Gefen

®

CAT5·1600HD
EXT-CAT5-1600HD
User Manual

Gefen CAT5-1600HDS
Professional series · DVI USB 2.0
HPD PWR

Gefen CAT5-1600HDR
Professional series · DVI USB 2.0
DDC HPD PWR
LOCK

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ASKING FOR ASSISTANCE

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Congratulations on your purchase of the CAT5-1600HD. Your complete satisfaction is very important to us.

Gefen

Gefen is a unique product line catering to the growing needs for innovative home theater solutions. We specialize in total integration for your home theater, while also focusing on going above and beyond customer expectations to ensure you get the most from your hardware. We invite you to explore our distinct product line and hope you find your solutions. Don't see what you are looking for here? Please call us so we can better assist you with your particular needs.

The Gefen CAT5-1600HD

Extend your DVI and USB 2.0 peripherals with the Gefen CAT5•1600HD KVM extender up to 200 feet away from the computer using two CAT-5e/CAT6 cables. The unit includes a built-in 4-port USB 2.0 hub located on the Receiver unit and gives complete computer access control up to 200 feet away.

How It Works

Connect the DVI & USB computer ports to the Sender unit. Connect the remote display & computer peripherals to the Receiver unit. Two CAT-5 cables (for the DVI and for the USB 2.0) extensions connect the Sender and the Receiver units together. Power up the units, and a crisp picture will appear on the display.

Note: The Gefen CAT5•1600HD is HDCP compliant, enabling the viewing of protected content on the remote extended display. The Gefen CAT5•1600HD supports digital DVI-D only, not analog DVI-A. Sources and connecting cables must be DVI-D compatible.

Features

- Extends any DVI compliant device up to 200 feet (60 meters) from the computer at up to 1920x1200

- Extends USB 2.0 compliant devices up to 300 feet

- DVI is transmitted digitally for zero signal loss over CAT-5 cable

- Supports video resolutions up to 1080p and 1920x1200.

- HDCP compliant for viewing of copy-protected video content (e.g., Blu-ray)

- Supports the DDWG standard for DVI compliant monitors
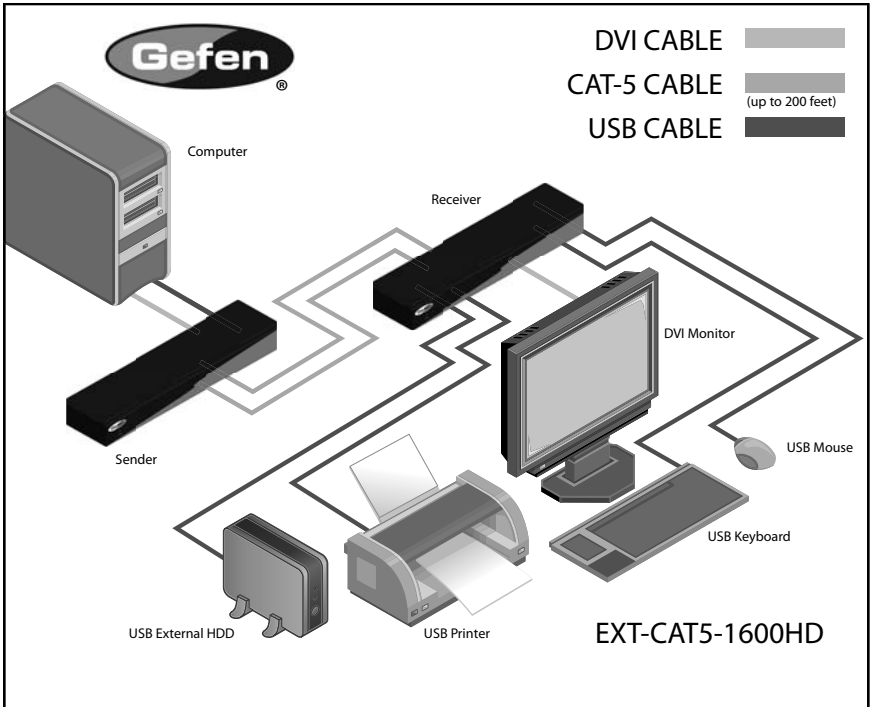
- Includes rack ears

Package Includes

(1) CAT5•1600HD Sender unit
(1) CAT5•1600HD Receiver unit
(1) 6 foot DVI to DVI Cable
(1) 6 foot USB 2.0 Cable
(2) 5V Power Supplies with Locking Power Connectors
(1) Set of Rack Ears
(1) User's Manual

How to Connect the CAT5-1600HD

1. Connect the Sender unit to the computer via the included DVI and USB cables.

2. At the remote location, connect the display, mouse, keyboard, printer and any other USB accessory to the Receiver unit (up to 4 USB devices may be connected at one time to the Receiver unit).

