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# Owner's Manual

## 1U Rackmount Console with 19" Display (for KVM Switch or Server)

Model #: B021-000-19



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Note: Follow these instructions and operating procedures to ensure correct performance and to prevent damage to this unit or to its connected devices.

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# Package Content

- B021-000-19 1U Rackmount Console
- Mounting Hardware
- USB Cable Kit with PS/2 Adapter
- AC Power Cord
- Owner's Manual

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# Overview

The B021-000-19 1U Rackmount Console features an integrated LCD panel, full keyboard and touch pad in a 1U rackmountable housing. These consoles are designed for use with a server or a KVM switch with PS/2 or USB console port connectors.

## Features Include

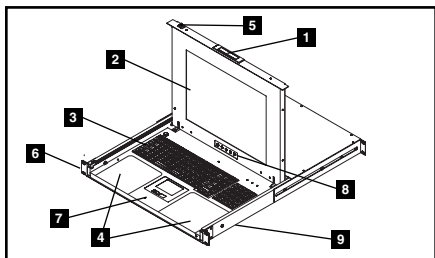
- Rackmount console (19" LCD display, keyboard, touch pad) in an integrated 1U rackmountable housing
- Sleep mode when the monitor cover is closed
- Supports resolutions of up to 1024 x 768 pixels
- Rackmountable in 19" system rack (1U)
- Can be used with any device that includes PS/2 or USB console port connectors

# System Requirements

- Supports most servers and KVM switches that have PS/2 or USB console port connectors

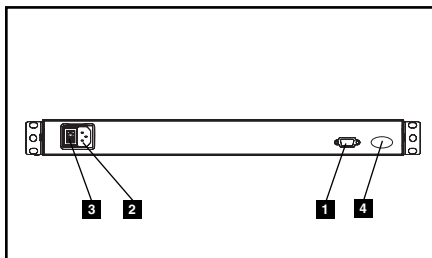
## Introduction

### Front View



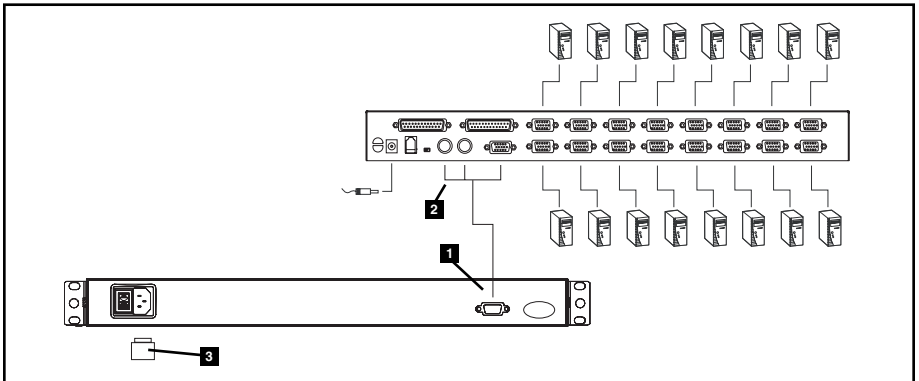
- 1 Hide-Away Handle:** Pull to slide the module out; push to slide the module in.
- 2 LCD Monitor:** After sliding the module out, flip up the cover to access the LCD monitor, keyboard and touch pad.
- 3 Keyboard**
- 4 Wrist Rests**
- 5 Slide Release:** Mechanism to lock the drawer closed when the console is not in use. Prevents it from accidentally sliding open. To slide the the console out, you must first release it by moving this tab sideways.
- 6 Rackmounting Brackets:** There are rackmounting brackets to secure the chassis to a system rack located at each corner of the unit. See p. 6 for rackmounting details.
- 7 3-Button Touch Pad**
- 8 LCD Display Controls:** The LCD OSD controls located here control the position and picture settings of the LCD display. See the LCD OSD Configuration on p. 5-6 for details. Also includes a power LED to indicate the status of the LCD panel.
- 9 Railway Release Tabs:** When the drawer is completely pulled out to the end, the railway system will lock. Push these release tabs on both sides to release the drawer so that it can be pushed back in.

