

# MS824

## 8 Channel 1:5 Active Mic Splitter



### PRODUCT OVERVIEW

The MS824 is an 8 channel 1 into 4 Unity Gain Active Microphone Splitter designed for applications where multiple feeds are required from one set of microphones without the signal degradation experienced with passive splitting solutions. The exceptional dynamic and line driving performance maintain Unity Gain on all feeds. The importance of this cannot be overstated as it allows the last minute hook up of, for instance, and OB van, without any need for recalibration.

Each of the MS824's channels has four independently buffered floating outputs allowing problem free connection to other audio systems. A fifth dedicated Link output is provided for the front of house feed. A pad switch allows the channel to handle line levels and switchable Phantom Power is provided with a Phantom Presence LED. The electronically balanced input may be transformer buffered as an option.

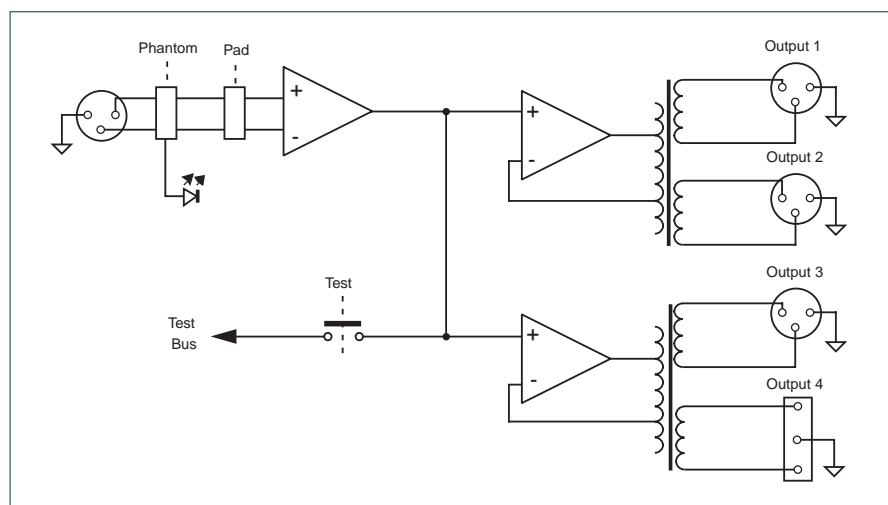
A monitor button on each channel momentarily connects the input to the Monitor module (one required for each system) which facilitates both headphone and visual monitoring of input signals via a 10 segment LED bargraph. The headphone circuit features dynamic enhancement and control to ensure that the quietest signals (for instance unused but open mics) can be detected, while also limiting high level signals.

The MS824 may also be specified with power failure bypass relays and, to ensure the highest quality signal is maintained during power failure, passive splitter transformers may also be fitted.

The front panel of the MS824 gives access to the Input, Link and three of the Output XLRs as well as Phantom, Pad and Monitor switching. All connections can be duplicated on a number of multiway options on the rear panel.

For larger installations MS824 units may be daisy chained with one external power supply required for up to eight standard units, or up to four units fitted with power-fail relays. The system allows the connection of a spare PSU.

### BLOCK DIAGRAM



In keeping with our policy of continuous improvement LA Audio reserves the right to alter specifications without prior notice. Manufactured in the UK by LA Audio, 6-24 Southgate Road, London, N1 3JJ. Tel: +44 (0)207 923 7447, FAX: +44 (0)207 241 3644. Web: [www.laaudio.co.uk](http://www.laaudio.co.uk). email: [sales@laaudio.co.uk](mailto:sales@laaudio.co.uk)  
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**MS824****8 Channel 1:5 Active Mic Splitter****SPECIFICATIONS SPECIFICATIONS****ELECTRICAL**

Frequency response: 20Hz to 20kHz,  
+0, -0.5dB  
Input Impedance: 2k  
Maximum Input Level: 0dBu (+20dBu with Pad)

Output Impedance: < 2R  
Load Impedance: >150R  
Gain: 0dB (-20dB with Pad)

Equivalent Input Noise:-122dBu  
THD: < 0.01%  
1kHz, 150R load  
Bargraph Calibration: -60dB to +20dB

Headphone Output: 2 x 0.125W, 8R - 600R  
Power Requirement: ±17V bipolar, +48V

**PHYSICAL**

Input Connector: XLR 3 Pin (Pin 2 hot)  
Output Connector: XLR 3 Pin (Pin 2 hot)  
Interconnection: \*34 way centronics cable

**\*Audio and Regulated Power**

Dimensions (mm): 483 (19") W  
165 (6.5") D  
178 (7") H (4U)  
Weight: 11kg, 24lbs  
Shipping Weight: 11.5kg, 25.2lbs

Temperature Range: Operating: 0°C to 50°C  
Storage: -30°C to 75°C

**EXTERNAL PSU**

Power connection: Detachable lead  
IEC 3 pin socket

Dimensions (mm): 483 (19") W  
165 (6.5") D  
89 (3.5") H  
Weight: 4.8kg, 10.5lbs  
Shipping Weight: 5.3kg, 11.5lbs

Power Requirement: 190VA,  
115/230V AC, 50/60Hz

**ARCHITECTS & ENGINEERS SPECIFICATIONS**

The Microphone Splitter shall be an active Unity Gain design offering 8 channels of 1 into 4 signal splitting. All four main feeds shall be fully floating transformer buffered. A dedicated direct link output shall also be provided.

