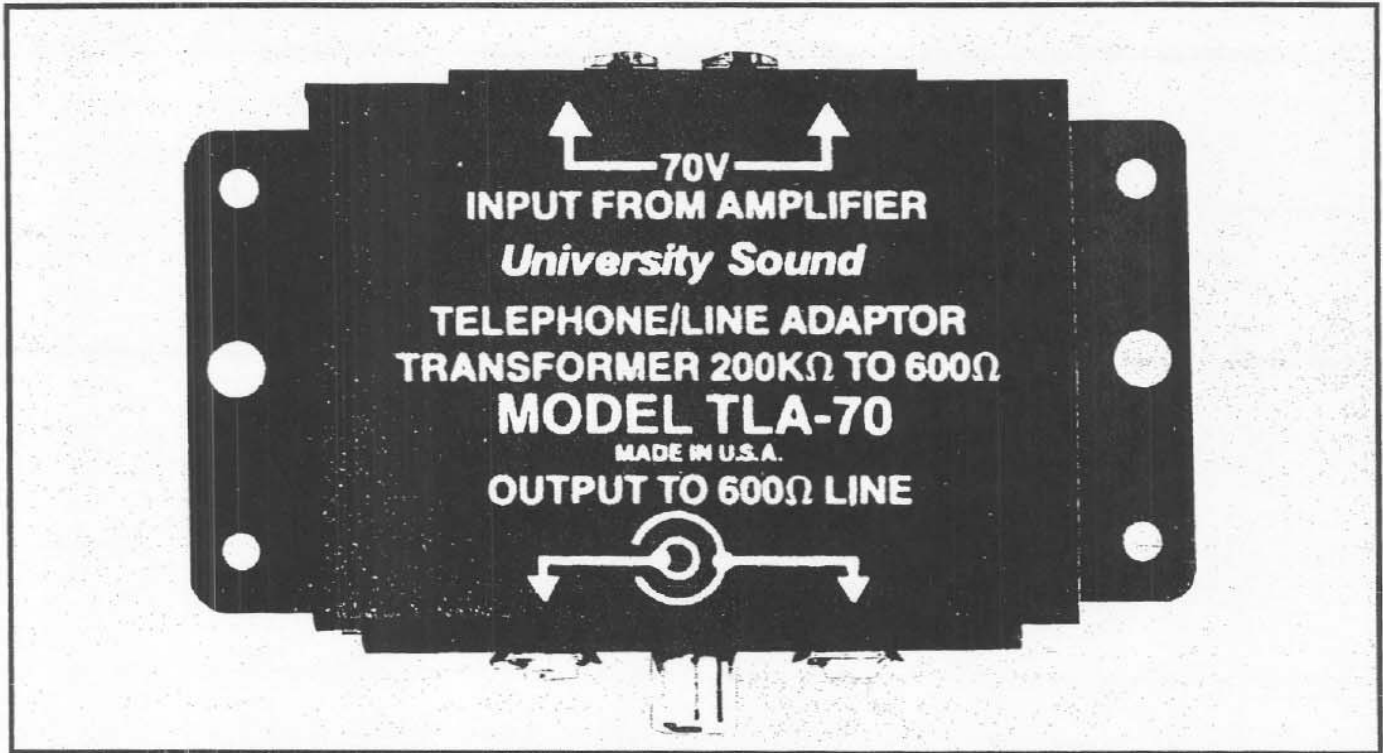




TLA-25/ TLA-70

Speaker Line To Telephone Line Transformers



Product Data

- Converts speaker line / amplifier output to match amplifier input
- Accommodates 25 Volt (TLA-25) or 70.7 Volt (TLA-70) constant-voltage speaker lines
- Sturdy steel enclosure has flanges for surface mounting
- Line level output uses screw terminals or standard RCA phono jack

Specifications:

Output: Approx 0 dBm (.772V)
@ 500Ω-600Ω

Input:

TLA-25: 25V CV-speaker line

TLA-70: 70.7V CV-speaker line

Frequency Response: 50 Hz – 15 kHz, ± 2 dB

Apparent Load: ≈ 2 mW from speaker line

Dimensions: 3.875" W x 1.0" H x
2.0" D (9.8 cm x 2.5 cm
x 5.1 cm)

Shipping Weight: 1 lb. (0.45 kg)

Description

The University Sound Models TLA-25 and TLA-70 are used to match a speaker line or amplifier output to a 500/600 ohm line or leased phone line. Using this method, the signal can be sent over very long distances, even miles, with little degradation in audio quality. They may also be used to match a speaker line to the auxiliary input of a booster amplifier to power an additional speaker system.

