



above front and rear product views for further details.

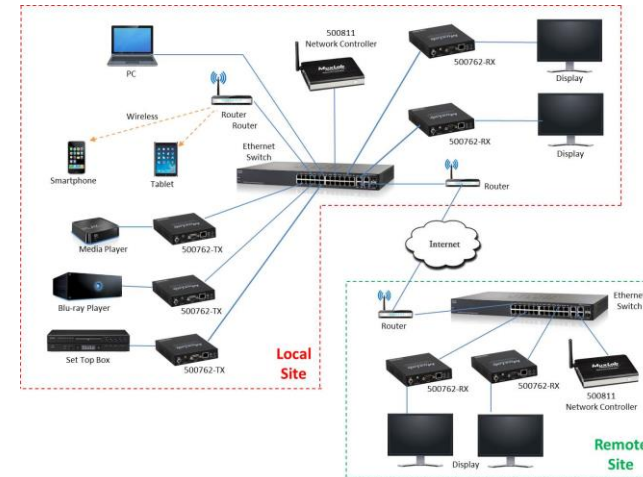
2. Verify that the distance between the HDMI Transmitter and Receiver is within MuxLab specifications (see Specifications table for further details).
3. To install the Transmitter:
  - 3a. Connect the 500763-TX Transmitter to the HDMI video source with an HDMI compliant cable.
  - 3b. If the application is point-to-point, then connect one (1) length of Cat5e/6 (or higher) grade UTP cable to the RJ45 LINK connector on the 500763-TX Transmitter. If transmitting over the network, use an Ethernet Switch between the TX & RX unit
4. To install a compatible Receiver, such as the MuxLab 500762-RX:
  - 4a. Connect the 500762-RX Receiver to the HDMI display equipment with an HDMI compliant cable.
  - 4b. If the application is point-to-point, then connect one (1) Cat5e/6 cable coming from the 500763-TX Transmitter, to the RJ45 LINK connector on the 500762-RX Receiver. If transmitting over the network, use an Ethernet Switch between the TX & RX unit
5. If the configuration is a point-to-multipoint or multipoint-to-multipoint:
  - 5a. You will need to use an Ethernet Switch with Gigabit ports and DHCP Server support. In addition IGMP Protocol support is required for the multipoint-to-multipoint case. **Verify that the Ethernet Switch is configured correctly, that the DHCP Server is enabled, and that the IGMP Protocol is enabled for multipoint-to-multipoint applications.** See the Ethernet Switch operating manual for more information about configuring the Ethernet Switch.
  - 5b. Connect all 500763-TX Transmitters and 500762-RX Receivers to the Ethernet Switch.
  - 5c. Use the DIP Switches to select a unique Device ID for each 500763-TX Transmitter present on the network and configure each 500762-RX Receiver Device ID to the corresponding selected Transmitter. **Note: This step is not necessary if the MuxLab ProDigital Network Controller (500811) is used.**
6. Powering the 500763-TX Transmitter or 500762-RX Receiver via an external power supply is only necessary where PoE (PSE) is unavailable. If PoE is unavailable, connect a 5 VDC power supply (500993 – sold separately) to each 500762-RX Receiver and to an AC power outlet. Next connect each 500763-TX Transmitter in the same manner. If power is present, the green power LED on each 500763-TX Transmitter and 500762-RX Receiver will illuminate.
 

**Note: Power ‘ON’ the HDMI 500763-TX Transmitter and 500762-RX Receiver only after all connections have been made.**
7. Power ‘ON’ the HDMI equipment and verify the image quality.
8. This product supports IR control. IR Emitter and Sensor are not included, and are sold separately. If infrared remote control is needed to control the Source equipment from the Display, connect the IR Sensor (PN: 500994) to the 3.5mm Stereo Jack of the 500762-RX Receiver and the IR Emitter (PN: 500998) to the 3.5mm Mono Jack of the 500763-TX Transmitter.
 

**Note: You can differentiate the IR Sensor and the IR Emitter by looking at the 3.5 mm plug. The IR Sensor is using a Stereo Plug (3 Contacts) and the IR Emitter a mono plug (2 Contacts).**
9. Position the IR Sensor so that it is directed at the hand-held remote control. For a clear IR signal reception, aim the hand-held remote control at the top of the IR Sensor enclosure.
10. Position the IR Emitter as close as possible to the source’s IR Sensor (i.e. Blu-Ray player). For a clear IR signal reception, the IR Emitter can be glued on the source’s IR Sensor. The IR Emitter’s signal is transmitted from the side of the enclosure.
11. This product supports RS232 bidirectional communication. On the 500763-TX Transmitter,

the RS232 port is configured as a DCE; and on the 500762-RX Receiver as a DTE. Please connect your RS232 cable accordingly. The default settings are 115.2K, N, 8, 1.

12. The following diagram illustrates a typical configuration.
13. This unit supports a Factory Reset function, if ever required. Note however that and saved unit configuration data will be lost. To perform a Factory Reset, press and hold the reset button located on the front between 6 to 10 seconds, until the LED starts to flash. If you just want to reset (reboot) the unit, then simply momentarily press the reset button for 1 second.



## Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in regard to the installation of the 500763-TX Transmitter in combination with the 500762-RX Receiver:

Symptom	Transmitter LEDs		Receiver LEDs		Probable Cause	Possible Solutions
	Power	Link	Power	Link		
No Image	OFF	OFF	OFF	OFF	No power	<ul style="list-style-type: none"> <li>• Check power connections</li> <li>• Check PoE Ethernet Switch Setup</li> </ul>
No Image	BLINK	OFF	BLINK	ON	Booting	<ul style="list-style-type: none"> <li>• Wait until booting process is finished</li> </ul>
No Image	ON	OFF	ON	OFF	No Ethernet Link	<ul style="list-style-type: none"> <li>• Check Ethernet Switch Status</li> <li>• Check UTP Cables</li> </ul>
Info Screen	ON	OFF	ON	BLINK	UTP Cable	<ul style="list-style-type: none"> <li>• Check the Transmitter UTP cable</li> </ul>
Info Screen	ON	ON	ON	OFF	UTP Cable	<ul style="list-style-type: none"> <li>• Check the Receiver UTP cable.</li> </ul>
Info Screen	ON	BLINK	ON	BLINK	No Data Connection	<ul style="list-style-type: none"> <li>• Check if DIP Switch settings match</li> </ul>
Info Screen	ON	ON	ON	BLINK	Wrong setting on Receiver	<ul style="list-style-type: none"> <li>• Check DIP Switch address of the Receiver</li> </ul>
Choppy Video	ON	ON	ON	ON	Configuration	<ul style="list-style-type: none"> <li>• Check cable length</li> <li>• Check the HDMI Cable Quality</li> <li>• Check if IGMP is enabled on the Ethernet Switch</li> </ul>
Image flickers when powering up nearby equipment	ON	ON	ON	ON	Interference	<ul style="list-style-type: none"> <li>• Use STP cables</li> </ul>
IR not functioning *	ON	ON	ON	ON	Interference from sunlight, Fluorescent, Neon or Halogen lights	<ul style="list-style-type: none"> <li>• Place the IR equipment away for the interfering light</li> </ul>
IR not functioning *	ON	ON	ON	ON	Interference from RF radiation from the TV	<ul style="list-style-type: none"> <li>• Place the IR equipment away for the RF radiation</li> </ul>

\* IR Emitter and IR Sensor sold separately.

If you still cannot diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).