T1700G2-LED User Guide

T1700G2-LED-UG-1B-v1.0.0-E
Feb 2026

FCC Information

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial 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. Operation of this equipment in a residential environment may cause harmful interference.

VCCI Information (Japan)

この装置は，クラスA情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。 VCCI－A

Raritan is not responsible for damage to this product resulting from accident, disaster, misuse, abuse, non-Raritan modification of the product, or other events outside of Raritan's reasonable control or not arising under normal operating conditions.

If a power cable is included with this product, it must be used exclusively for this product.

CE c UL us LISTED 1F61 I.T.E.

Contents

What's New in the T1700G2-LED User Guide

- Support digital video interfaces: HDMI/DP/DVI-I.
- 2 x USB3.0 Type-A port on front panel and Type-B on rear panel.
- Improve video quality and performance for digital video devices.
- Newer eDP LCD panel with sharper and brighter screen display.
- Covered most of international certifications listed below
  - India BIS
  - China CCC
  - Korea KCC
  - Argentina S mark
  - Australia RCM
  - Vietnam MIC
  - Morocco DoC
  - Mexico NOM
  - Srpska

Read all these instructions carefully before you use the device. Save this guide for future reference.

In This Chapter

What the Warranty Does Not Cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - Repair or attempted repair by anyone not authorized by us.
  - Any damage of the product due to shipment.
  - Removal or installation of the product.
  - Causes external to the product, such as electric power fluctuation or failure.
  - Use of supplies or parts not meeting our specifications.
  - Normal wear and tear.
  - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Safety Instructions

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the LCD console is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend to use the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.

- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could irreparably damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

Rack-mount Safety Instructions

- *Elevated Operating Ambient:*

  If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.
- *Reduced Air Flow:*

  Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- *Mechanical Loading:*

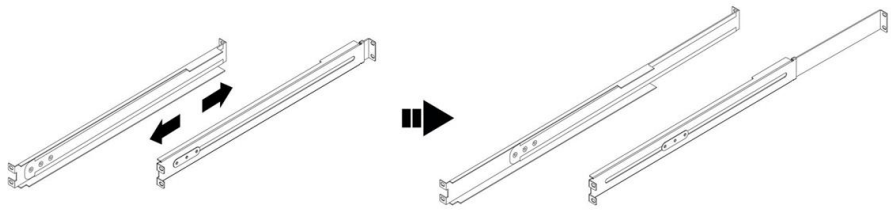
  Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- *Circuit Overloading:*

  Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- *Reliable Earthing:*

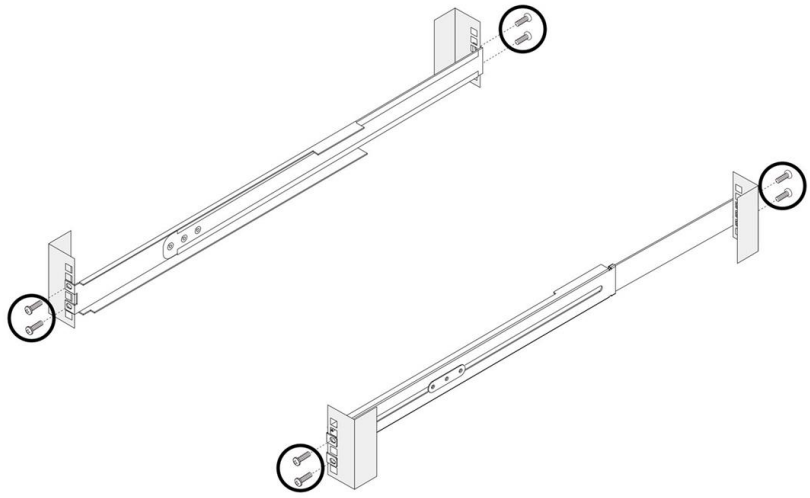
  Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Rackmount Procedure

