



Hall Research Technologies, Inc

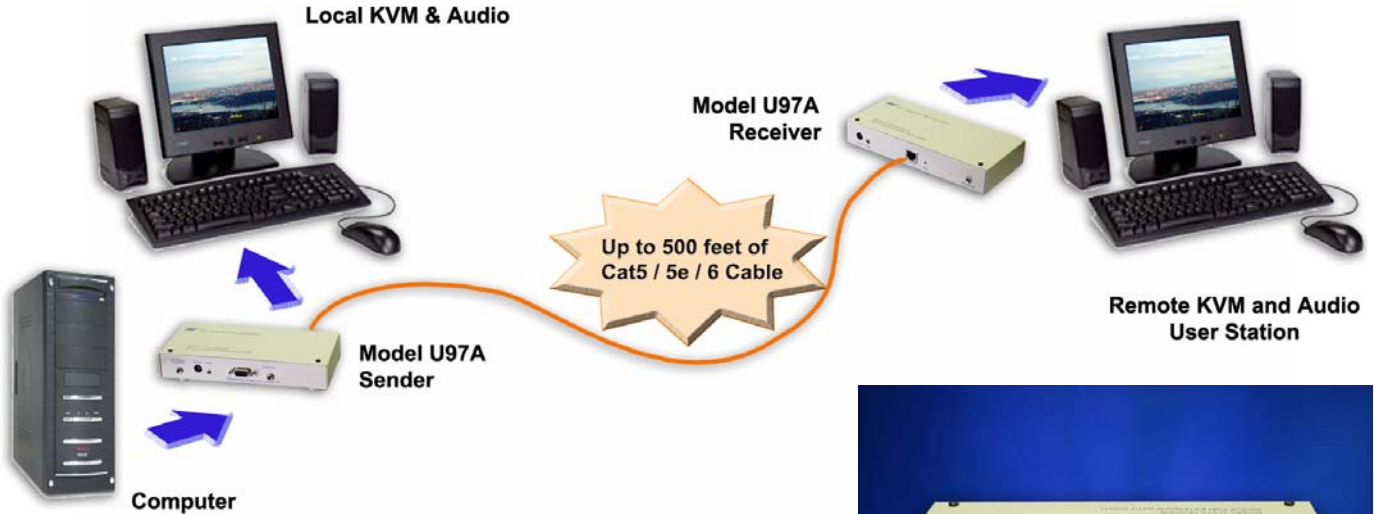
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Operation Instructions

Model U-97A

KVM Extension with Audio over Cat5 Cable
with Local Ports for Dual Access



Contents: Sender Unit with cables for connection to PC
Receiver Unit with Power adapter



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UMA1072 Rev. 1.0

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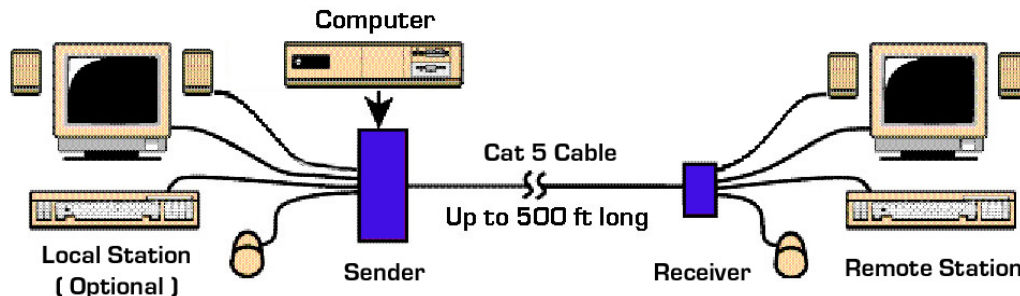
Description

The U97-A is a KVM+audio extender. It allows a local user and a remote user to work on the same PC. The remote user can be up to 500' away via a Catx cable connected between the Sender and the Receiver units of the U97-A. The Receiver unit of the U97-A has digital video compensation control. The digital control is controlled via hot keys on the remote keyboard. The Sender unit of the U97-A has an external control switch that will allow only local control, or only remote control, or either station control. The Sender unit also has 2 LEDs to indicate which station, local or remote, currently has control. Both Sender and Receiver units have an LED that when a Catx cable is connected and both units are powered on, the LED will light up indicating successful communication via the Catx cable.

