

# McLELLAND

## AUDIO VIDEO CONNECTION SOLUTION PRODUCT(CSP)

### UN-SHIELD TWISTED PAIR(UTP) RECEIVER Models UR2612AB · UR2612AW



- \* Balanced Mic or Line Level XLR Output
- \* Switch-Selectable Output Level on Rear Panel
- \* RCA Jack Audio Outputs
- \* XLR From Pair A; L From Pair B; R From Pair C
- \* Remote Powering through Twisted Pair Cable
- \* 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 -UR2612A modules are three-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 -UR2612A models mount in CSP wall boxes, or in standard U.S. electrical boxes. The -UR2612AW features a white front-panel laminate with gray lettering that matches CSP-style remote controls. The -UR2612AB features a black front-panel laminate.

**APPLICATION:** The -UR2612A modules feature an XLR audio output and two RCA phono jack outputs, one for the left channel and one for the right channel. The audio signal received from pair A of the RJ45 INPUT jack feeds the XLR audio output jack. The output level from the XLR jack is set to either MIC or LINE level during installation using a rear-panel switch. The audio signals received from pairs B and C of the twisted pair cable are buffered to drive the RCA output jacks at the standard -10 dBV consumer level.

Although The -UR2612A modules access signals from all three cable 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 -UR2612A 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 -UR2612A 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.

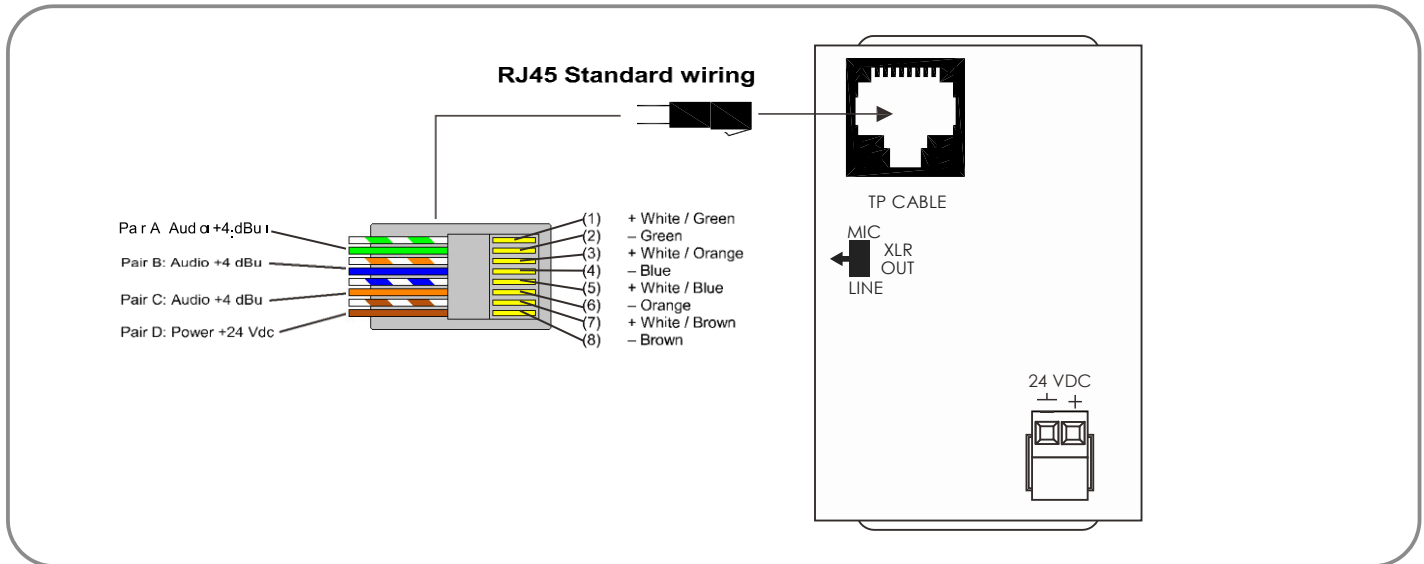
CSP features superior audio performance that rivals or exceeds shielded wiring. Design simplicity, ease of installation, unsurpassed flexibility, automatic fused power, exceptional hum rejection, low noise, and low distortion provide designers and installers the optimum choice in economical twisted pair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

**STEP 1:** Set the XLR OUT switch to the desired output level for the front-panel XLR jack (MIC or LINE).

**STEP 2:** 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 3:** Connect the twisted pair cable coming from senders or distributors and fasten the module in its mounting box.



## TYPICAL PERFORMANCE

Input:	CSP UTP RJ45
Input Connection:	RJ45
Signal Pairs Used (3):	A, B, C
Outputs (3):	150 $\Omega$ balanced; 100 $\Omega$ unbalanced
Output Connection:	XLR (balanced Mic or Line); RCA Phono Jack (2)
Output Level: XLR:	-45 dBu Mic or +4 dBu Line Level, Switch-selectable on rear panel; RCA phono: -10 dBV
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):	< 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"