Each channel shall incorporate switchable Phantom Power with a Phantom Presence LED, and a Pad switch shall provide 20dB of attenuation for Line level compatibility.

A monitor switch on each channel shall provide direct monitoring of the input signal via the Master Module which shall output both an audio signal via a headphones socket and visual indication via a 10 segment LED bargraph.

Access to the Input, Link and three outputs shall be facilitated on front panel XLR connectors and all connections shall be available via multipin connector options on the rear panel of the unit.

The Microphone Splitter shall be expandable by daisy chaining and shall be externally powered by PSU's capable of power sharing. As an option, the Microphone Splitter shall have the facility to fit Power Fail bypass relays and Passive Splitter transformers.

The Microphone Splitter shall be the LA Audio MS824.

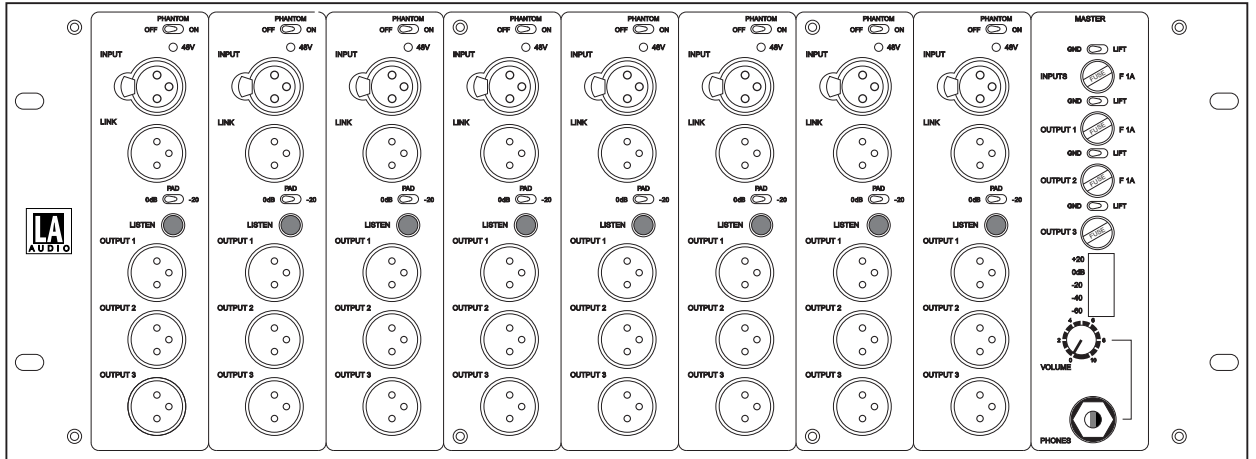


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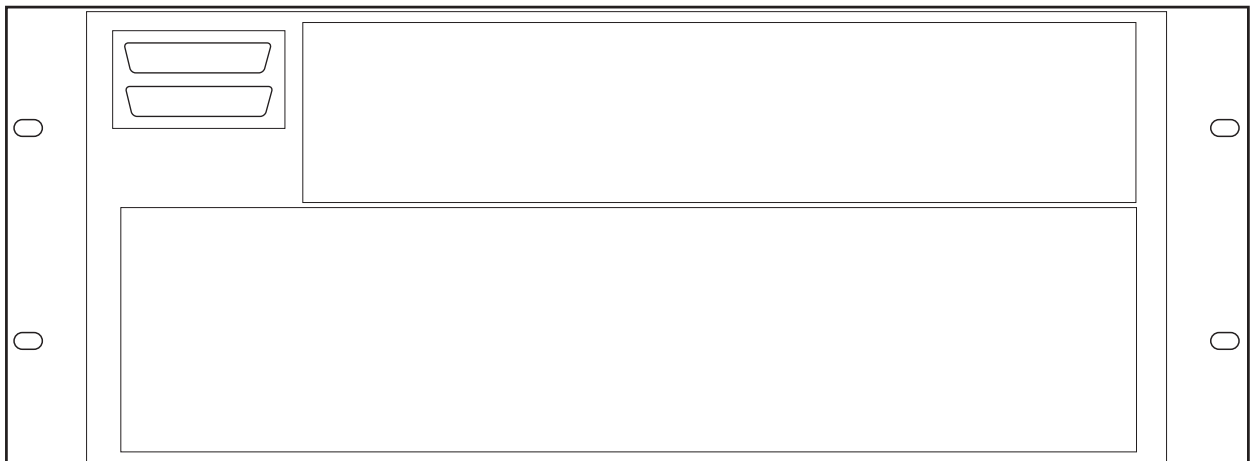
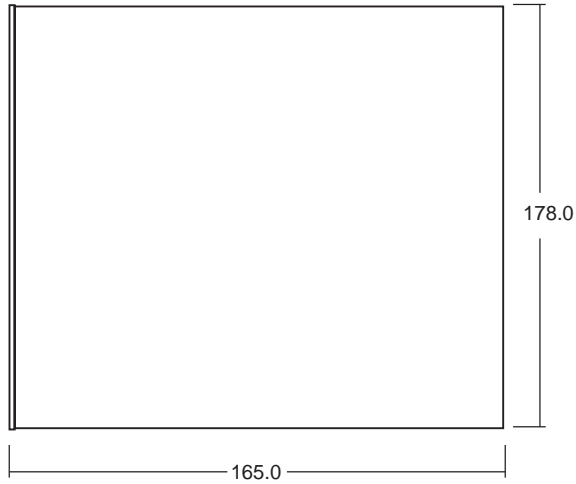
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