

AMT/R-600

LINE DRIVER/LINE RECEIVER

TECHNICAL DATA SHEET

DESCRIPTION

Model AMT/R-600 is a Line Driver and Line Receiver designed to interface bi-directional audio with other manufacturer's transmission systems (fiber optic lines, wireless video transmissions, telephone wire, etc.) The unit consists of a microphone line driver and a line receiver/power driver. The line driver receives signals from the remote Louroe microphone and amplifies it to 0dB @ 600Ω (balanced) for input to the transmission system being used. The line receiver/power driver matches the 600Ω balanced line and amplifies the signal to drive an 8Ω speaker with a 70V transformer to a maximum of 2W.

APPLICATION

AMT/R-600 Line Driver/Receiver is used as interface equipment for transmitting Louroe Audio Monitoring Systems over:

- Fiber Optic lines
- Telephone wire
- Wireless video transmission systems

IMPORTANT NOTE

If AMT/R-600 is part of a single zone audio monitoring system, Model AP-1TB-600 Base Station is needed at head end. If multiple zones are used in conjunction with Louroe Base Stations (ALA or DG series), a matching transformer, Model TR-2 (600-10kΩ) is required for each AMT/R-600 Line Driver/Receiver.

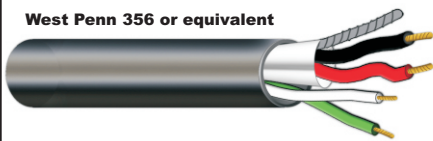
WIRING REQUIREMENTS

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

West Penn 356 or equivalent

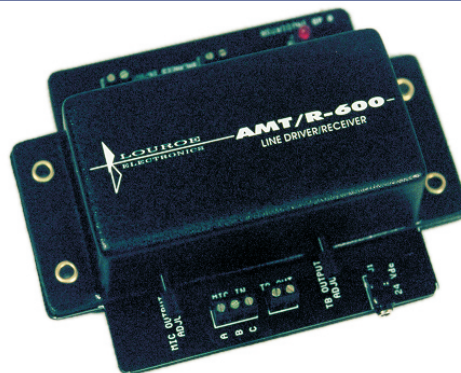


IMPORTANT NOTICE

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.



MODEL AMT/R-600

FEATURES

- Both a line driver and a line receiver/power driver in one housing
- Level control for adjusting audio output from line driver
- Line receiver level control for adjusting audio output level of Louroe base station location
- 15 Vdc, 1A plug-in power supply included
- 0db LED indicator

SPECIFICATIONS (DRIVER)

Input	-22dB from Louroe Microphone
Output	0dB @600Ω balanced
Power consumption	100 mA
Frequency response	100 Hz to 10 kHz

SPECIFICATIONS (RECEIVER)

Input	0dB @600Ω balanced
Output	2W into 8Ω
Power consumption	300 mA
Frequency response	100 Hz to 10 kHz

SPECIFICATIONS (GENERAL)

Supply voltage	15 Vdc, 1A
Dimensions	6 1/8"Lx4 1/8"Wx1 1/8"H
Weight, net	10 oz (0.28 Kg)