

# 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)