

# Quick Start Guide

## Cat5 KVM Extender

Model: B013-330

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### Introduction

The B013-330 Cat5 KVM Extender Set utilizes Cat5 cabling to extend your computer's keyboard, monitor and mouse control up to 100 m (330 ft.) away.

The Cat5 KVM Extender Set comprises two units: the Transmitter (Local Unit) and the Receiver (Remote Unit). The Transmitter Unit contains local console ports, allowing the user to have both a local and a remote console.

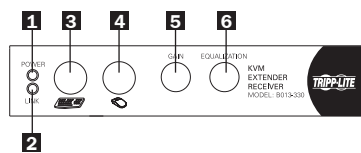
The B013-330 Receiver contains Gain and Equalization knobs that allow the user to manually adjust the video parameters of the remote console. Users can easily optimize the video screen output via these mechanical knobs.

### Package Contents

- Transmitter Unit (PC/KVM Module with Local Console Ports)
- Receiver Unit (Remote Console)
- Slim 3-in-1 PS/2 KVM Cable – 3 ft.
- Power Adapter (DC9V 1A) for Receiver Unit
- Quick Start Guide
- USB Cable – 4 ft.

### Front & Rear View

#### Receiver Unit – Remote Console Module



#### Receiver Unit (Front Panel)

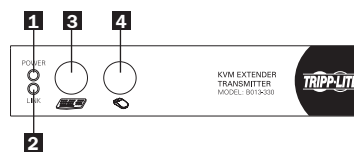
- 1 Red Power LED
- 2 Green Link LED
- 3 PS/2 Keyboard Port
- 4 PS/2 Mouse Port
- 5 Gain Adjustment Knob
- 6 Equalization Adjustment Knob



#### Receiver Unit (Back Panel)

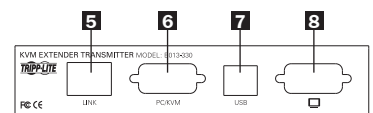
- 7 Power Adapter Receptacle (DC9V, 1A)
- 8 Cat5 Extension Port, RJ45 (Female)
- 9 Monitor Port (HDB15)

#### Transmitter Unit – PC/KVM Module with Local Console Ports



#### Transmitter Unit (Front Panel)

- 1 Red Power LED
- 2 Green Link LED
- 3 PS/2 Keyboard Port
- 4 PS/2 Mouse Port



#### Transmitter Unit (Back Panel)

- 5 Cat5 Extension Port, RJ45 (Female)
- 6 Local PC/KVM Port (integrated with PS/2 keyboard, mouse and video interface)
- 7 Local PC/KVM USB port (Type B)
- 8 Monitor port (HDB15)

### Preparation Before Installation

Before you install the B013-330 Cat5 KVM Extender Set, you should have these items ready:

1. PC/KVM with either PS/2 or USB keyboard, mouse and monitor ports.
2. Check that the display mode of the computer is no larger than 1600 x 1200 pixel dimensions and set the refresh rate to be one that is more commonly used, such as 60 Hz.
3. The B013-330 Cat5 KVM extender supports only standard 5-key mouse and keyboard; more advanced mouse/keyboard functions will not be supported by Cat5 extension.
4. Tripp Lite N001, N002 or N105 Series cables. Note that shielded cable (N105 Series) could give better video for longer extensions.
5. Choose a routing for the Cat5 cable that is as short as possible and avoids machinery, light ballasts and anything else that could generate electrostatic interference.
6. Prepare the PS/2 keyboard, PS/2 mouse and monitor that will be connected to the Receiver Unit and/or the Transmitter Unit.
7. There should be an available power outlet near the remote console unit.
8. Turn off all computers before connecting the B013-330 Cat5 KVM Extender Set.



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## Out-of-the-Box Installation

### Plan the Layout Path and Deploy the Cat5 cable

Step 1: Lay out the Cat5 cable according to your planned path.

### Configuring the Transmitter Unit

Step 2: Connect one end of the Cat5 cable to the RJ45 port of the Transmitter Unit.

Step 3: Connect the Transmitter Unit to the PC/KVM using the Slim 3-in-1 PS/2 KVM cable and/or a USB cable. (Note that if you are using a USB interface, you should connect to the PC/KVM's VGA port using the HDB15 connector of the Slim 3-in-1 PS/2 KVM Cable. Instead of using the PS/2 connectors of the KVM Cable, connect a USB cable from the Transmitter Unit's USB port to the PC/KVM's USB port). The Transmitter Unit is powered through the connector interface with the computer.

Step 4: Set up Local Console: Connect a keyboard, mouse and monitor to the Transmitter Unit's Console connectors.

Step 5: Power on the computer(s), and check the keyboard, mouse and video output on the Local Console to see if they are working properly. Everything should be working properly before you proceed to the following steps.

