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Owner's Manual

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

Model #: B021-000-19

TRIPP·LITE

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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

Table of Contents

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
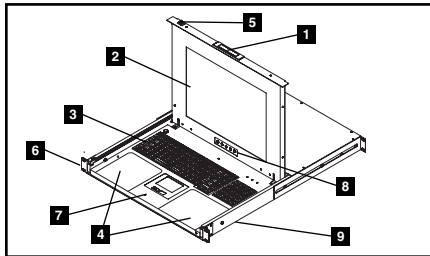
1 **Hide-Away Handle:** Pull to slide the module out; push to slide the module in.

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
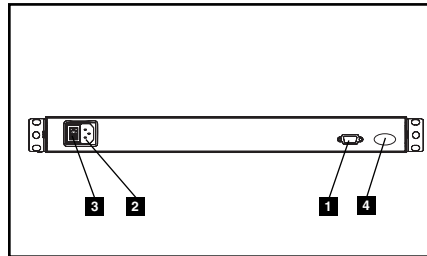
1 **Console Port Section:** The cable kit to connect the console to your server or KVM switch plugs in here.

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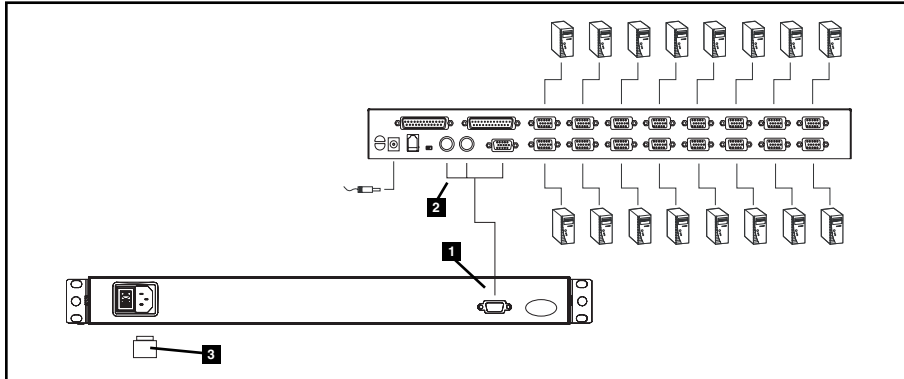
Refer to the example installation diagram above as you perform the following steps:

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.

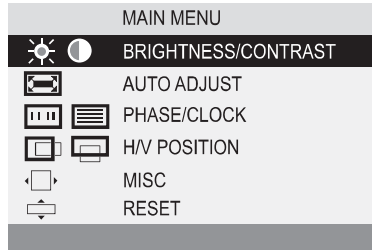## LCD OSD Configuration

| Power LED | Power | Down | Menu/Selection |

· ⊖ ⬆ ⬇ ⬅ ➡ M ↰

| Up | Left | Right | Exit |
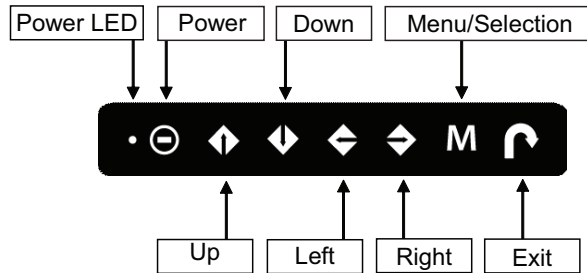
OSD Menu Controls	Function
○ ● ●	Power "ON/OFF" LED Green = OSD menu "ON" Orange = OSD menu "OFF" (power saving mode)
⊖	Press this to turn the monitor on or off.
M	Press this to bring up the configuration menu. Also, when scrolling through the menu, press this to select an option.
⬆ ⬇	Press these to 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)

```
                          MAIN MENU
      ☼ ◑           BRIGHTNESS/CONTRAST
      ▭            AUTO ADJUST
      ▥ ▤          PHASE/CLOCK
      ▭ ▭          H/V POSITION
      ◁▭▷          MISC
      ⇕            RESET
```

BRIGHTNESS / CONTRAST

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

AUTO ADJUST

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.

PHASE/CLOCK

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

H/V POSITION

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

MISC

|	
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.

RESET

Reset:	Restores the settings to factory defaults.

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.
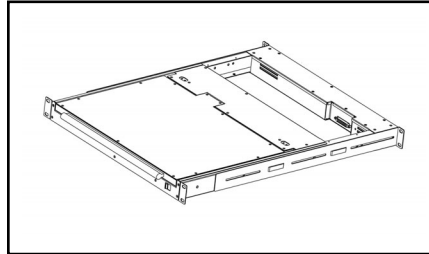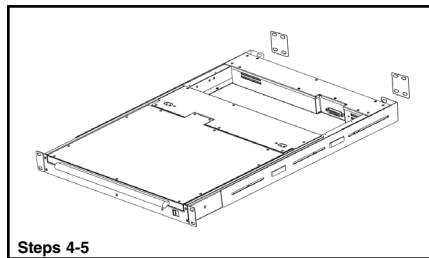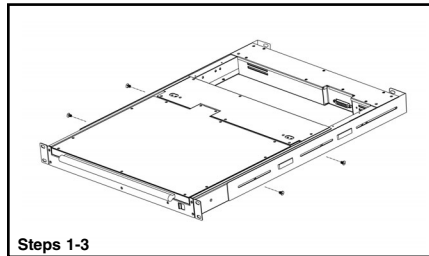
Optional Rackmounting

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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