

**Overview:**

The Audio / AMP over IP Extender Kit, with Mic & AMP 50W/CH consists of a Transmitter (500755-AMP-TX) and a Receiver (500755-AMP-RX), sold as a Kit or separately, allowing a one of two 2CH analog audio-in and Mic-in signals to be extended over an IP network, and up to 330ft (100m) from an Ethernet Switch via Cat5e/6 cable in a point-to-point configuration. Point-to-multipoint and multipoint-to-multipoint is supported by connecting several Transmitters and Receivers to the same local Ethernet network. Depending on the application one or more Transmitters (500755-AMP-TX) can communicate with (or multicast to) multiple Receivers (500755-AMP-RX). The Transmitter supports PoE (PD) if used with a PoE (PSE) Ethernet Switch. Supports bidirectional RS232 and directional IR transmission initiated via an IP network or via pass-through for remote control of end devices.

**Applications:**

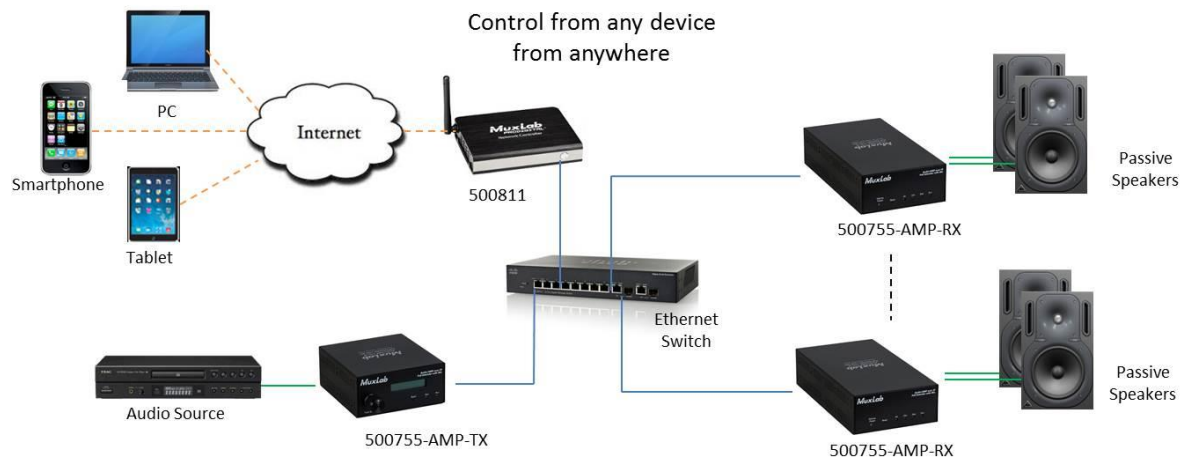
- 2CH analog audio distribution over an IP network
- Commercial and residential AV systems
- Classroom projector systems
- Digital signage
- Boardroom systems
- Collaborative PC systems
- Medical information systems





**Key Features:**

- Supports dual 2CH audio inputs and a Mic input (TX)
- Extend 2CH Audio or Mic signals up to 330ft (100m) over Cat5e/6 cable
- Supports a 2x50W Amplifier, and bridge-mode for 1x100W (RX)
- Supports Digital Audio Out (RX)
- Control input selection, volume, bass and treble (TX)
- Manage TX locally via push/turn dial or remotely via 500811 Pro Digital Network Controller web interface
- Compatible with 500755-70V for 70V speaker systems
- Supports point-to-point, point-to-multipoint and multipoint-to-multipoint applications
- Supports 100's of Transceivers depending on network bandwidth
- Supports RS232 and IR transmission for remote control of end devices
- Transmitter may be PoE powered