### Rear View



- 1 Console Port Section:** The cable kit to connect the console to your server or KVM switch plugs in here.
- 2 Power Socket:** The power code plugs in here from the AC power source.
- 3 Power Switch:** On/Off rocker switch.
- 4 Auto-Detect (Internal):** Automatically detects a PS/2 or USB connection.

# Installation

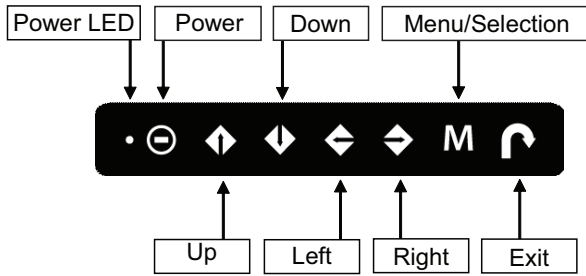







Refer to the example installation diagram above as you perform the following steps:

- 1** Plug the cable kit (provided with this unit) into the port on the B021-000-19.
- 2** Plug the cable keyboard, monitor and mouse connectors on the other end of the USB cable kit into their corresponding ports on the server or KVM switch. The cable kit includes a PS/2 adapter to accommodate both USB and PS/2 connections.
- 3** Plug the power cord into the B021-000-19's power socket and into an AC power source.
- 4** Power up your server or KVM installation.
- 5** Turn on the power to the B021-000-19.

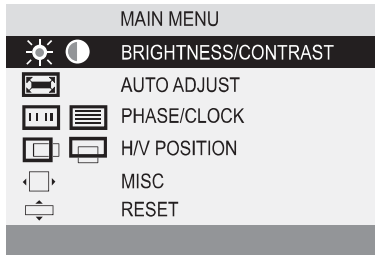
**Note:** The example diagram shows the B021-000-19 connecting to a B022-016 KVM switch. If you are connecting to a different model, the console port connectors may be in a different location.

## LCD OSD Configuration



OSD Menu Controls	Function
<ul style="list-style-type: none"><li>○</li><li>●</li><li>●</li></ul>	Power "ON/OFF" LED Green = OSD menu "ON" Orange = OSD menu "OFF" (power saving mode)
	Press this to turn the monitor on or off.
	Press this to bring up the configuration menu. Also, when scrolling through the menu, press this to select an option.
	Press these to scroll through the menu options.
	Press these to increase or decrease the configuration settings.
	Press this to return to the previous menu screen. Also, press this to perform an auto adjust when not in the menu configuration.

## LCD OSD Configuration (continue)



### BRIGHTNESS / CONTRAST

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Brightness:	Adjusts background black level of the screen image.
Contrast:	Adjusts the difference between the image background (black level) and the foreground (white level).

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### AUTO ADJUST

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Auto Adjust:	Fine-tunes the video signal to eliminate distortion. An "Adjusting" message is displayed during the process.
Auto Tune:	Optimizes phase, clock, position and size. An "Adjusting" message is displayed during the process.

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### PHASE/CLOCK

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Phase / Clock:	Adjusts the vertical (phase) or horizontal (clock) size of the screen image.
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### H/V POSITION

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H/V Position:	Aligns the screen image left or right and up or down.
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### MISC

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Information:	Displays the current resolution, refresh rate and frequency information on the screen.
OSD Timer:	Sets the time duration in seconds that the OSD is visible after the last button is pressed. The factory default is 10 seconds.
Color:	Selects the screen color - 5500K, 6500K & 9500K. The factory default is 9500K.
Language:	Selects the language in which the OSD menu is displayed - English, Chinese, Japanese, German, French, Spanish, Italian.