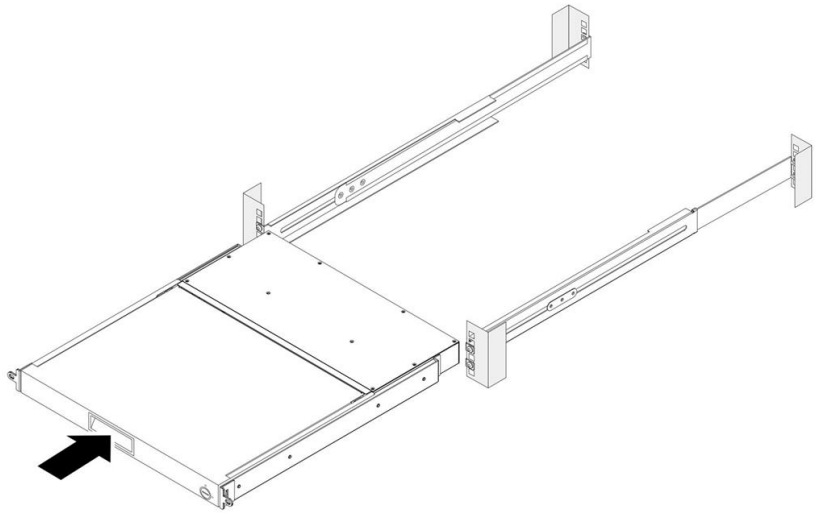
1. Adjust the length of both brackets to match the mounting depth of your rack.
   * Adjustable depth from 523 to 908 mm



2. Fasten the brackets to the rack pillars securely with the screws and cage nuts.

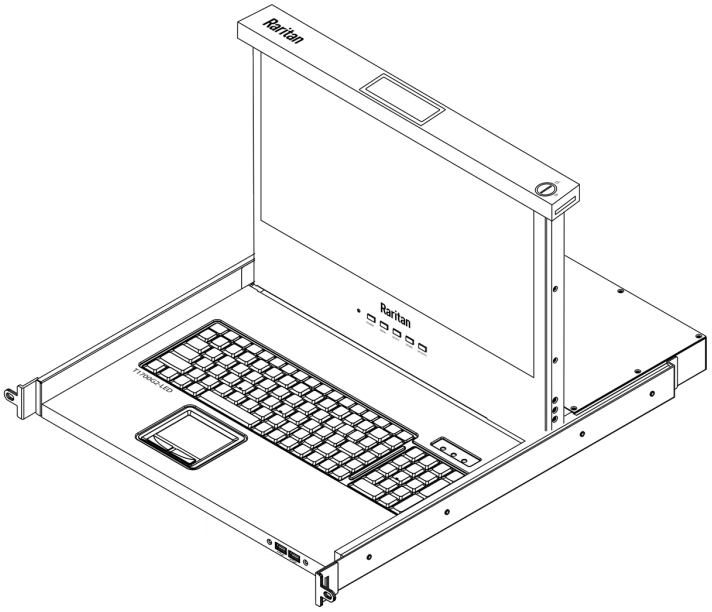


3. Slide the LCD console drawer between the brackets.



4. Fasten the LCD console drawer to the rack pillars by using screws.

Introduction



In This Chapter

Overview

This User Guide introduces Raritan's second generation 1U rackmount LED Console, which is used to operate various KVM switches to manage multiple servers. This rack console drawer combines a 17.3" LED-backlit display, keyboard, and a touchpad. It has built in DVI-I, HDMI and DisplayPort interfaces. The two front USB 3.0 ports allow easy connection to external devices.

Features

T1700G2-LED has following features:

- Easy one person installation
- 17.3 inch eDP TFT LCD panel
- LED back light
- Supports up to 1920x1080@60Hz, and 1080p video resolutions
- Built in DVI-I, HDMI and DisplayPort interfaces
- Two front USB 3.0 ports
- USB console
- Embedded 12V, 5.42A power supply
- Supports rack cabinet depth of 52.3 to 90.8 cm (20.5 to 35.8 inch) with adjustable mountable brackets
- Automatic video turn off when frame folds below 30 degrees angle
- OSD buttons on the front panel

Package Content

Package Content

- 1x LCD Console Drawer
- 1x USB 3.0 Type-B to USB Type-A cable
- 1 x 1.8m Male to Male DVI Cable
- 1x Power cord
- 2x Rackmount brackets
- 1x Screw pack
- 1x Drawer key (to unlock the console)

Specifications

Item	**Description**
Form Factor	1U rack mounting on slide-out rails
Diagonal Size	17.3" TFT
Pixel Number	1920 × 1080 (FHD); 127PPI
Panel Type	Active Matrix TFT LCD with LED backlight unit
Brightness	300 cd/m²
Display Colors	16.7M 72% NTSC
Contrast Ratio	1200:1 (typ.)
Viewing Angle	85/85/85/85 (Typ.)(CR≥10)
Display Area	381.888(H)×214.812(V) mm
Keyboard/ Mouse	104 Keyboard / Touch Pad

