McLELLAND

AUDIO VIDEO CONNECTION SOLUTION PRODUCT(CSP)

UN-SHIELD TWISTED PAIR(UTP) RECEIVER
Models UR2212AB · UR2212AW

* RCA Jack Audio Outputs
* 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: Auto Feedback Gain Circuitry)

The -UR2212A modules are two-pair audio receiving 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 external equipment. The -UR2212A models mount in CSP wall boxes, or in standard U.S. electrical boxes. The - UR2212AW features a white front-panel laminate with gray lettering that matches CSP-style remote controls. The -UR2212AB features a black front-panel laminate.

APPLICATION: The -UR2212A modules feature two RCA phono jack outputs, one for the left channel output and one for the right channel. The audio signals received from pairs B and C of the twisted pair cable are buffered to drive the output jacks at the standard -10 dBV consumer level.

This module receives signal from only two cable pairs, so The -UR2212A modules have a second RJ45 jack to connect cables to additional receiver modules. A separate single-pair receiver may be chained to the second RJ45 jack. In addition to completing the reception of signals from all three pairs, additional receivers may be connected to the same twisted pair feed. The bridging input circuits used in all twisted pair receivers allow connection of up to 10 receiver outputs for each cable pair. The possibility of multiple receiver locations adds enormous flexibility in the design of audio routing systems using CSP products. The power pair and all three audio pairs are fed through both rear- panel RJ45 jacks.

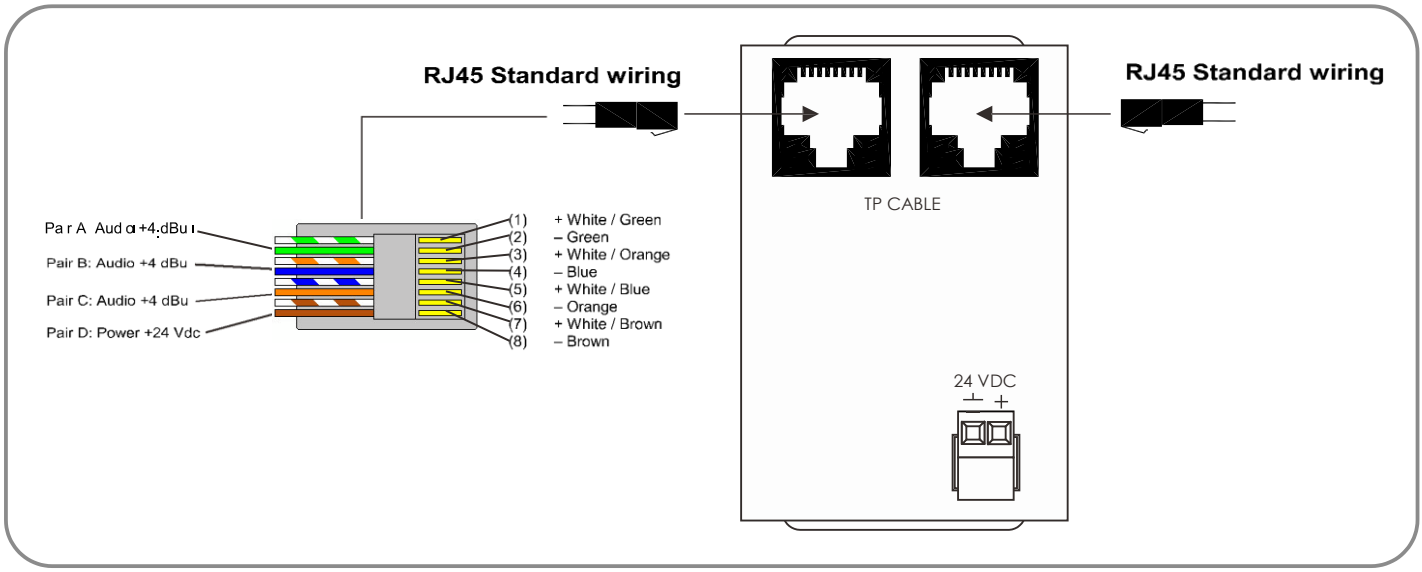
The -UR2212A may be powered directly from a 24 Vdc power supply using the rear-panel detachable terminal block. Local power connected to the module is also fed to all connected remote modules. The -UR2212A may be remotely powered through the twisted pair cable from any other module, signal distributor or CSP power inserter connected to the same twisted pair cable. Module power is indicated by a front-panel LED.

CSP 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 coming from senders or distributors.

STEP 3: Connect the twisted pair cable feeding additional receiver(s), if any, and fasten the module in its mounting box.



TYPICAL PERFORMANCE

Input:	CSP UTP RJ45
Input Connection:	RJ45
Signal Pairs Used (2):	B (Left); C (Right)
Output:	RJ45
Output:	100 Ω unbalanced
Output Connection:	RCA Phono
Frequency Response:	10 Hz to 50 kHz (+/- 0.1 dB)
THD+N:	< 0.005%
Noise below +4 dBu:	< -90 dB
Crosstalk:	< 90 dB (1 kHz); < 75 dB (20 Hz to 20 kHz)
Headroom above +4 dBu:	> 18 dB
CMRR:	> 80 dB (50 Hz to 150 Hz)
Indicator:	Power In
Power Connections (2):	Detachable terminal block; RJ45
Power Requirement:	24 Vdc @ 45 mA plus connected loads
Maximum Load Current:	155mA
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"