
Power	220-240V, 20W
Weight	5kg

MCX1