

# MLA-6

## MICROPHONE MIXER

### TECHNICAL DATA SHEET

#### DESCRIPTION

The MLA-6 is an audio mixer with six inputs and one output. It is designed to combine up to six microphones (or up to four speaker/microphones) to expand the listening area of an audio monitoring zone. Located in the remote area (near the microphones), the MLA-6 contains a line driver amplifier to compensate for amplitude loss and allows for cable runs up to 5,000' between the MLA-6 and Louroe Base Station. For a cable run over 1,000', 12 Vdc power is required at the MLA-6. If under 1,000' MLA-6 is phantom powered from the Louroe Base Station.

NOTE: The MLA-6 is not a 6 zone base station, it is for combining up to six microphones (or four speaker/microphones) into one audio zone.

#### POWER SUPPLY

The MLA-6 requires a local power supply of 12Vdc if cable run is in excess of 1,000'

#### MICROPHONES ONLY

##### WIRING REQUIREMENTS

2 Conductor **shielded** cable, 22 gauge with a 24 gauge drain wire

NOTE: Unshielded cable is not satisfactory for audio systems



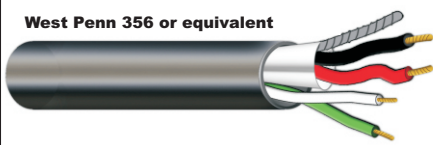
#### SPEAKER/MICROPHONES ONLY

##### WIRING REQUIREMENTS

4 Conductor consisting of:

- 2 Conductor **shielded**, 20 gauge with 22 gauge drain (microphone connection)
- 2 Conductor **unshielded**, 18 gauge (speaker connection)

All in the same jacket



MODEL MLA-6

## FEATURES

- Six microphone inputs and one output (to base station)
- Level control for each microphone
- Master control for setting overall levels
- Compatible with all Louroe Base Stations
- Terminal block for speaker connections
- Allows up to 5,000' cable run between MLA-6 and base station
- Mounted in a steel housing with 1" top and bottom knockouts for conduit

## SPECIFICATIONS

■ Input level	±3dB or 1 Vrms
■ Output level	+13dB or 0 to 3.4 Vrms adjustable
■ Output impedance	600 Ω
■ Frequency response	100 Hz to 10 kHz ± 5dB
■ Current drain	1.2 mA
■ Voltage supply	12 Vdc
■ Dimensions	8"L x 7" W x 3"H
■ Weight	1 lbs (.5 Kg)

#### IMPORTANT NOTICE

When this equipment is used as part of an audio monitoring system, the law requires that the public be given notice of AUDIO MONITORING ON THE PREMISES. A decal notice is included with each microphone shipped.



Federal Law References:  
Federal Regulations, US Code, Title 18.  
Crime and Criminal Procedure, Sec 2510.