MuxLab

Overview

The IR Remote Extender Kit (500600) allows up to four (4) audio-video sources to be controlled via remote IR up to 2,200 ft (670m) away from the display via Cat5e/6 cable. The product comes with one (1) IR Sensor (500999) and four (4) IR Emitters (500998) for maximum cabling versatility. The product also features three (3) pairs of screw terminal blocks allowing the three (3) unused twisted pairs to be accessed for other low voltage services such as balanced video, audio or data.
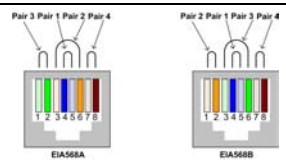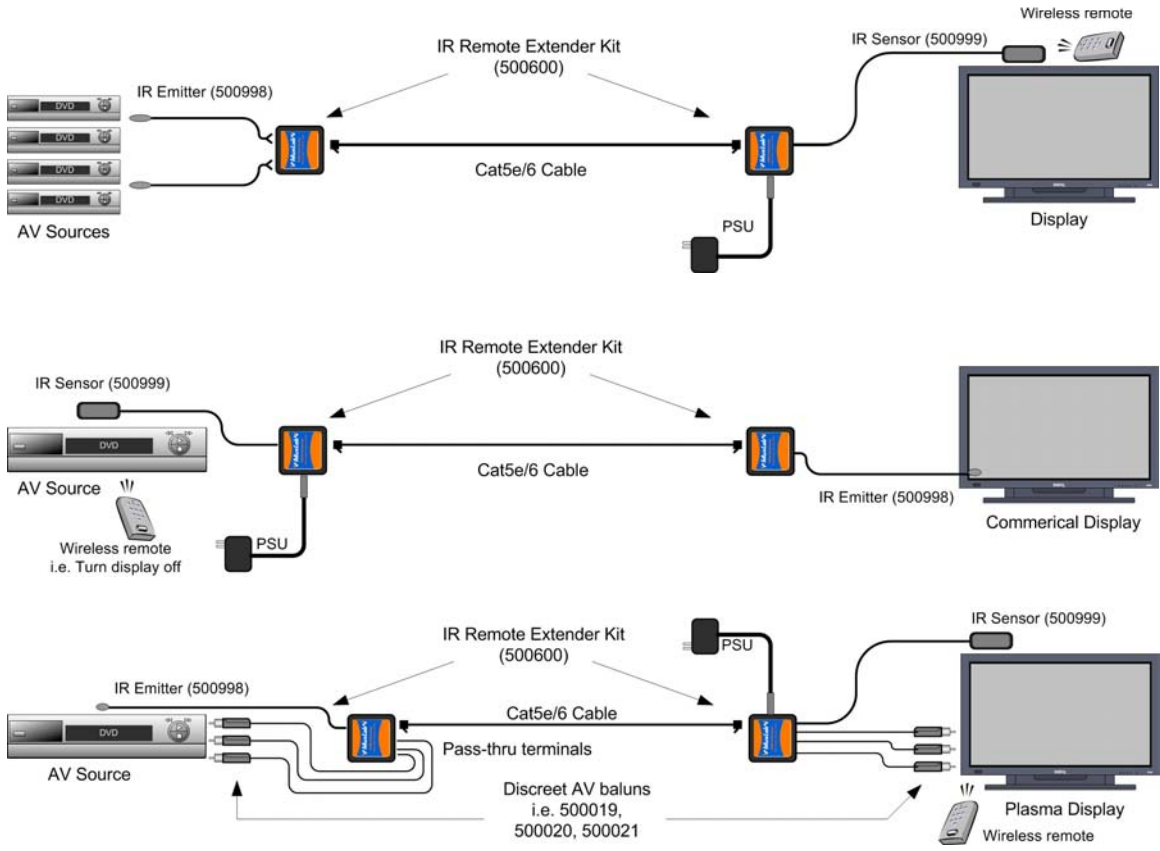
Applications

Residential AV systems, classroom projector systems, digital signage, boardroom systems, collaborative PC systems, medical information systems, commercial display on/off control.

Key Features

IR Remote up to 2,200 ft (670m) via Cat5e/6
Screw terminal blocks for pass-thru of other low voltage services such as audio or video.
Includes one IR Sensor (500999)
Includes four IR Emitters (500998)

Specifications	
Environment	Infrared (IR) control
Devices	TV Sets, STB, DVD, DVR, PVR, satellite receivers.
Transmission	Transparent to the user
Supported IR Data Formats	NEC code, RC5 code, RC6 code, Grounding code, RCA Code, Zenith code and Sony 12-bit code.
Carrier Frequency	38 KHz
IR Wavelength	940 nm

Connectors	TX: One (1) 3.5mm stereo jack for IR Sensor
	    One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair
	    Three (3) Screw-type Terminal Blocks for RJ45 pass-thru
	    One (1) PSU connector.
	RX: Four (4) 3.5mm stereo jacks for IR Emitter
	    One (1) RJ45S for Cat 5e/6 unshielded or shielded twisted pair.
	    Three (3) Screw -type Terminal Blocks for RJ45 pass-thru.

Maximum Distance IR	2,200 ft (670m)
RJ45 Pin Configuration *Reverse Polarity Sensitive. Use EIA/TIA 568A or 586B straight-through wiring.*	**Signal RJ45** IR Remote: Pin 7 (R) Pin 8 (T) Pass-Thru: Pin 1 (R) Pin 2 (T) Pass-Thru: Pin 3 (R) Pin 6 (T) Pass-Thru: Pin 4 (R) Pin 5 (T)
Cable	Cat 5e/6
Power Supply	One (1) 110-240V/12VDC – 500mA power supply with interchangeable blades
Power Consumption	Transmitter: 1.8 Watt
Temperature	Operating: 0° to 55°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Fire retardant plastic
Dimensions	Transmitter: 2.40" x 2.25" x 1.00" (6.1 x 5.7 x 2.5 cm) Receiver: 2.40" x 2.25" x 1.00" (6.1 x 5.7 x 2.5 cm)
Weight	1.3 lb (0.6 kg)
Mounting	Velcro Pads (included)
Compliance	Regulatory: FCC, CE, RoHS Flammability: 94V0
Warranty	2 years
Order Information	500600 IR Remote Extender Kit

Typical Application

Rear view