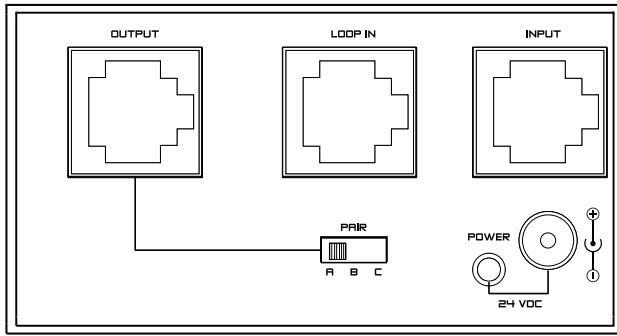


UBM-1012A

McLELLAND®

UN-SHIELD TWISTED PAIR (UTP) TRANSCEIVER/MIXER



FEATURES:

- * Accepts Three-Pair of Signals from CSP Transceivers.
- * Mixing function for the Audio Sources on CSP Pairs A, B and C.
- * Isolated Active for Mixing.
- * The Mixed Output sends One Pair of the Cable Connected to the OUTPUT RJ-45 port.
- * Switch Selects the RJ-45 Output Pair A, B or C to send the signal.
- * Two Audio Pairs and the Power Pair Pass Through to OUTPUT from LOOP IN Jack.
- * Provides the Powers to All Connected modules.
- * Daisy chain topology.

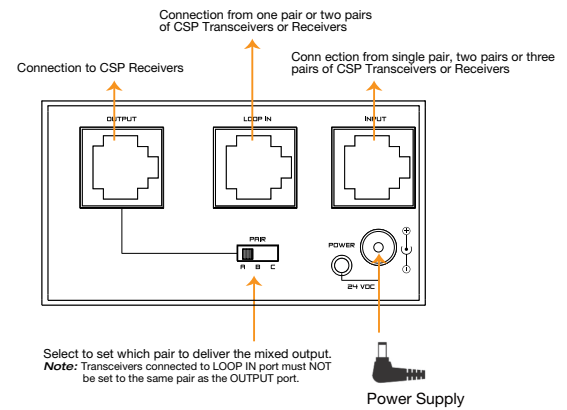
USAGE:

The **UBM-1012A** provides three RJ-45 ports on the front panel, including INPUT, LOOP IN and OUTPUT. The INPUT RJ-45 port accepts a twisted pair cable coming from one or multiple CSP transceivers. When the signals received on the all pairs A, B and C of INPUT RJ-45, all the signals mixes together and fed to one of the OUTPUT RJ-45 pairs A or B or C selected during installation using the front-panel switch. The other two pairs are available for signals to pass through from other CSP transceivers connected to the LOOP IN RJ-45 port. Because the mixed signals from INPUT port drives only one pair of the output cable, the LOOP IN port is able to accept two pairs of signal and the power from other Mic or Line input CSP products. Therefore, two single-pair transceivers or one transceiver that uses two pairs can be connected to the LOOP IN port. **Note:** Transceivers connected to LOOP IN port must NOT be set to the same pair as the OUTPUT port.

UBM-1012A module could be powered from a 24VDC power supply by using DC jack on the front panel, and the power also could be provided to all the connected modules by Pair D. **UBM-1012A** may be powered from other modules through the Pair D of TP CAT5 cable. When the power is supplied to this module, front panel LED will light on.

SPECIFICATION:

- Input Connector: RJ-45 INPUT/LOOP IN
- Twisted Pair Used: A, B, C pairs
- Output Connector: RJ-45
- THD+N: < 0.005%
- Frequency Response: 20 Hz ~ 20 kHz
- Power Requirement: 24 VDC @ 35 mA; 155 mA (Max.)
- DC Power Connectors: DC Jack, RJ45
- Dimensions: 76.2mm x 40.6mm x 38.1mm (WxHxD)



INSTALL:

- 1: Connecting the TP CAT5 cable to the INPUT RJ-45 port on the front panel.
- 2: Connecting the LOOP IN and OUTPUT RJ-45 ports, and set the switch to the properly pair.
- 3: Apply 24VDC to the DC jack. Or apply power from another module by TP CAT5 cable.
The blue LED on the front panel will be illuminated when this module is powered.
- 4: Fix the module at the properly location.

