

All-In-One Console Extender



Features

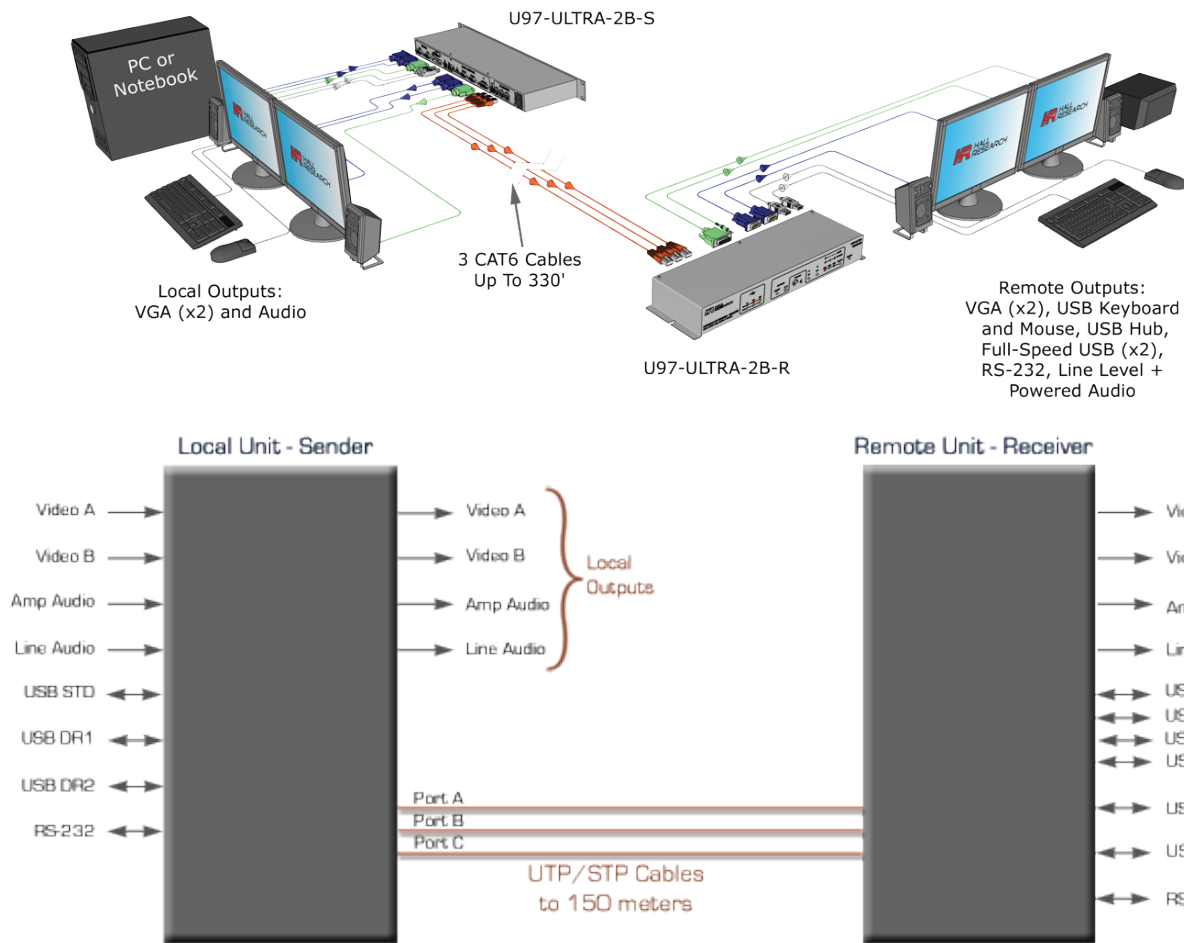
- Extend Dual-Head Video, Audio, RS-232, and 3 independent USB ports
- Includes 2 “Direct” USB ports (DR1 & DR2), and a 3rd port with 4 port hub in the receiver.
- Built-in EDID (Extended display ID), allows PC to detect LCD’s even if none is connected at the sender or the receiver.
- Built-in video skew correction on both video channels. This corrects the lack of RGB convergence when long Cat6 cables are used.
- Built-in Test Pattern Generator for long cable compensation (High Frequency Gain) and skew correction.
- Amplified audio input and loop output at the sender as well as DB15 output at the receiver to directly drive passive speakers.
- Built-in power supply with standard 110~240 VAC IEC320 jack.
- Eliminates the need for Utility Box (Receiver includes a guard plate that goes over all the connectors with tie-down provisions for strain relief).

Description

The Hall Research Model U97-Ultra-2B kit is used to extend Dual Display PC Video, Stereo Audio (amplified or line level), RS-232, and up to 3 independent USB ports to a remote location up to 330 feet away on any Category Cable (CAT5e/6 etc).

These products include a rack-mountable Sender Unit plus a wall-mountable Receiver (and I/O hood cover), packaged together. However they can also be sold separately under the U97-Ultra-2B-R and U97-Ultra-2B-S Part #'s.

Block Diagram



Specifications

Video Inputs:	PC outputs (VGA to WQHD)
Resolutions:	PC resolutions up to 2560x1440 @ 60 Hz
Video Levels:	0 to 0.7v p-p
Dimensions:	Sender (H x W x D) - 1.5 x 19 x 5.06 inch Receiver (H x W x D) - 1.75 x 14 x 4.06 inch Receiver Cable Cover (H x W x D) - 1.75 x 13 x 4 inch
Weight:	Sender - 4 Lbs Receiver - 3 Lbs
USB Support:	Full Speed devices (12Mb/s) Low Speed devices (1.5Mb/s) High Speed devices on DR1 and DR2 only
UTP Cable:	Up to 330 feet / 100 meter
Temperature:	Operating: 32 to 122 DegF (0 to 50 DegC);
Storage:	-40 to +185 DegF (-40 to +85 DegC)
Enclosure:	Steel
MTBF:	90,000 hours (calculated estimate)
Power:	100VAC to 240VAC 50/60Hz