

Gefen®

USB•400

USER MANUAL



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ASKING FOR ASSISTANCE

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TABLE OF CONTENTS

1	Introduction
2	Operation Notes
3	USB Series Installation
4	USB•400 Panel Layout
5	USB•400 Function Description
6	Wiring Diagram
7	Link Cable Diagram
8	Check List
9	Troubleshooting Hints
10	Warranty

INTRODUCTION

Thank you for purchasing the ex•tend•it USB•400 Series. The new USB•400 incorporates ExtremeUSB™ technology, which allows users the benefits of USB technology beyond the desktop. Extending your USB peripherals (i.e. computer keyboard, mouse or trackball) up to 330 feet away from the location of your Macintosh or PC computer are done easily with the USB•400.

The USB•400 system consists of two units. The USB•400S Sender resides next to the host computer, and the USB•400R Receiver is linked to the Sender via Category-5 (CAT-5) cable and resides at the desired location away from the computer.

The USB•400 signal is sent between the Sender and Receiver controls USB peripherals by buffering the USB signal through send and receive line drivers. The signal is extended by using standard Category 5 (CAT-5) cabling.

You can connect additional USB•400 systems to the same computer, allowing you to access the computer from multiple locations up to 330 feet apart.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE USB•400 SYSTEM.

* The USB•400 send and receive were designed to operate on USB enabled computers.
DO NOT attempt to use this equipment with any other type of computer.

* Use the computer's USB port when using a local keyboard that is not extended with the USB•400 sender unit.

* In order to operate properly, the USB•400 receiver unit must be connected, powered, and the CAT-5 cable must be installed between the send and receive units.

* Only Dedicated Category 5 UTP type cable (CAT-5) is recommended for this application. Refer to the wiring diagram on page 7 for wiring instructions.

* The length of cable used to connect the USB•400S send unit to the USB•400R receiver unit **MUST NOT EXCEED** 330 feet.

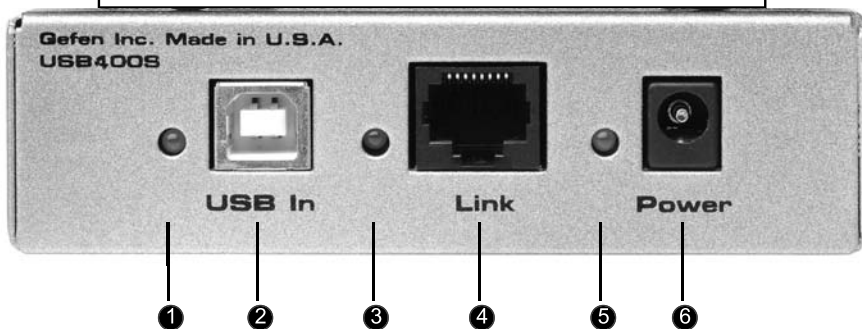
Includes:

- (1) 6' USB Cable A-B
- (1) 15VDC Power Supply
- (1) USB 400 Sender and Receiver
- (1) Users Manual