Item	Description
DDC compatible	DDC, DDC2, DDC2B
Connectors	front-of-the-rack • 2x USB 3.0 Type A Female rear-of-the-rack • 1x Power Socket • 1x USB 3.0 Type B Female • 1x DVI-I • 1x HDMI • 1x DisplayPort
Power Supply	• Input: 100 to 240VAC, MAX 50 / 60Hz • Output: 12V DC output, 5.42A
Operating System	Windows / Linux / Sun Microsystems
Regulation Approval	FCC, CE
Operation	0° to 40 °C
Storage	-5° to 60 °C
Relative Humidity	5~90%, non-condensing
Dimension (W x D x H)	482.4 x 530 x 43.2 mm
Weight	11 kg (24.25 lbs)

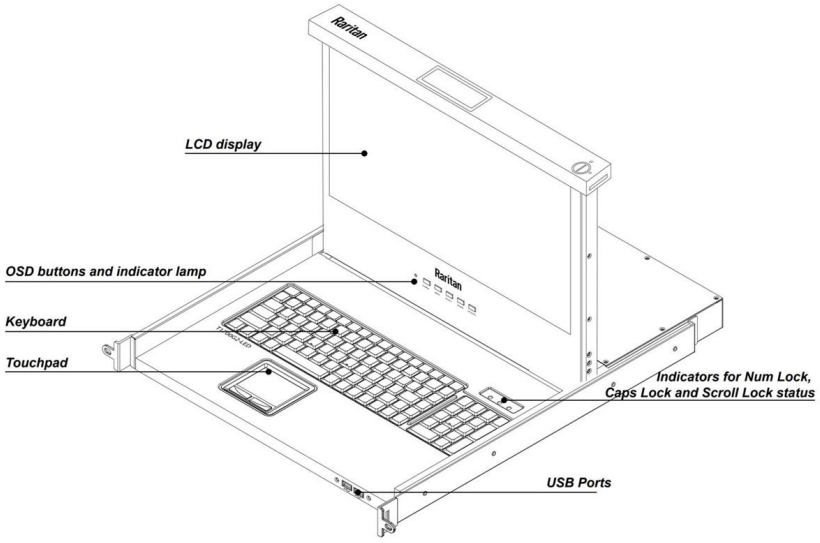
Resolution Support

S/N	Pixel Format	Refresh Rate	Horizontal Frequency	Pixel Frequency	H/V sync Polarity	Remark
1	640 x 350	70.1 Hz	31.5 KHz	25.175 MHz	P/N	Industry
2	640 x 480	50 Hz	24.6 KHz	19.6 MHz	P/N	UEFI/BIOS, VGA Exclude
3	640 x 480	59.9 Hz	31.5 KHz	25.175 MHz	N/N	VESA
4	640 x 480	72.8 Hz	37.9 KHz	31.500 MHz	N/N	VESA
5	640 x 480	75.0 Hz	37.5 KHz	31.500 MHz	N/N	VESA
6	720 x 400	70.1 Hz	31.5 KHz	28.322 MHz	N/P	MGA Text Mode
7	800 x 600	50 Hz	31.0 KHz	31.7 MHz	P/N	UEFI/BIOS
8	800 x 600	56.3 Hz	35.2 KHz	36.000 MHz	P/P	VESA
9	800 x 600	60.3 Hz	37.9 KHz	40.000 MHz	P/P	VESA