The Model TLA-25 is for use with 25 Volt constant-voltage outputs, while the TLA-70 is for use with 70.7 Volt constant-voltage outputs. Either TLA unit consumes only a few milliwatts of power, so that the loading effect on the amplifier is negligible.

Connection to the 25/70.7 input is made by means of screw terminals on the side of the unit. Line output connections may be made either by means of a standard RCA phono jack or by two screw terminals. The unit's enclosure is electrically isolated from all connections.

Each transformer is housed in a black finished steel box measuring 3.875" x 1.0" x 2.0" (9.8 cm x 2.5 cm x 5.1 cm), which may be secured to most surfaces using #6 screws through the holes in the mounting flanges, or by using double-sided tape.

Architect's and Engineer's Specifications

The units shall be self-contained matching transformers designed to match a constant-voltage speaker line or amplifier output to a 500/600 ohms impedance, or to the auxiliary input of another mixer or amplifier. The units shall present a negligible load to the connected system, and therefore consume only a few milliwatts of power. Connection to the units shall be made on screw terminals on the side of the unit. Line output connections shall be made either to a standard RCA phono jack or to two screw terminals. The units' enclosure shall be electrically isolated from

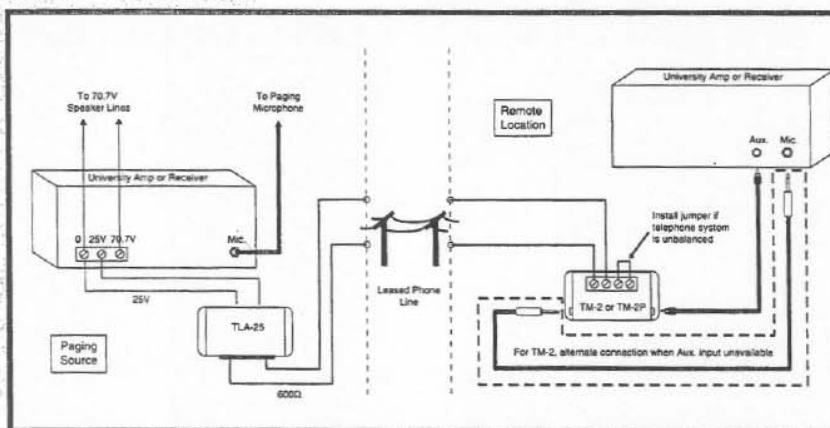
all external connections. Each unit shall be enclosed in a black finished steel box measuring 3.875" x 1.0" x 2.0" (9.8 cm x 2.5 cm x 5.1 cm). The enclosure shall have two mounting flanges at opposite side of the box to allow surface mounting using #6 screws. [Applies to TLA-25 only:]

The unit shall match 25V speaker lines. The Model TLA-25 has been specified.

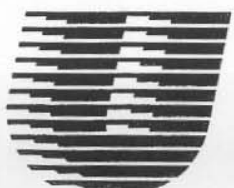
[Applies to TLA-70 only:]

The unit shall match 70.7V speaker lines. The Model TLA-70 has been specified.

Application



The diagram at left shows a configuration for using the TLA unit to transmit a signal over a leased phone line to a remote site. At the remote site, a University Sound TM-2(P) unit is employed to transform the signal to a amplifier input level. In this manner, the output of the original amplifier can be sent up to a few miles with very little signal degradation. An untransformed speaker line would experience heavy power loss and high-frequency rolloff.



University Sound Inc.

a MARK IV company
13278 Ralston Avenue
Sylmar, CA 91342-7607
FAX (818) 362-3463
PHONE (818) 362-9516

Mark IV Audio Canada
345 Herbert Street
Gananoque, Ontario K7G 2V1
FAX (613) 382-7466
PHONE (613) 382-2141