### Configuring the Receiver Unit

Step 7: Connect the other end of the Cat5 cable to the RJ45 port of the Receiver Unit.

Step 8: Connect the power adapter to the Receiver Unit to power it up before connecting the keyboard, mouse and monitor.

Step 9: Set up the Remote Console: Connect a keyboard, mouse and monitor to the Receiver Unit's Console ports.

Step 10: Check the keyboard, mouse and video output on the Remote Console to see if everything works. At this point, the video may be blurry, requiring you to adjust the Gain and/or Equalization.

Step 11: Adjust the video Gain and/or Equalization level by turning the two mechanical knobs on the front-panel of the Receiver Unit.

## Configuration Hotkeys

The B013-330 Cat5 KVM Extender Set provides configuration hotkeys that are available on the local console only, since the remote console might be located in a non-secured area where access may need to be restricted. With these hotkeys users can block or grant access from the remote console; or, they can put the remote console into view-only mode. If the user needs to use a different hotkey preceding sequence, it can be switched to one of 5 different hotkeys.

### Local Console hotkeys—Hotkey Preceding Sequence

Change the hotkey preceding sequence to one of 5 choices using the sequence below:

Scroll + Scroll + H + (x)      x = Scroll, CAPS, F12, NUM, Esc

### Toggle Remote Console ON/OFF

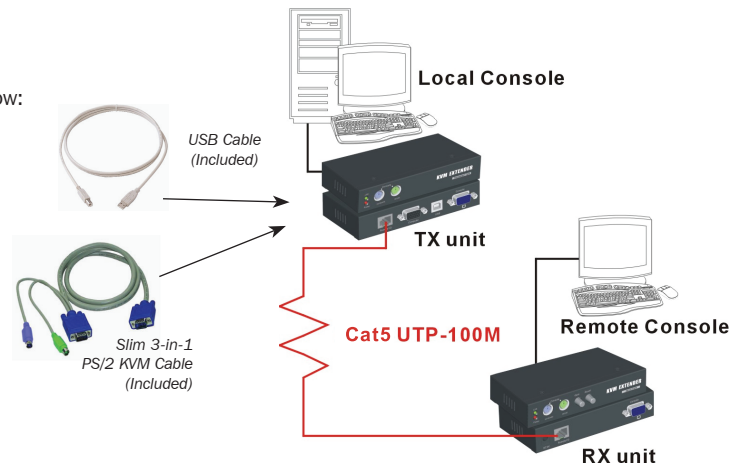
Turn Remote Console access On/Off using the following sequence:

Scroll + Scroll + S      Power LED flashes in fast mode

### Toggle Remote Console View Only ON/OFF

Turn the Remote Console View Only Mode On/Off using the following sequence:

Scroll + Scroll + K      Power LED flashes in slow mode



Cat5 KVM Extender Configuration Diagram

## Warranty and Product Registration

### 3-Year Limited Warranty

TRIPP LITE warrants its products including batteries to be free from defects in materials and workmanship for a period of three (3) years from the date of initial purchase. After 90 days from the date of purchase, TRIPP LITE's obligation under this warranty is limited to replacing parts on such defective products. To obtain service under this warranty, you must call TRIPP LITE or an authorized TRIPP LITE service center. Products must be returned to TRIPP LITE or an authorized TRIPP LITE service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment which has been damaged by accident, negligence or misapplication or has been altered or modified in any way. This warranty applies only to the original purchaser who must have properly registered the product within 10 days of purchase.

EXCEPT AS PROVIDED HEREIN, TRIPP LITE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

EXCEPT AS PROVIDED ABOVE, IN NO EVENT WILL TRIPP LITE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OF THIS PRODUCT, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE. Specifically, TRIPP LITE is not liable for any costs, such as lost profits or revenue, loss of equipment, loss of use of equipment, loss of software, loss of data, costs of substitutes, claims by third parties, or otherwise.

### Product Registration

Visit [www.tripplite.com/warranty](http://www.tripplite.com/warranty) today to register your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!\*

\* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

### FCC Notice, Class B

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications to this equipment not expressly approved by Tripp Lite could void the user's authority to operate this equipment.

### Regulatory Compliance Identification Numbers

For the purpose of regulatory compliance certifications and identification, your Tripp Lite product has been assigned a unique series number. The series number can be found on the product nameplate label, along with all required approval markings and information. When requesting compliance information for this product, always refer to the series number. The series number should not be confused with the marketing name or model number of the product.

### WEEE Compliance Information for Tripp Lite Customers and Recyclers (European Union)

Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Tripp Lite, they are entitled to:

- Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)
- Send the new equipment back for recycling when this ultimately becomes waste

Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice.



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