



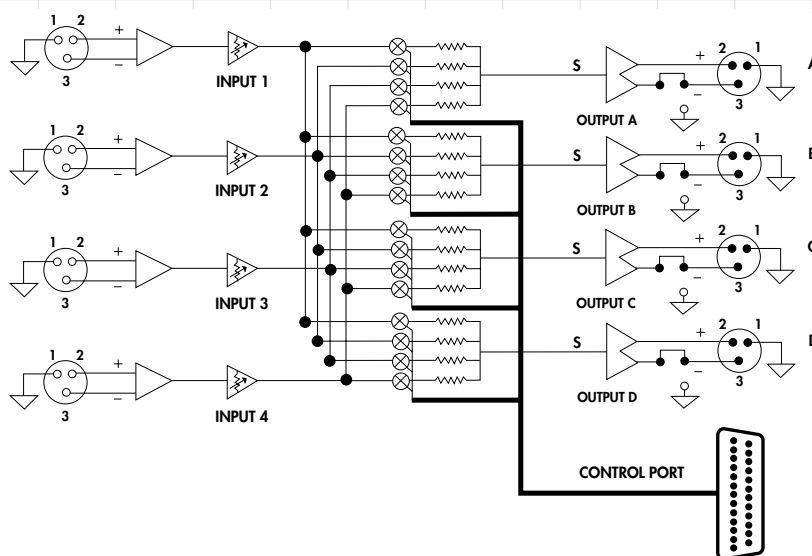
## RMX-44/RMX-44T & RMX-62/RMX-62T MIXING MATRIX SYSTEMS

The Oxmoor RMX-44™ and RMX-62™ Mixing Matrix Systems offer a unique, high-quality solution for many audio routing and combining applications.

For enhanced flexibility, all input/output assignments can be controlled remotely via switch closures. Now you can alter and modify signal routing within a complex sound system from a central location.

Configured as a 1U rack-mount device, the RMX-44 is a four-input/four-output combination signal buffer, mixer and distribution amplifier. All inputs can be individually adjusted in level, and combined together to feed any or all outputs. The RMX-62 is virtually identical to the RMX-44 except that it offers six inputs and two outputs.

Potential applications include combining four or six inputs for zone mixing, and providing



*Oxmoor's RMX-44 Mixing Matrix*

simultaneous stereo and mono feeds from different input assignments.

High and low input/output levels can also be freely intermixed, allowing semi-pro and professional equipment to be used in a sound system without additional interface units.

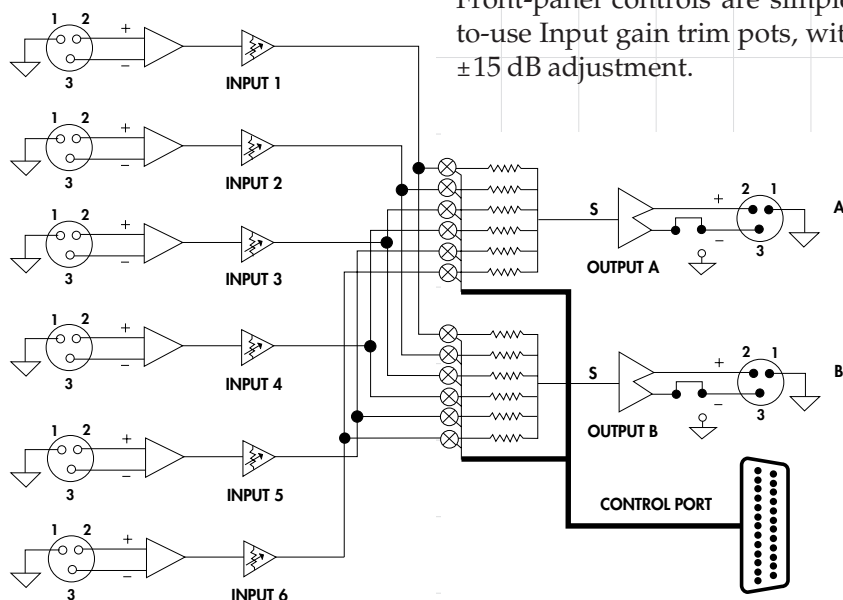
Front-panel controls are simple-to-use Input gain trim pots, with  $\pm 15$  dB adjustment.

Rear-panel, electronically balanced inputs and outputs use reliable XLR connectors. The RMX-44T and the RMX-62T provide output isolation transformers. While the nominal input signal level range is -10 to +8 dBu, the units are capable of handling +24 dBu signal levels. Each output can be unbalanced independently using internal jumpers.