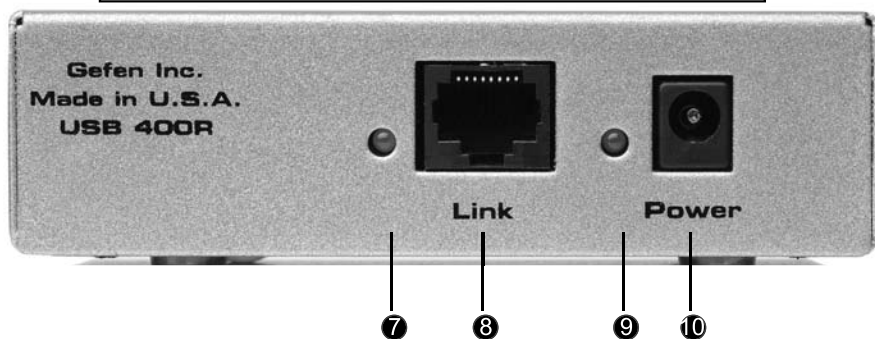
USB•400 SERIES INSTALLATION

1. Place the USB•400R unit close to the USB devices at the remote end.
2. Connect the USB devices to the USB•400R unit.
3. Connect the power adapter to a suitable AC source wall outlet.
4. Connect the power adapter to the USB•400R unit using the supplied cable.
5. Place the USB•400S unit close to the host computer.
6. Connect the USB•400S unit to the USB•400R unit using the desired length of CAT5 cable
7. Connect the USB•400S unit to the host computer using the USB cable supplied with the unit. **This connection should be made last.**

