

McLELLAND

AUDIO VIDEO CONNECTION SOLUTION PRODUCT(CSP)

UN-SHIELD TWISTED PAIR (UTP) TRANSCEIVER Model UT3612A



- * Balanced Microphone XLR Input
- * Selector switch MIC Gain
- * RCA Jack Audio Inputs
- * XLR goes to Pair A: L+R (MONO) goes to Pair B.
- * Signal and Power Pair Pass-Through on RJ45s
- * Power can be linked to the removable terminal
- * Blue LED Indicates Module is Powered
- * Daisy chain topology

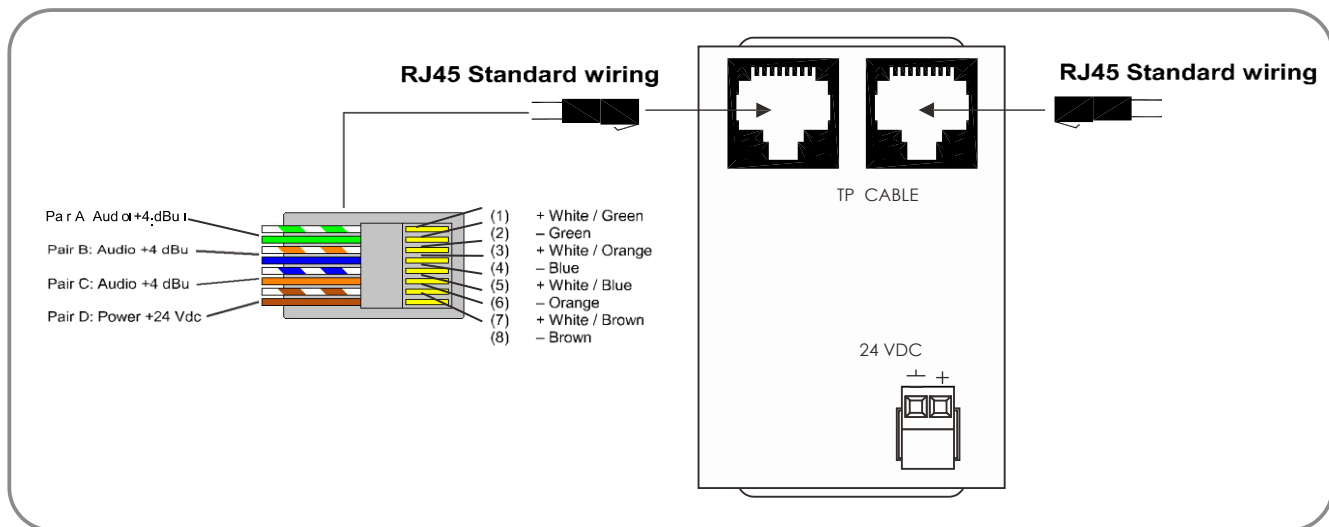
USAGE:

UT3612A module is designed to provide Microphone XLR input and RCA Audio inputs. The Mic XLR Input accepts dynamic and condenser microphone and provides 20V Phantom power for the microphone. And also using excellent quality of preamplifier circuit for microphone. Set the Gain switch on the rear panel to NORM (Normal) position when only using condenser microphone. Set the Gain switch to HIGH position when using low level of microphone. Normally the switches need to be properly set before the installation. Mic XLR Input routes the signal to Pair A. RCA input jacks accept the unbalanced signal and summed to MONO then route the signal to Pair B.

UT3612A module only use two pairs of UTP CAT5 cable, this means UT3612A module could be connected with another single pair of CSP transceiver (this transceiver needs to set to Pair C), accepts the signal and DC power. NOTE: UT3612A needs the DC power to operate, and there is no DC power input terminal block. The power needs to come from another transceiver or receiver module.

INSTALL:

- 1: Set the Mic Gain switch to NORM position when providing high level input signal.
Set the Mic Gain switch to HIGH position when providing low level input signal.
Connect the unbalanced signal to RCA input jacks.
- 2: Apply 24VDC to the terminal block. Or apply power from another module by UTP CAT5 cable.
The blue LED on the front panel will be illuminated when this module is powered.
- 3: Plug in UTP CAT5 cables and fix the module in the mounting box.



SPECIFICATION:

Twisted Pair Used: A (MIC); B (MONO)

Input Connection: MIC – XLR Balanced, LINE - RCA Unbalanced.

Input Level: MIC: -45 to -65 dBu

Line: -10 dBu

Gain: MIC: 63 dB (HIGH)

50 dB (NORM)

Line: 12 dB

Output Connection: CSP UTP RJ45

Frequency Response: 20 Hz to 20 kHz (+/- 0.5 dB)

THD+N: < 0.05% (20 Hz to 50 kHz)

Noise below +4 dBu: < -95 Db

Phantom Power: 20V (MIC)

Indicator: Power In

Power Connections: Detachable Terminal Block or RJ45

Power Requirement: 24 VDC @ 65 mA

Maximum Load Current: 135 mA

Dimensions: 4.4 cm x 6.65 cm x 3.6 cm (WxHxD)

Mounting Box Minimum Depth: 4.8 cm