McLELLAND

AUDIO VIDEO CONNECTION SOLUTION PRODUCT(CSP)

UN-SHIELD TWISTED PAIR(UTP) TRANSCEIVER
Models UT2212AB，UT2212AW

* RCA Jack Audio Inputs

* L (Left) Output From Pair B; R (Right) From Pair C

* Signal and Power Pair Pass-Through on RJ45s

* Fused Local Power Feeds all Connected Modules

* Power can be linked to the removable terminal

* Blue LED Indicates Module is Powered

* Daisy chain topology

* AFC Design (AFC: AutoFeedback Gain Circuitry)

The CSP SERIES-UT2212A modules are two-pair audio sending modules compatible with CSP UN-SHIELD TWISTED PAIR TRANSCEIVER. These modules are designed to be mounted in wall boxes, cabinets or other enclosures that allow users to connect audio sources. The-UT2212A models mount in wall boxes, or in standard U.S. electrical boxes. The-UT2212AW features a white front-panel laminate with gray lettering that matches CSP-style remote controls. The-UT2212AB features a black front-panel laminate.
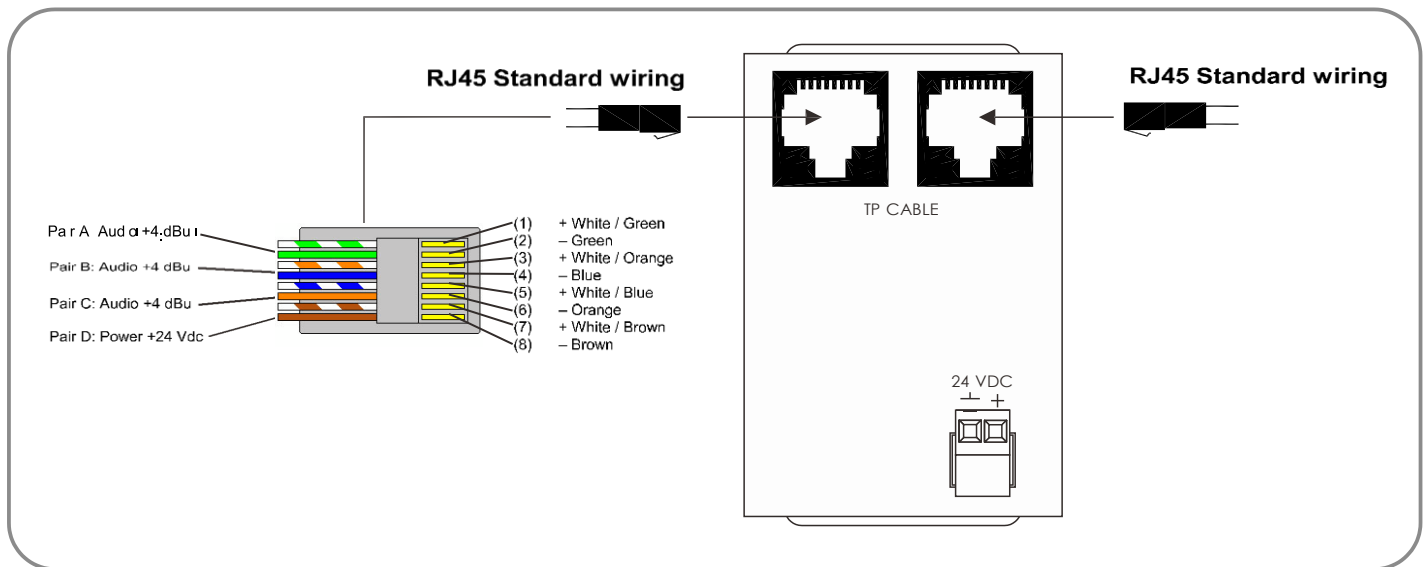
APPLICATION: The-UT2212A modules feature two RCA phono jack inputs, one for the left channel source and one for the right channel source. These inputs are designed to receive standard -10 dBV consumer level signals. The input signals are amplified using studio-quality preamplifiers optimized for normal 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 TWISTED PAIR TRANSCEIVER. The-UR2312A modules have a second RJ45 jack for an input cable. One single-pair sender may be chained with The-UT2212A. A single-pair sender must be set to feed pair A if it is connected together with The-UT2212A . The power pair and all three audio pairs are fed through both rear-panel RJ45 jacks.

The-UT2212A may be powered directly from a 24 Vdc power supply using the detachable terminal block. Local power connected to the module is also fed to all connected remote modules. The-UT2212A may be remotely powered through the twisted pair cable from any other module, signal distributor or CSP power inserter connected to the same twisted pair cable. Module power is indicated by a front-panel LED.

CSP(UTP) TRANSCEIVER 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.

STEP 1: Connect 24 Vdc to the power input terminals if this module is not being powered through the twisted pair cable from another module, or if this module is located an excessive distance from the next powered module on the cable. Note: The front-panel power LED will be illuminated if this module is powered. If this module is powering other modules through the cable and if there is a wiring short, the short must be cleared then power must be turned off to this module for 10 seconds to reset the internal protection circuit.

STEP 2: Connect the twisted pair cable(s) and fasten the module in its mounting box.

TYPICAL PERFORMANCE

Inputs (2):	10 kΩ Unbalanced
Input Connection:	RCA Phono
Input Level:	+10 dBV Maximum
CSPSignal Pairs Used (2):	B (Left); C (Right)
Gain:	12 dB
Input:	CSP UTP RJ45
Output:	UTP Receiver (RJ45)
Output Connection:	RJ45
Frequency Response:	20 Hz to 50 kHz (+/- 0.5 dB)
THD+N:	< 0.05% (20 Hz to 50 kHz); < 0.005% (1 kHz)
Noise below +4 dBu:	< -95 dB
Crosstalk:	< 90 dB (1 kHz); < 75 dB (20 Hz to 20 kHz)
Headroom above +4 dBu:	> 18 dB
Indicator:	Power In
Power Connections (2):	Detachable Terminal Block; RJ45
Power Requirement:	24 Vdc @ 65 mA plus connected loads
Maximum Load Current:	135 mA
Dimensions:	1.6" (4.06 cm) W; 4.11" (10.45 cm) H; 1.89" (4.8 cm) D
Mounting Box Minimum Depth:	2.4"