**Typical Application**



# Audio / AMP over IP Extender Kit, with Mic & AMP 50W/CH 500755-AMP

Specifications	
<b>Environment</b>	2CH analog audio distribution over multiple zones via an IP network.
<b>Devices</b>	2CH audio source equipment, microphone systems, speakers, PA systems.
<b>Signal Bandwidth</b>	20Hz to 20KHz
<b>LCD Display</b>	2 line x 20 character backlit LCD display (on TX)
<b>Control</b>	Local control via front push/turn knob and LCD display, remote control via web interface and 500811 controller (on TX).
<b>Audio Signals</b>	Two (2) 2CH analog audio in One (1) Mic in One (1) SPDIF Out (2CH digital audio)
<b>Connectors</b>	Two (2) RCA receptacle for Analog Audio In (on TX) One (1) 3.5mm jack for Analog Audio In (on TX) One (1) 3-pin phoenix connector for Mic In (on TX) One (1) RCA receptacle for SPDIF Out (on RX) Two (2) RJ45S for Cat 5e/6 unshielded or shielded twisted pair (one for TX and one for RX) Two (2) 3.5mm jack for IR Emitter or IR Sensor (one for TX and one for RX) Two (2) DB9 Serial Ports for RS232 (one for TX and one for RX) Two (2) 8-position DIP Switches for device ID addressing and config (one for TX and one for RX) One (1) 4 pin phoenix connector speaker terminals (2x50W into 8Ω) Two (2) 2.1mm locking power connector (one for TX and one for RX)  <i>Note: Cables not included.</i>
<b>Cable</b>	One (1) Cat 5e/6 or better twisted pair cables required.
<b>Maximum Distance</b>	Cat5e/6: 330ft (100m)  <i>Note: When installed in an electrically noisy environment, an STP cable must be used. Also, cross-connections in the signal path reduce the effective distance depending on the grade of twisted cable used.</i>
<b>IR Frequency</b>	Directional IR: 38KHz to 56KHz
<b>RJ45 Pin Configuration</b>	<b>RJ45 Link</b> Pin 1 (R) Pin 2 (T) Pin 3 (R) Pin 6 (T) Pin 4 (R) Pin 5 (T) Pin 7 (R) Pin 8 (T) <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;">   </div>
<b>Power Source</b>	Transmitter: Supports PoE (PD), an external power supply is not included. It is intended to be powered via a PoE (PSE) Ethernet Switch. If required, an optional power supply (500993) may be purchased separately. Receiver: Includes a power supply (160W maximum, 32VDC 5A).
<b>PoE Standard</b>	IEEE 802.3af
<b>Power Consumption</b>	Transmitter: 3W Receiver: 160W (max)
<b>Temperature</b>	Operating: 0° to 40°C Storage: -20° to 85°C Humidity: Up to 90% non-condensing
<b>Dimensions</b>	TX: 4.33" x 4.76" x 1.97" (11 x 12.1 x 5 cm), RX: 4.33" x 7.91" x 1.97" (11 x 20.1 x 5 cm)
<b>Weight</b>	TX: 1.20lbs (0.55kg), RX: 1.96lbs (0.89kg)
<b>Compliance</b>	Regulatory: FCC, CE, RoHS Flammability: 94V0
<b>Warranty</b>	3 years
<b>Order Information</b>	500755-AMP-US AUDIO / AMP over IP Extender Kit, with Mic & AMP 50W/CH, US (UPC: 627699717554) 500755-AMP-UK AUDIO / AMP over IP Extender Kit, with Mic & AMP 50W/CH, UK (UPC: 627699727553) 500755-AMP-EU AUDIO / AMP over IP Extender Kit, with Mic & AMP 50W/CH, EU (UPC: 627699737552) 500755-AMP-TX AUDIO / AMP over IP Transmitter, with Mic (UPC: 627699907559) 500755-AMP-RX-US AUDIO / AMP over IP Receiver, with AMP 50W/CH, US (UPC: 627699817551) 500755-AMP-RX-UK AUDIO / AMP over IP Receiver, with AMP 50W/CH, UK (UPC: 627699827550) 500755-AMP-RX-EU AUDIO / AMP over IP Receiver, with AMP 50W/CH, EU (UPC: 627699837559)
<b>Accessories</b> (These items are sold separately)	500755-70V 70V Audio Converter 500917 Wall Mount Transceiver Bracket Kit 500920 16-Port Rackmount Transceiver Chassis 500993 Univ. Locking Power Supply 5VDC/2.6A US/UK/EU Blade 500994 IR Sensor 500998 IR Emitter



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