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### RESET

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Reset:	Restores the settings to factory defaults.
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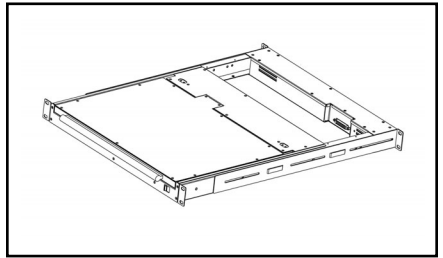
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## Rackmounting

The B021-000-19 can be mounted in a 1U system rack. For convenience and flexibility, mounting hardware is provided with your B021-000-19 package. The various options are explained in the sections that follow.

### Standard Rackmounting

The standard rackmounting brackets that come with the B021-000-19 allow the unit to be installed in standard 1U racks. If the unit can fit into your rack “as is,” simply slide it into the rack and screw it securely in place.



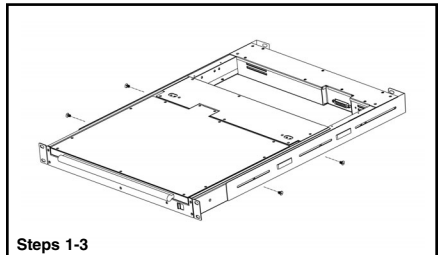
### Optional Rackmounting

If there is not enough clearance for the unit to slide into the rack when the rear flanges face outward, the problem can be resolved with the following procedure:

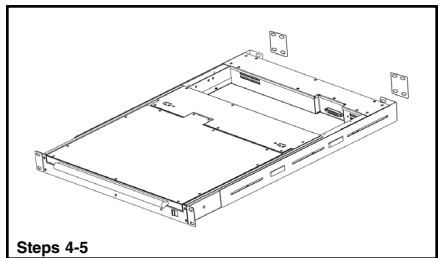
1. Locate the two included mounting brackets.
2. Turn the brackets so that the flanges face inward; then screw them back into the chassis.

**Note:** Be sure to leave a 13mm gap between the flange and the rear of the chassis in order to have enough room to screw the tab to the flange (referred to in step 4).

3. Slide the unit into the rack.
4. Screw the metal tabs to the rear flanges.
5. Secure the unit to the rack with the front flanges and rear tabs.



Steps 1-3



Steps 4-5

The B021-000-19 can also be mounted in a 2-post rack installation using the optional 2-Post Rackmount Kit (model #: B019-000). The mounting hardware allows for the consoles to be opened with the drawer in any position. Heavy-duty 14-gauge steel provides stability and prevents console frame from twisting.

# Specifications

Function		Specification
Connectors	Console	1 x HD15 male
	Power	1 x AC Input socket (IEC-320-C14)
LEDs		1 x Power (Green/Orange)
Resolution		1024 x 768; DDC2B
Environment		Operating Temperature: 32°- 122° F
		Storage Temperature: -4°- 140° F
		Humidity: 0 - 80% RH Noncondensing
Housing		Metal
Weight		26.9 pounds
Dimensions (L x W x H)		25.6 x 19.0 x 1.7 inches

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### 1-YEAR LIMITED WARRANTY

TRIPP LITE warrants its products to be free from defects in materials and workmanship for a period of one (1) year from the date of initial purchase. TRIPP LITE's obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. To obtain service under this warranty, you must obtain a Returned Material Authorization (RMA) number from 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.

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### FCC Radio /TV Interference Notice

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 instruction manual, may cause 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 using one or more of the following measures: reorient or relocate the receiving antenna; increase the separation between the equipment and the receiver; connect the equipment into an outlet on a circuit different from that which the receiver is connected; consult the dealer or an experienced radio/television technician for help. The user must use shielded cables and connectors with this product. Any changes or modifications to this product not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC rules. Operation is subject to the following 2 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.

### 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 marking name or model number of the product.



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