

McLELLAND

AUDIO VIDEO CONNECTION SOLUTION PRODUCT(CSP)

UN-SHIELD TWISTED PAIR(UTP) TRANSCEIVER

Models UT2111AB · UT2111AW



- * Mini Jack Audio Input
- * Rear-panel RJ45 Input for Connecting Additional Module Senders
- * Left (L) Input Feeds Pair B; Right (R) Feeds Pair C
- * Signal and Power Pair Pass-Through on RJ45 Jacks
- * Daisy chain topology
- * AFC Design (AFC: Auto Feedback Gain Circuitry)

APPLICATION: The -UT2111A modules are two-pair audio sending modules compatible with CSP twisted pair products. These modules are designed to be mounted in wall boxes, cabinets or other enclosures that allow users to connect audio sources. The models mount in CSP wall boxes, or in standard U.S. electrical boxes. The -UT2111AW features a white front-panel laminate with gray lettering that matches CSP style remote controls. The -UT2111AB features a black front-panel laminate.

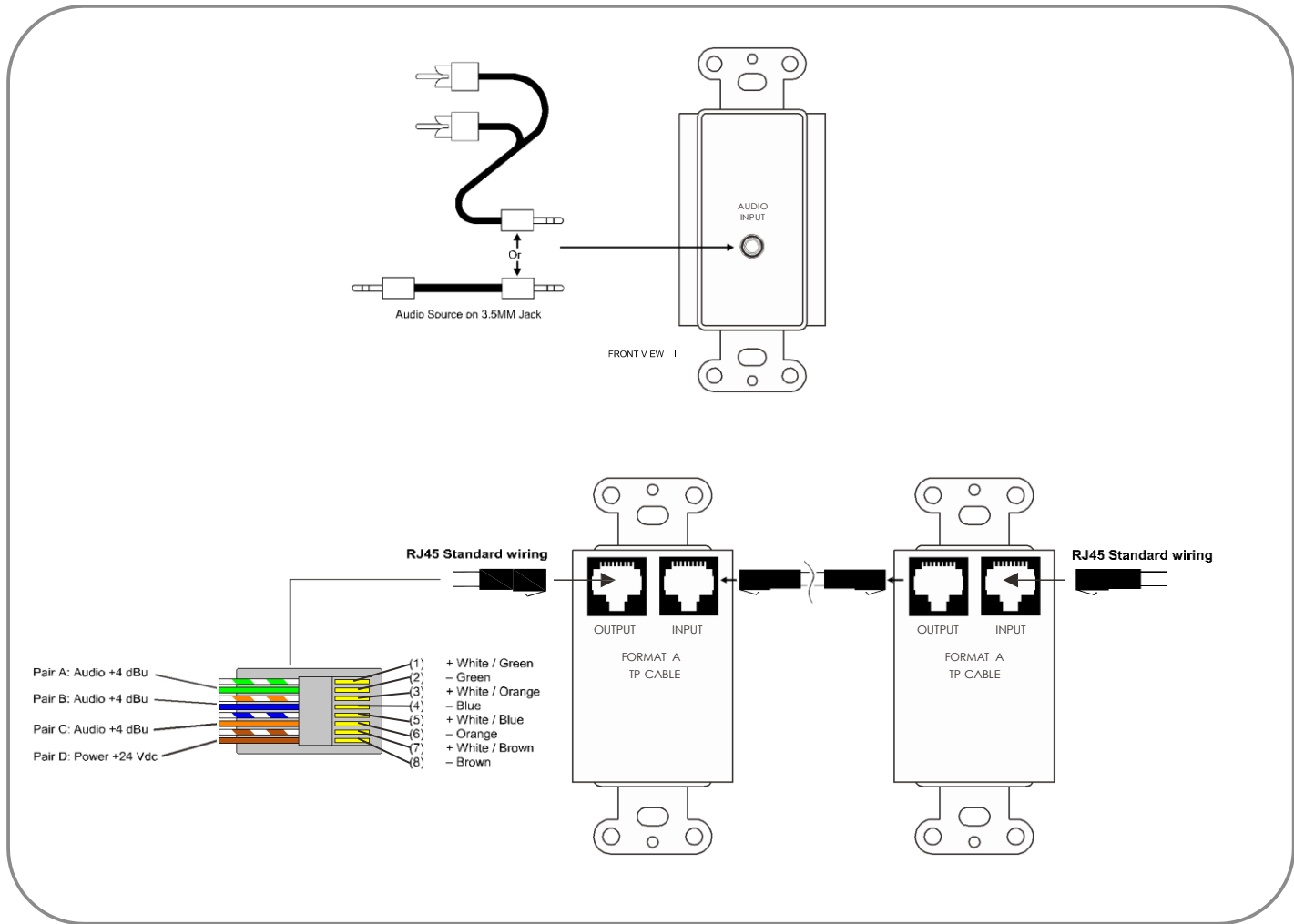
The -UT2111A modules feature one stereo Mini jack input on the front panel. The input is designed to receive standard-10 dBV consumer level signals from sources such as a computer or personal media player. The input signals are amplified using studio-quality preamplifiers optimized for normal operating levels. The buffered left and right inputs are routed to output cable pairs B and C. These modules drive only two cable pairs, therefore they accept a signal and power from one mic-level or line-level UN-SHIELD single-pair sender. One single-pair sender may be chained with The -UT2111A. A single-pair sender must be set to feed pair A if it is connected together with The -UT2111A.

The -UT2111A modules have an input on the rear panel. This RJ45 input receives left and right signals from preceding senders and sums them together with the local Mini jack input. This allows multiple -UT2111A modules to be connected in series with all the Mini jack inputs remaining active.

The -UT2111A is remotely powered through the twisted pair cable from any other module, signal distributor or CSP power inserter connected to the same twisted pair cable. There are no illuminated indicators that could be distracting in dark locations, such as a hotel room.

CSP features superior audio performance that rivals or exceeds shielded wiring. Design simplicity, ease of installation, unsurpassed flexibility, automatic fused power, exceptional hum rejection, low noise, and low distortion provide designers and installers the optimum choice in economical twisted pair products.

Mounting The -UT2111A should be mounted in an CSP wall box or equivalent. The ambient operating environment must not exceed 40 degrees C.



TYPICAL PERFORMANCE

Inputs (2):	10 kΩ Unbalanced, stereo;
Input Connection:	Mini jack (front panel);RJ45 (rear panel)
Input Level:	-10 dBV; +10 dBV Maximum
Signal Pairs Used (2):	B (Left); C (Right)
Gain:	12 dB
Output:	CSP UTP (RJ45)
Output Connection:	RJ45
Frequency Response:	20 Hz to 50 kHz (+/- 0.5 dB)
THD+N:	< 0.1% (20 Hz to 50 kHz);
Noise below +4 dBu:	< -85 dB; < -75 dB with up to 10 -UT2111A modules connected
Crosstalk:	< 85 dB (1 kHz); < 75 dB (20 Hz to 20 kHz)
Headroom above +4 dBu:	> 20 dB
Power Connection:	RJ45
Power Requirement:	24 Vdc @ 30 mA
Dimensions:	1.33" (3.37 cm) D; 1.72" (4.37 cm) W; 4.11" (10.44 cm) H
Ambient Operating Environment:	0° C to 55° C