S/N	Pixel Format	Refresh Rate	Horizontal Frequency	Pixel Frequency	H/V sync Polarity	Remark
10	800 x 600	72.2 Hz	48.1 KHz	50.000 MHz	P/P	VESA
11	800 x 600	75.0 Hz	46.9 KHz	49.500 MHz	P/P	VESA
12	1024 x 768	50 Hz	39.7 KHz	52.0 MHZ	P/N	UEFI/BIOS
13	1024 x 768	60.0 HZ	48.4 KHz	65.000 MHz	N/N	VESA
14	1024 x 768	70.1 HZ	56.5 KHz	75.000 MHz	N/N	VESA
15	1024 x 768	75.0 HZ	60.0 KHz	78.750 MHz	P/P	VESA
16	1152 x 864	75.0 HZ	67.5 KHz	108.000 MHz	P/P	VESA
17	1280 x 720	50 Hz	37.7 KHz	62.1 MHz	P/N	UEFI/BIOS
18	1280 x 720	60.0 HZ	45.0 KHz	74.250 MHz	P/P	VESA
19	1280 x 960	60.0 Hz	60.0 KHz	108.000 MHz	P/P	VESA
20	1280 x 1024	60.0 Hz	64.0 KHz	108.000 MHz	P/P	VESA
21	1280 x 1024	75.0 Hz	80.0 KHz	135.000 MHz	P/P	VESA
22	1360 x 768	60.0 Hz	47.7 KHz	85.500 MHz	P/P	VESA
23	1366 x 768	60.0 Hz	47.7 KHz	85.500 MHz	P/P	VESA
24	1440 x 900	60.0 Hz	55.9 KHz	106.500 MHz	N/P	VESA
25	1600 x 900	60.0 Hz	60.0 KHz	108.000 MHz	P/P	VESA (RB)
26	1600 x 1200	60.0 Hz	75.0 KHz	162.000 MHz	P/P	VESA
27	1680 x 1050	60.0 Hz	65.3 KHz	146.250 MHz	N/P	VESA
28	1920 x 1080	50 Hz	56.4 KHz	124.0 MHZ	P/N	UEFI/BIOS
29	1920 x 1080	60 Hz	67.5 KHz	148.500 MHz	P/P	VESA

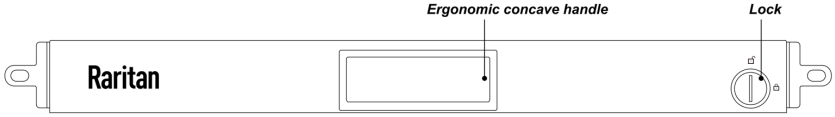
Structure Diagram

Open View



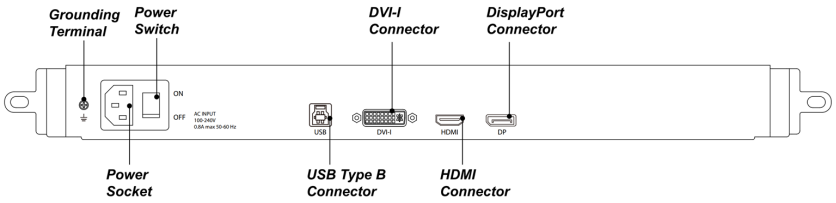
Component	Description
LCD display	Display the OSD and the source devices' video output.
OSD buttons, power button and indicator lamp (Please see Chapter 4 for detail settings)	LCD power indicator lamp: The indicator is lit when the LCD power button is turned on. LCD power button: Turn on or off the power supply to the LCD display. OSD buttons: Display and operate the OSD menu, which adjusts the video or OSD settings of the built-in LCD display.
Keyboard	Standard 104-key keyboard.
Touchpad	Standard mouse touchpad.
Indicators	The Num Lock, Caps Lock, Scroll Lock LEDs are located here.
USB Port	The USB port is available to connect a USB peripheral device to the server, such as a flash drive, a CD-ROM drive, or a wireless USB mouse for users who prefer to use an external mouse.

Front View



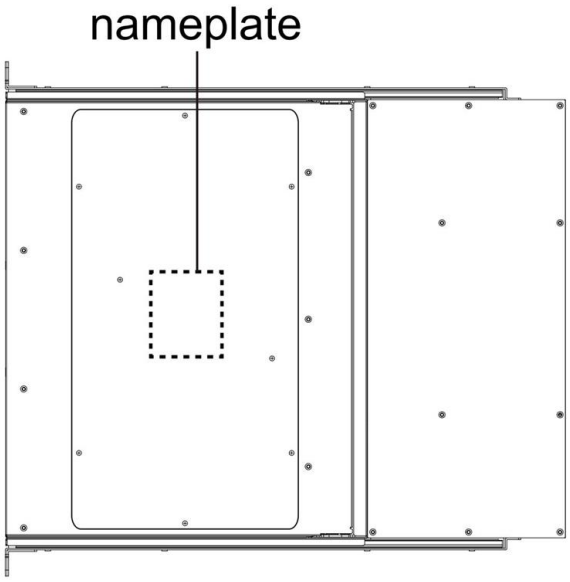
Component	Description
Ergonomic concave handle	Pull out/ Push in the LCD console drawer. Open/ Close the LCD console drawer.
Lock	Lock or unlock the LCD console drawer when it is closed.