A rear-panel, 25-pin Control Port provides individual access to each of the input/output matrix assignment crosspoints. All that is required to route any input to a chosen output is a switch closure.

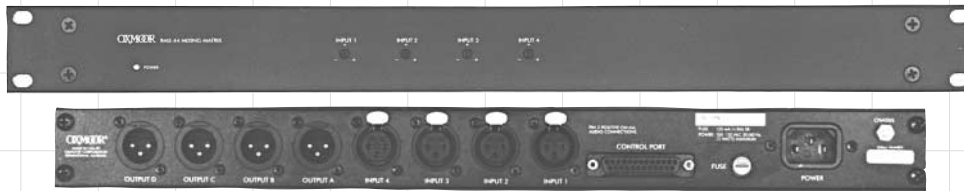
Like all Oxmoor products, the RMX-44 and RMX-62 are built for enhanced reliability. The bottom line is simple: both the RMX-44 and RMX-62 pack a great deal of operational flexibility into a small amount of space.

*For more information on any Oxmoor product, please contact the Oxmoor Sales Department. Or download complete product brochures and manuals at our website: [www.oxmoor.com](http://www.oxmoor.com).*



*Oxmoor's RMX-62 Mixing Matrix*

# RMX-44/RMX-44T & RMX-62/RMX-62T SPECIFICATIONS



<b>FREQUENCY RESPONSE</b>	20 Hz to 20 kHz ..... +0, -0.3 dB -3 dB Points, Ref. 1 kHz ..... 4 Hz to 70 kHz (+4 dBm Output)
<b>HUM AND NOISE</b>	Ref. +4 dBm Output @ Unity Gain ..... -85 dB (20 Hz to 20 kHz, Unweighted)
<b>DISTORTION</b>	Total Harmonic (THD + NOISE) Ref. +4 dBm Output @ Unity Gain ..... -80 dB/0.01% (20 Hz to 20 kHz) Intermodulation (IMD)* Ref. +4 dBm Output @ Unity Gain ..... -80 dB/0.01%
<b>CROSSTALK &amp; OFF ISOLATION</b>	Channel to Channel** ..... -80 dB (20 Hz to 20 kHz) Driven Input to Off Output ..... -80 dB (20 Hz to 20 kHz)
<b>INPUTS</b>	Type ..... Electronically Balanced (RF Suppressed) Connectors ..... Female XLR Input Impedance ..... 80 k Ohms Maximum Input Level ..... +24 dBu
<b>OUTPUTS</b>	Type ..... Electronically Balanced Connectors ..... Male XLR Source Impedance ..... 150 Ohms (75 Ohms Each Side) Recommended Load Impedance ..... 600 Ohms or Greater Maximum Output Level (Ref. 1 kHz @ rated THD) Terminated w/ 600 Ohms ..... +24 dBm Unterminated ..... +26 dBu
<b>TRIM POT GAIN RANGE</b>	Ref. 0 dBu Output ..... $\pm 15$ dB
<b>CONTROL PORT</b>	Input Type ..... Active Low, Internally Pulled Up to +15VDC Input Protection ..... 1/2 Max. Line Voltage, 12 kV Static Logic Action ..... Requires Maintained Closure To Common Connector ..... Female 25 Pin Std. D-Sub Logic Levels (At Control Port) ..... Low < 3 Volts, High > 7 Volts Maximum Paralleled Inputs ..... 64 Maximum Sink Current ..... 50 mA Maximum Cable Length ..... 600m (2000 ft), #22 AWG Switching Time ..... 100 ms Power Output ..... +15 VDC $\pm 0.1$ V, 50 mA
<b>TURN ON DELAY</b>	Power Up Delay ..... 2 sec $\pm$ 0.25 sec
<b>MAINS POWER</b>	Power Requirements ..... 100 to 125 VAC or 200 to 230 VAC 50/60 Hz; 13 Watts Maximum Fuse Type ..... 125 mA (1/8 amp) SB @ 115 VAC 63 mA (1/16 amp) SB @ 230 VAC
<b>MECHANICAL</b>	Overall Dimensions ..... 44 H x 482 W x 183 D mm (1.72 H x 19 W x 7.18 D in) Finish ..... Textured Black Paint Weight ..... Shipping: 3.8 Kg (8.5 lb) Net: 3.1 Kg (6.9 lb)
<b>ACCESSORIES</b>	Supplied with unit ..... One DB-25 Male Connector
<b>LISTING</b>	UL & CE



\*SMPTE Method; 60 Hz + 7 kHz mixed 4:1. \*\* Input terminated w/600 ohms, unity gain, adjacent channel driven to +4 dBm output.  
Specifications subject to change without notice.

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