

# 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.

## 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.

## Key Features

6 AES Inputs

4 AES Outputs

Inputs feed any or all outputs

Sample rate conversion

External reference inputs

Front panel status indicators

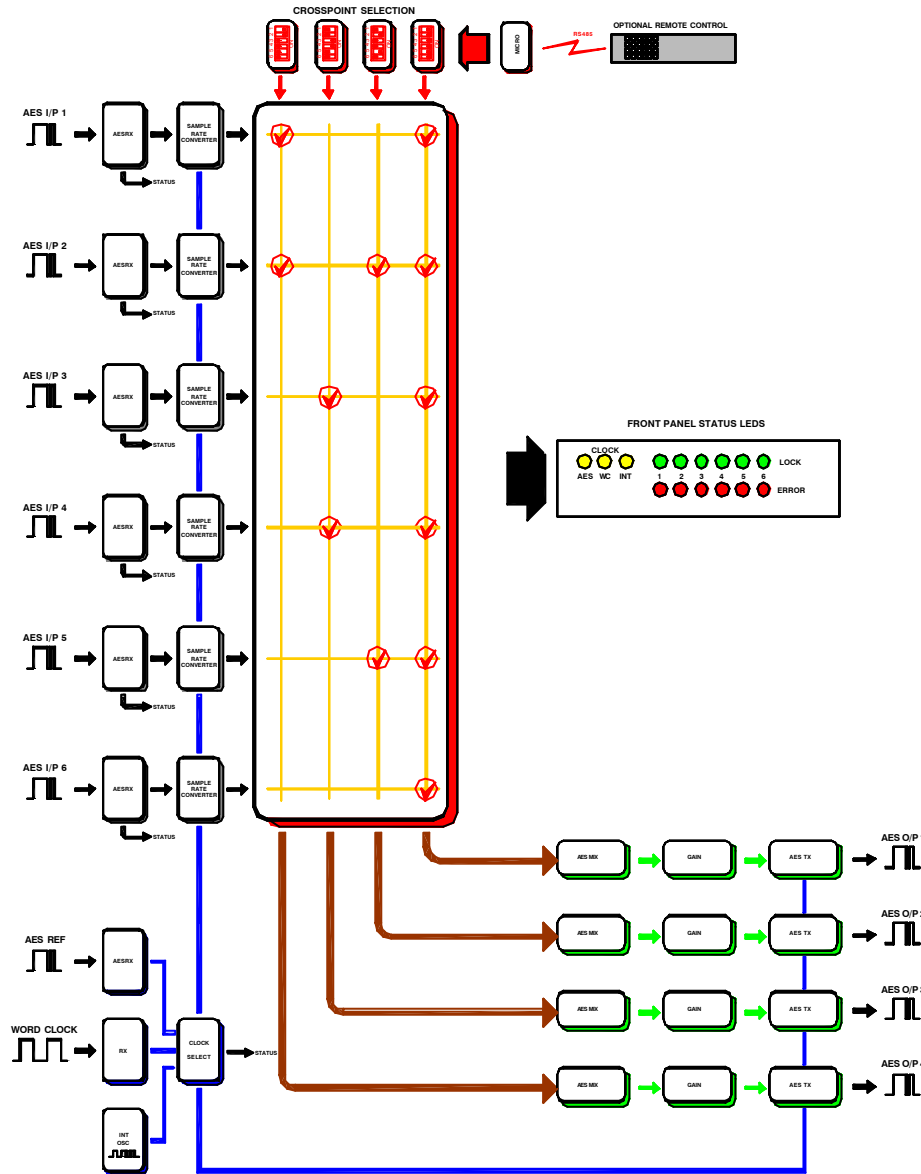


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# MM64D System Diagram



## 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