Rear View



Component	Description
Grounding Terminal	The grounding wire (used to ground the unit) attaches here.
Power Socket	This is a standard 3 prong AC power socket. The power cord from an AC source plugs in here.
Power Switch	This is a standard rocker switch that powers the device on and off.
USB Type B Connector	Connect to a USB port of the source device
DVI-I Connector	Connect a DVI-I based source device Note: To input video via VGA, a VGA to DVI adapter is required, which should be connected to the DVI-I input port of this device.
DP Connector	Connect a DisplayPort based source device
HDMI Connector	Connect an HDMI based source device

Note: You can check the model name and electrical rating on the nameplate. The nameplate is attached to the devices' base cover as below.



Using the Console Drawer

After finishing the rack mounting, you can start to use the console drawer.

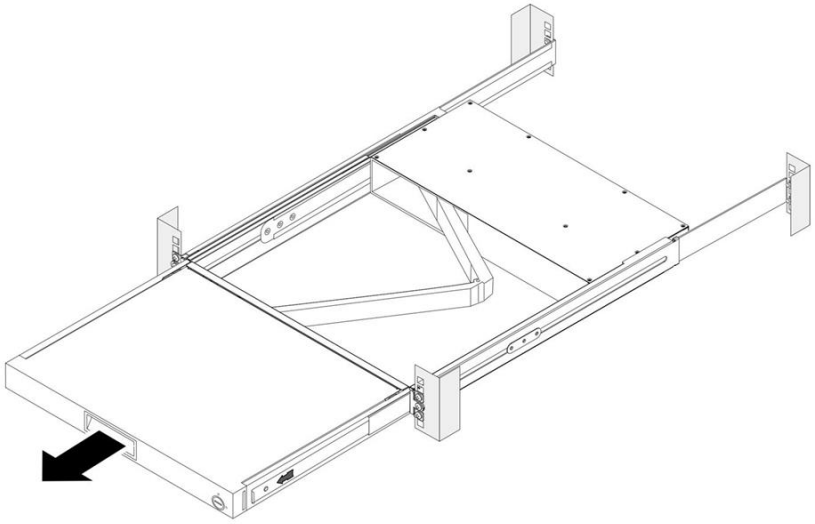
Note: Do not place any object or lean on the console drawer when it is pulled out. This may cause personal injury and/or property damage.

Do not apply force to the monitor screen or scratch it. This could damage the screen.

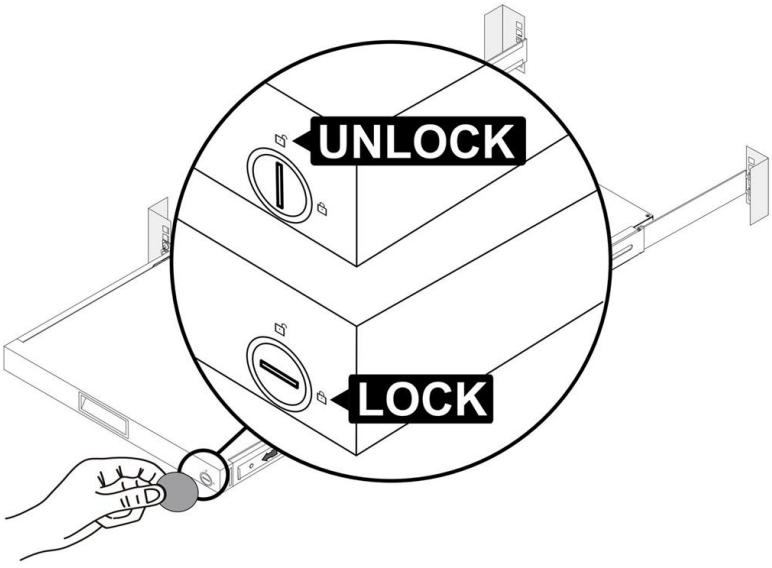
In This Chapter

Opening the Console Drawer

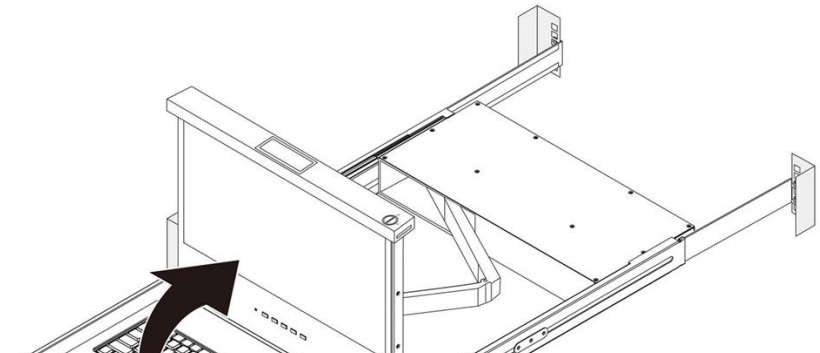
1. Pull out the console drawer.