3. Connect the Sender and Receiver units together with up to 200 ft of CAT-5e or CAT-6 cable.

4. Connect the included 5V DC external power supplies to both the Sender and Receiver units. Gently screw in the threaded locking power connectors, being careful not to overly tighten them.

5. The remote computer is now completely controlled from the Receiver unit.

Wiring Diagram for the CAT5-1600HD

__Front Panel__

__Back Panel__

1 **HPD LED**
This LED shows the status of the Hot Plug Detect signal being sensed at the Receiver. When this LED is lit, a compatible DVI display device is connected to the Receiver and operating properly.

2 **Power LED**
When this LED is lit, power is correctly supplied to the unit.

3 **USB Input**
Supplies USB connection from the host computer to the Sender. Connect a USB cable from an available USB port on the computer to this jack.

4 **Host Connected LED**
When this LED is lit, this indicates that the host computer and the Sender unit are connected together properly.

5 **CAT-5 USB Link Input**
Connects to the Receiver unit via a length of CAT-5 cabling. Used for transmission of the USB signal from Sender to Receiver.

6 **CAT-5 Video Link Input**
Connects to the Receiver unit via a length of CAT-5 cabling. Used for transmission of the DVI video signal from Sender to Receiver.

7 **DVI Input**
Connects the computer's DVI video interface output to the Sender unit.

8 **5V DC Locking Power Connector**
Supplies secure and safe power to the Sender unit. Plug in the supplied 5V DC locking power supply here. Screw in the threaded locking power connector, being careful not to overly tighten.

Front Panel

Back Panel

1 **DDC Lock LED**
When this LED is lit, the quality of the data transmission between Sender and Receiver is stable. The HDCP copy-protection signal is being passed from the host computer to the remote Display, allowing the viewing of protected source content (Blu-ray discs and movies for instance).

2 **HPD LED**
This LED shows the status of the Hot Plug Detect signal being sensed at the Receiver. When this LED is lit, a DVI-compliant display device is connected to the Receiver and operating properly.

3 **Power LED**
When this LED is lit, power is correctly supplied to the unit.

4 **USB Outputs**
Connect the keyboard, mouse, printer and any USB-compatible accessories (such as an external hard disk drive) to these ports.

5 **CAT-5 USB Link Input**
Connects to the Receiver unit via a length of CAT-5 cabling. Used for transmission of the USB signal from Sender to Receiver.

6 **Host Link LED**
When this LED is lit, this indicates that the host computer and the Sender unit are connected together properly.

7 **CAT-5 Video Link Input**
Connects to the Sender unit via a length of CAT-5 cabling. Used for transmission of the DVI video signal from Sender to Receiver.

8 **DVI Output**
Connect the remote DVI-compliant display device to this port on its input cable.

9 **5V DC Locking Power Connector**
Supplies secure and safe power to the Receiver unit. Plug in the supplied 5V DC locking power supply here. Screw in the threaded locking power connector, being careful not to overly tighten.

SPECIFICATIONS

Video Amplifier Bandwidth..165 MHz

Single Link Range...1080P, 1920 x 1200

Input Video Signal..1.2 volts p-p

Input DDC Signal...5 volts p-p (TTL)

DVI Connector...............................DVI-I (29 pin) female (DVI-D digital signal only)

USB Input (Sender)..USB type "B" connector

USB Output (Receiver)...four USB type "A" connectors

Link Connectors (2)..RJ-45 Shielded

Power Supply...5V DC / 2A each

Power Consumption...10 Watts (max) per power supply

Dimensions..17" W x 1.75"H x 4.375" D

Shipping Weight...7 lbs

HDCP Compliant