Features

1. Compact, Rugged, Reliable, and Economical
2. Full PS/2 mouse command set emulation
3. Full PS/2 keyboard command set emulation
4. Dynamic hot plug ability of mouse and keyboard
5. Dynamic hot plug ability and recovery of Catx cable
6. Catx link LED indicators on both Sender and Receiver units
7. Local or remote control LED indicators on the Sender unit
8. Line level audio output on Receiver unit and Sender unit
9. Digital video compensation on Receiver unit
 - a. Digital adjustment controlled via Receiver keyboard hot keys
10. Made in USA

How to setup the U97-A



1. Power down the PC
2. Use the special "KVM" (3-in-1) cable to connect the Sender unit to the PC.
 - a. The end with the 3 connections connects to the PC
 - b. The other end connects to the Sender via the HD-15 connector labeled "Computer"
 - i. NOTE: The connection between the PC and the Sender is NOT hot-pluggable.

3. Connect the audio output from the PC to the audio input on the Sender via the "Computer" label on the Sender unit with a male-to-male mini-stereo cable
4. Connect any combination of keyboard, mice, video, audio to the Sender and Receiver to control the PC
 - a. Connect a keyboard and/or mouse and/or video and/or audio to the Sender unit via the connections labeled "Local" if local control is desired.
 - b. Connect a keyboard and/or mouse and/or video and/or audio to the Receiver unit if remote control is desired.
 - i. NOTE: The Receiver does not have to be connected to use the Local station
 - ii. NOTE: The Sender does not have to have a local keyboard or a local mouse connected for the Receiver to function
5. Connect the Sender and the Receiver units with a Catx cable
6. Power on the Receiver unit with the supplied power supply (GS-385)
7. Power on the PC

How To Use The U97-A

The U97-A will allow only the local or remote to communicate with the PC at any given time. After either stations stops sending keyboard or mouse data, there is a 2 second delay before the other station can start sending data to the PC. If the Local LED on the Sender is lit then only the local station may communicate with the PC. If the Remote LED on the Sender is lit then only the remote station may communication with the PC. If neither LED is lit then either station may communicate with the PC. As soon as one station begins to communication with the PC, that LED will be lit and the other station will not be able to communicate with the PC.

The Link LED on the Sender and the Link LED on the receiver indicate when there is a successful link between the Sender and Receiver units. If the Link LED's are on then there is a successful link between the Sender and Receiver.

How to Adjust the Video Compensation for Best Image

The digital video compensation is controlled by hot keys on the remote keyboard. The hot key sequence is "Scroll Lock" "Scroll Lock" "v". You will have 2 seconds between each keystroke to successfully complete the hot key sequence. Once the hot key sequence has been successfully completed, you will see the Num Lock, Scroll Lock, and Caps Lock LED's cycling on the Remote Keyboard. This will indicate you are in the video adjustment mode. Use the "+" and "-" keys to increase or decrease the video compensation as necessary. Pressing the "Enter" key will adjust the video compensation to full compensation. Pressing the "Esc" key will adjust the video compensation to no compensation. Press any key other than "+", "-", "Enter", or "Esc" to exit the hot key sequence. When you exit the hot key sequence, the LED's on the keyboard will stop cycling and will return to their previous state.



Federal Communications Commission Statement

This equipment generates, uses and radiates radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. This equipment has been tested and found to comply with the limits for a Class A computing device, pursuant to Part 15 of the FCC rules. Harmful interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures are necessary to correct the interference.

If necessary, you should consult the place of purchase or an experienced radio/television technician for additional suggestions.

Warranty

HRT warrants that the supplied equipment is free from defective workmanship and material. Subject to the agreements set forth, will repair or replace, at its option, the defective components for a period of 2 years after purchase. The following conditions apply to the Warranty:

Warranty void if item subject to improper use, negligence, or unauthorized modification

Instructions must be followed in obtaining RMA number as explained below

Any defective part should be returned, insured and freight prepaid, to Hall Research, with the following:

- Return Material Authorization Number (RMA#)
- Description of failure, as detailed as possible
- Shipping address and contact name and phone number

Limited Liability

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM DIRECT, INDIRECT, SPECIAL INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT OR ITS DOCUMENTATION



Products Designed and Made in the USA

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