2. Use the drawer key or a coin-shaped object to unlock this product by turning the lock.

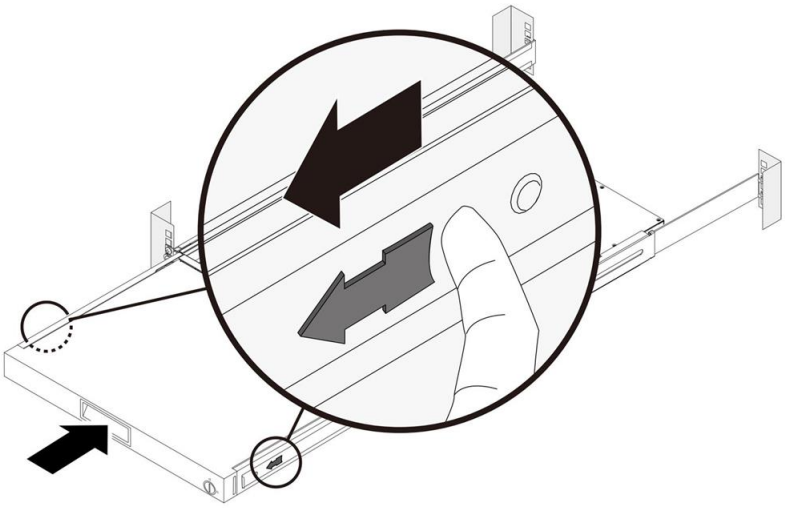


3. Flip up the console drawer.



Closing the Console Drawer

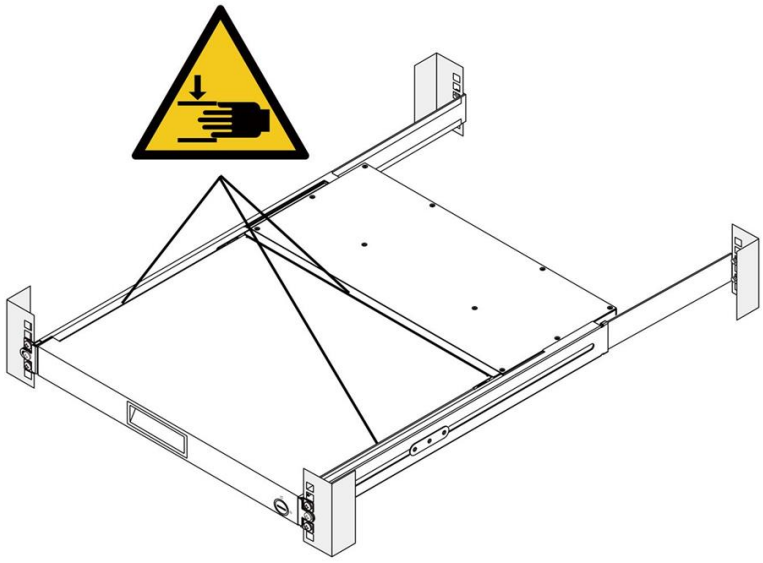
1. Fold down the console drawer.
2. Push both latches with your index fingers in the direction as indicated before sliding the console drawer into the rack.



3. Keep pushing the latches and slide the console drawer in evenly until the device is back into the rack completely.

Warning:

- Keep your hands clear when closing the drawer.
- Use caution when pressing the device rail release latches and sliding a device into or out of a rack; the slide rails can pinch your fingers.