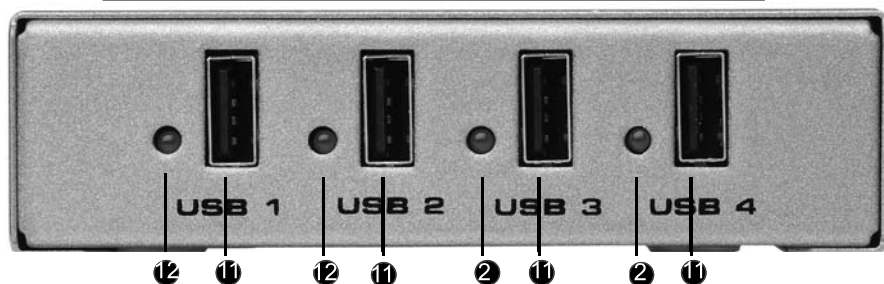
USB•400 Sender Back



USB•400 Receiver Front



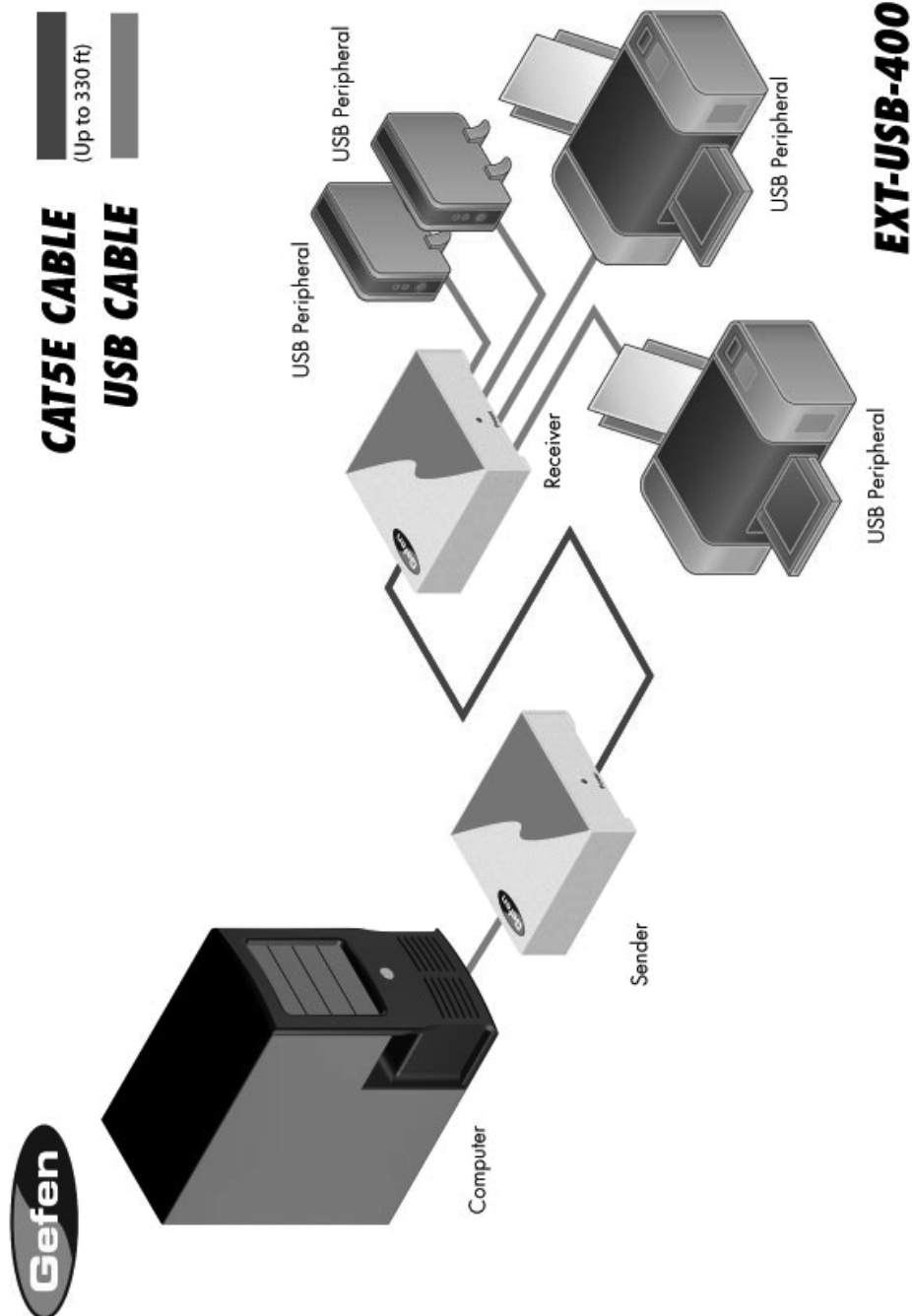
USB•400 Receiver Back

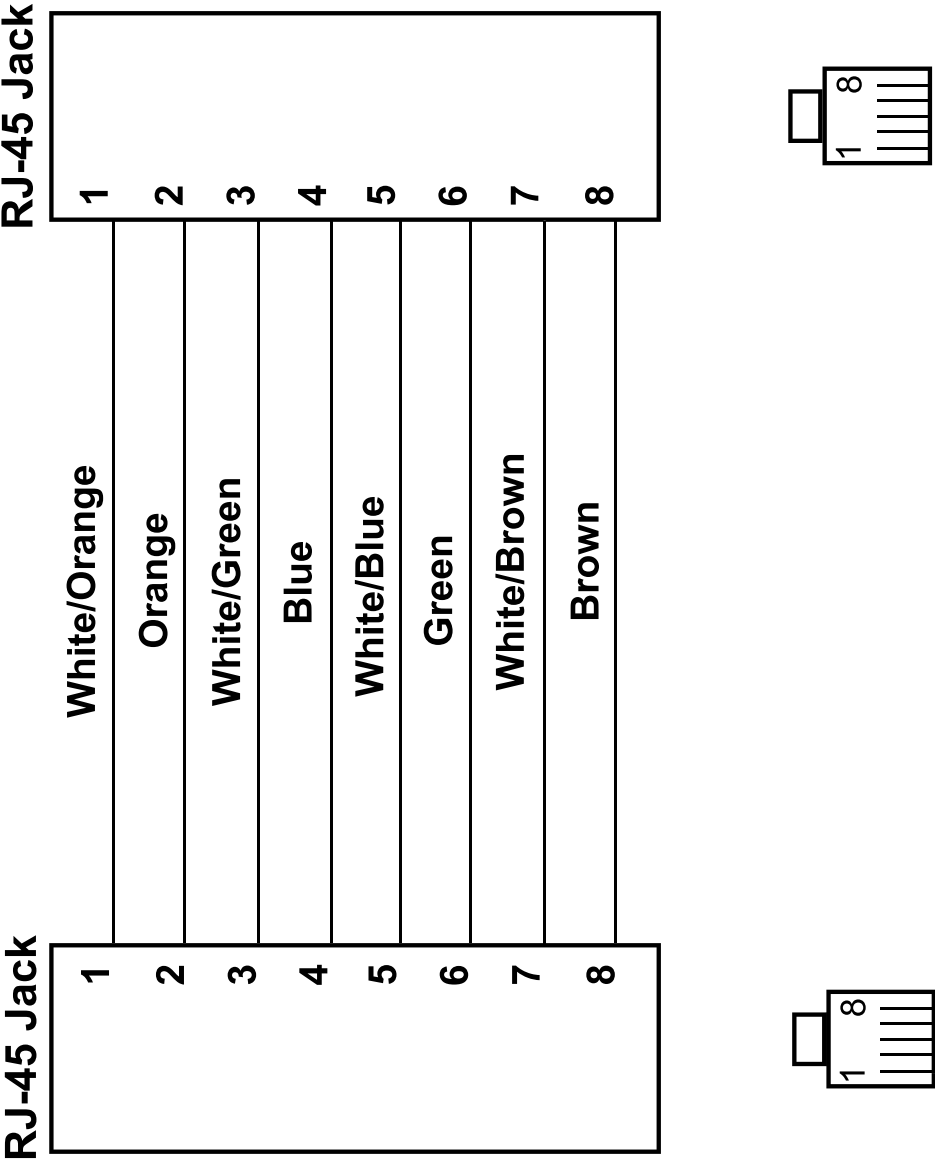


USB•400 FUNCTION DESCRIPTION

- 1 **USB LED** - Indicates if a USB connection is made properly
- 2 **USB In** - USB cable (A-B) cable from Computer to Sender
- 3 **Link LED** - Indicates if a link between the USB•400S Sender and the USB•400R Receiver units
- 4 **Link** - CAT-5 Modular Jack which connects to the USB•400S Sender and the USB•400R Receiver units
- 5 **Power LED** - Indicates the unit is plugged in and powered up.
- 6 **DC IN** - Power plug for 15VDC Wall-mount power supply.
- 7 **Link LED** - Indicates if a link between the USB•400S send and the USB•400R Receive units
- 8 **Link** - CAT-5 Modular Jack which connects to the USB•400S send and the USB•400R receive units
- 9 **Power LED** - Indicates the unit is plugged in and powered up.
- 10 **DC IN** - Power plug for 15V DC Wall-mount power supply.
- 11 **USB Led** - Indicates if a USB device is plugged in
- 12 **USB input A** - One USB A type connector

WIRING DIAGRAM





CHECK LIST

1. On the USB•400S send unit, check that the power indicator is GREEN.
2. On the USB•400S send unit, check that the link indicator is GREEN.
3. On the USB•400R receiver unit, check that the power indicator is GREEN.
