

Digital Audio Mixing Matrix MM64D

Description

The MM64D digital mixing matrix is a 6x4 AES/EBU mixer housed in a 1U rackmount case with integral mains power supply. The unit offers an economical solution for combining up to six digital audio feeds in any permutation to four separate outputs.

Features:

Inputs

Six AES transformer isolated inputs, which can be individually selected to feed any or all of four digital mixing busses by means of on board switches. All inputs are sample rate adjusted to the reference frequency. Inputs are via rear panel mounted XLR connectors.

Outputs

Four AES transformer outputs on rear panel XLR connectors. Each output has an independent gain attenuation of -10dB in 1dB steps.

Reference Frequency

The MM64D can be referenced to one of three reference frequencies:

External AES/EBU reference via rear panel XLR.

External word clock via rear panel D-type connector

Internal 48kHz clock.

The required clock is selected by on board header. If the MM64D is referenced to one of the external signals and it should fail, the unit will automatically switch to its internal 48kHz clock to preserve signal path.

Status Indicators

Front panel LEDs give status indications for:

Locked AES input.

AES receiver errors.

Selected reference frequency.

Remote Control

The MM64D has an RS485 port to enable remote control from custom designed panels.

Key Features

6 AES Inputs

4 AES Outputs

Inputs feed any or all outputs

Sample rate conversion

External reference inputs

Front panel status indicators



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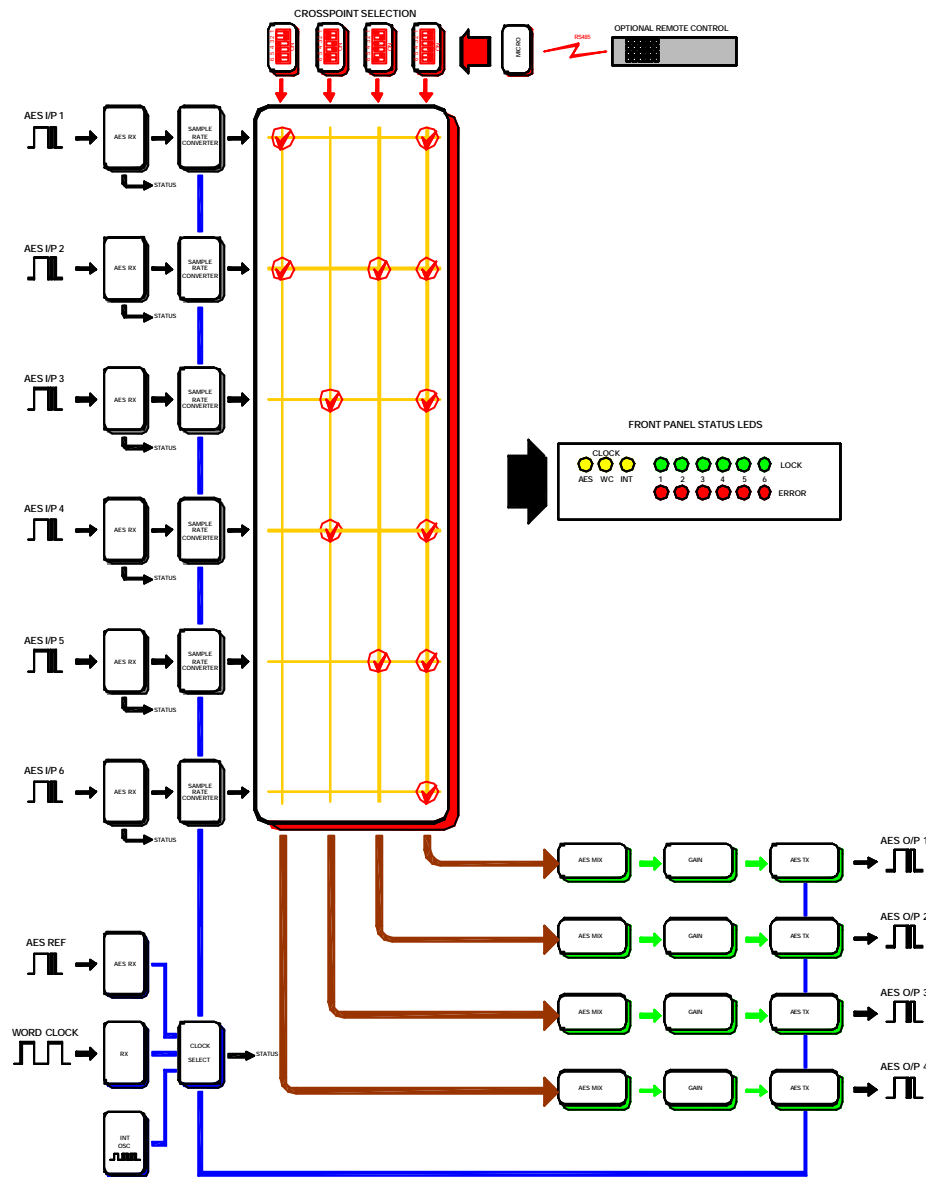
PETRE DRIVE
SHEFFIELD
S4 7PZ
ENGLAND
TEL +44 (0)114 242 2333
FAX +44 (0)114 243 3913
email info@audionics.co.uk
Web www.audionics.co.uk

Applications

The flexible nature of the MM64D makes it useful in many digital audio applications including zone mixing, audio distribution, cue feed generation or split transmission programme combiner. With the remote control option it is a versatile small digital audio transmission or general purpose router.



MM64D System Diagram



Technical Specifications

Input & Output Impedance
Input Level Sensitivity
Output Jitter
Propagation Delay
AES Reference Input
Word Clock Input
Dimensions
Power
Weight

MM64D

Transformer balanced – 110 ohms
200mV peak to peak
<4nS peak
<50us
32-96kHz
5V, 32-96kHz, 75ohm
1U (44mm) high, 245mm deep
220-240V, 20W
5kg

Specification and designs are subject to change without prior notice for the purposes of improvement. E & OE