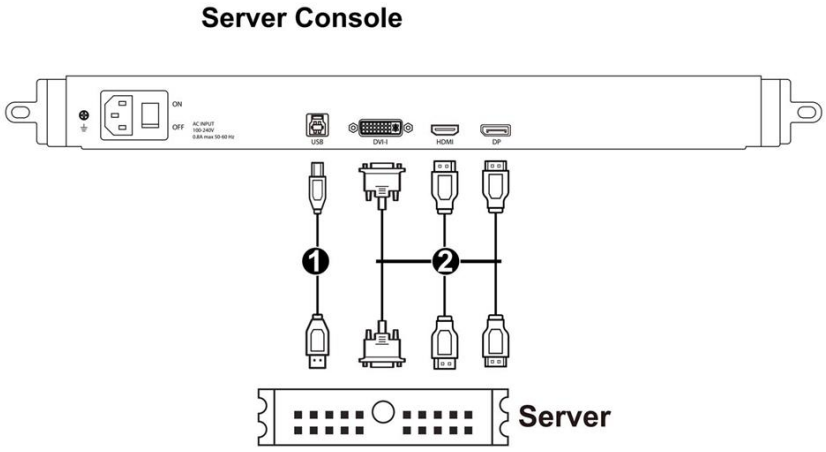
Connecting a Server or KVM Switch

Follow the installation drawings and instructions below for standard connections. After the installation is completed, the LCD console drawer can be powered on. Then power on connected the equipment.

Note:Please pay attention to the grounding of the equipment. You have to choose the same type of video interface and cable on the local console and the server console to connect the equipment, such as a server, monitor, KVM switch, and KVM extender.

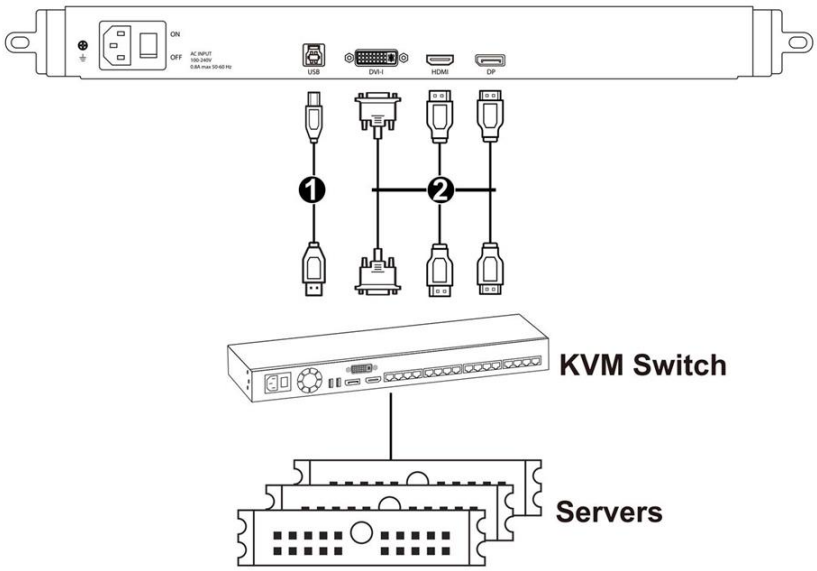
To input video via VGA, a VGA to DVI adapter is required, which should be connected to the DVI-I input port of this device.

Connecting a Server



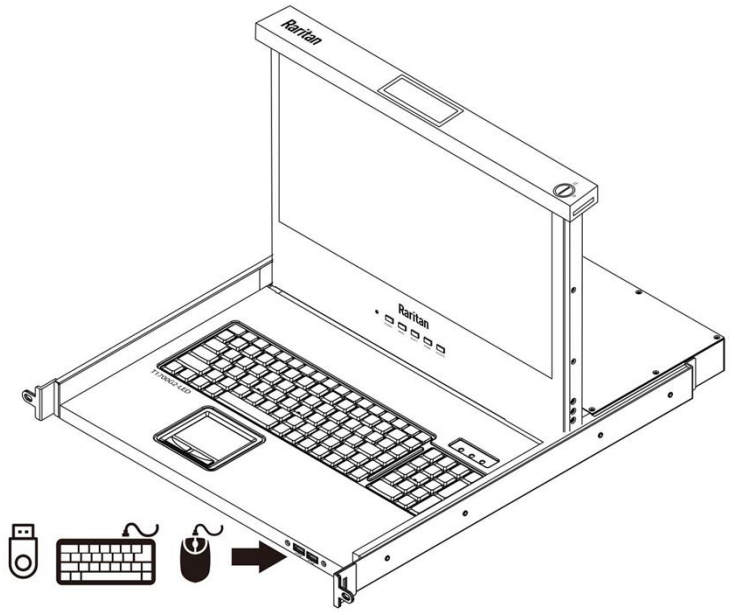
1. USB 3.0 Type A Male to Type B Male USB cable
2. DVI-I, HDMI or DisplayPort cable

