

### 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 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.

#### 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.

### WIRING REQUIREMENTS

From speaker/microphone to AMT/R-600:

- 4 Conductor consisting of (all in the same jacket)
    - 2 Conductor shielded, 20 AWG with AWG 22 drain (microphone connection)
    - 2 Conductor unshielded, 18 AWG (speaker connection)
- West Penn 356 or equivalent



MODEL AMT/R-600

## FEATURES

- Both a line driver and a line receiver/power driver in one housing
- Level control for adjusting proper output from line driver
- Line receiver level control for adjusting output for desired listening level at base station location
- 15 Vdc, 1A plug-in power supply included
- 70V transformer for connection to Louroe
- Speaker/Microphone provided, or a 600Ω transformer if interfaced with a wireless

### 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 5/8"Wx1 7/8"H
Weight	10.8 oz

AMT/R-600