4. Once all LEDs are illuminated as suggested, the USB•400 is ready to accept a USB peripheral device at the USB port on the USB•400R receiver unit. Follow the installation instructions as if one were installing the device directly into a computer's USB port.
5. On the host computer, check that a general purpose hub is visible in the Control Panel. Once connected, a USB peripheral device causes its host computer to automatically enumerate it. This simply means that the computer must identify the new device, assign it an ID, and ensure that the required software drivers are available for loading when the device is to be used.
6. The USB•400 is not an end device. Consequently, it does not have a software component or driver to be loaded. Some peripheral devices that are to be attached to the USB•400 will have a USB Driver diskette or CD-ROM which will need to be inserted after initial connection to a USB port on the USB•400 model.

TROUBLESHOOTING HINTS

Power Indicator is not lit.

-- Make certain the power supply unit is properly connected to the USB•400R unit and to a proper local power supply outlet.

Link Indicators are Green.

-- Make certain that the host computer is operating and responding to commands. If required, reset the computer.

Problem Not Resolved

-- Disconnect power (DC Adaptor) plug from wall outlet that feeds power to the USB•400R unit.

-- Disconnect the USB•400S USB connection from the computer.

-- Reconnect power (DC Adaptor) from the USB•400R unit to the wall outlet.

-- Reconnect the USB•400S USB connection to the computer.