## 3 Pin XLR & Stereo RCA Input UTP Balun Wallplate

## Model: A4824



The UT2612A module is designed in three-pair audio sending modules compatible with CSP UTP products. The module could be mounted on the wall, cabinets or other racks, suitable for the users to connect with other equipment. The UT2612AW is applied a white front panel and UT2612AB is applied a black front panel.

The UT2612A provides an XLR microphone input, two RCA jack inputs on the front panel for the left and right channel input source. The RCA input jacks accepts to receive the signals from PC, mobile phone or other media player (standard - 10 dBV consumer level signal). The XLR MIC provides 24V phantom power allow using the condenser or dynamic microphones, and amplified by high quality pre-amp circuit. Normally set the rear panel GAIN switch at the position of NORM (normal) gain. If consistently low mic levels are requested, please set the switch to the position of HIGH gain. The XLR MIC source is sent by UTP pair A. The left and right of RCA jack inputs are sent by UTP pairs B and C.

The module use all three pairs of cable for XLR and RCA input sources, this means this module could not receive input signals from other transceivers.

Provide the power to this module via the Terminal Block at the back panel from a 24Vdc power supply. Also provides the power to all other connected modules. UT2612A also accepts the remotely power from any other module, signal distributor or CSP power supply through UTP cable. A front panel LED lights when the module is powered.

CSP modules provide high audio performance better than shielded cabling. Design in simply, quick of installation, excellent flexibility, reject the unexpected hum noise, low noise, and low distortion. The best choice for installations in economical twisted pair products.

**STEP1:** Normally set the rear panel GAIN switch at the position of NORM (normal) gain. If consistently low mic levels are requested, please set the switch to the position of HIGH gain.Note: Please set the switch to the position of NORM to avoid any unexpected clipping if both normal and low level MIC signals are requested.

**STEP 2:** Connect 24Vdc to the Terminal Block. Or make sure the module is powered through the UTP cable from another module.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 UTP cable and mount the module into the mounting box.



## **TYPICAL PERFORMANCE**

Inputs (3):	Mic: 1.2 k $\Omega$ Bal. with IEC 24 Vdc Phantom; Line (left and right): 10 k $\Omega$ Unbal.
Input Level:	Mic: -45 to -65 dBu Balanced; Maximum: -40 dBu (HIGH Gain), -28 dBu (NORM Gain);Line: -10 dBV Unbalanced; +10 dBV Max
Signal Pairs:	A (Mic); B (Unbalanced Line Left); C (Unbalanced Line Right)
Gain:	Mic: 50 dB (NORM) or 63 dB (HIGH), Switch-selectable on rear panel; Line: 12 dB
Output:	CSP UTP
Output Connection:	RJ45
Frequency Response:	Mic: 100 Hz to 30 kHz (+/- 1 dB); integral low-cut filter -10 dB @ 30 Hz;
Line:	20 Hz to 50 kHz (+/- 0.5 dB)
THD+N:	Mic: < 0.1% (80 Hz to 20 kHz); Line: < 0.05% (20 Hz to 50 kHz); < 0.005% (1 kHz)
Noise below +4 dBu:	Mic: < -80 dB (NORM Gain), < -70 dB (HIGH Gain); Line: < -95 dB
Crosstalk:	Line to Line: < 90 dB (1 kHz); < 75 dB (20 Hz to 20 kHz); Line to Mic
(HIGH Gain):	< 65 dB (1 kHz), < 60 dB (20 Hz to 20 kHz);Line to Mic (NORM Gain): < 75 dB (1 kHz), < 70 dB (20 Hz to 20 kHz)
Headroom above +4 dBu:	> 18 dB
CMRR (50 to 150 Hz):	Mic: > 60 dB (HIGH Gain), > 65 dB (NORM Gain)
Indicator:	Power In
Power Connections (2):	Detachable terminal block; RJ45
Power Requirement:	24 Vdc @ 65 mA plus connected loads
Maximum Load Current:	135 mA