Connecting a KVM Switch



1. USB 3.0 Type A Male to Type B Male USB cable
2. DVI-I, HDMI or DisplayPort cable

Connecting an External USB Device



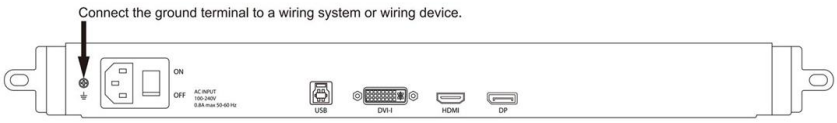
Connect any USB device to the front panel USB-A port of the LCD console drawer.

Note: The server should detect the connection of the external USB device. If necessary, install the driver for the detected USB device.

Grounding Terminal

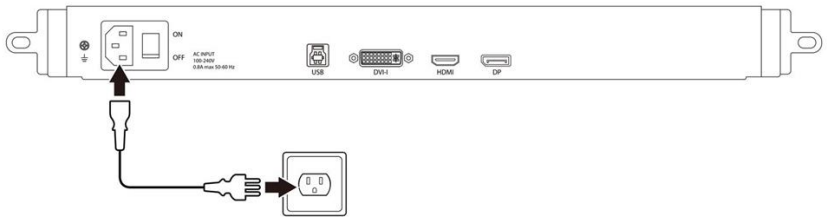
To prevent damage to your installation it is important that all devices are properly grounded.

Note: The required screw size is M3×6.



Connecting the Power Cord

Connect the power cord to the power inlet on the LCD console drawer and then to a power outlet.



Note: Once the relevant signal cables and power cords are properly connected, you can power on the computer and this LCD console to begin using them.

Adjusting the Video Settings

The on screen display (OSD) menu controls the video quality. Use the buttons on the LCD panel to fine-tune the LCD display settings.

► *To auto tune the LCD display:*

1. Press Power to switch on the LCD panel.
2. Press UP/AUTO. An "Auto Adjusting" message appears, indicating that video settings are being fine-tuned. (only available for VGA input).

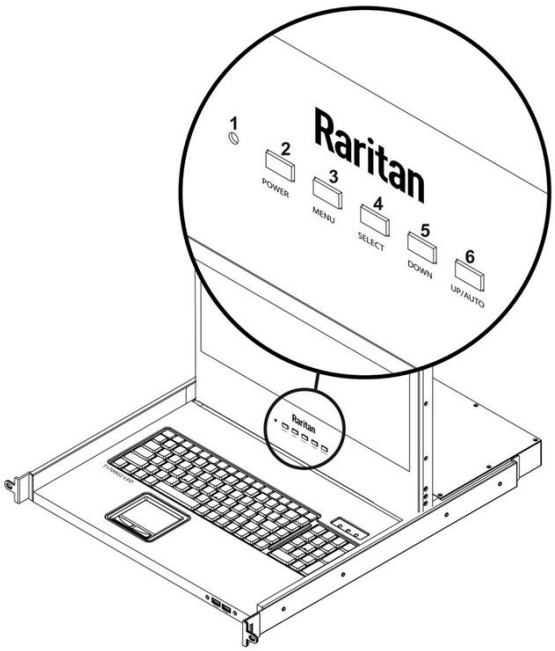
► *To manually fine-tune the LCD display :see On-Screen Display Interface (on page 23)*

1. Press MENU. The OSD menu appears.
2. Press UP/AUTO and DOWN to select the desired setting or option.
3. Press MENU to confirm your selection or changes.
4. After making the necessary changes, press MENU to quit the current setting page or close the OSD menu.

On-Screen Display Interface

In This Chapter

OSD Buttons



No.	Component	Description
1	LCD indicator	The LED indicator lamp indicates the current power status. Light off = LED display is power-off Light on = LED display is power-on Light blinking = LED display is in power-saving mode
2	POWER	Power on/off the built-in LED display.

3	MENU	This button has two functions: When OSD is not displayed, pressing this button triggers the OSD menu. When the OSD is displayed, this button functions as the Back key for going back to the last action.
4	SELECT	This button has two functions: When OSD is not displayed, this button is used to select the video input source (VGA, DVI, HDMI or DisplayPort).  When the OSD is displayed, this button is as the Enter key and can be used to confirm the selection.
5	DOWN	When the OSD is displayed, pressing this button moves down (or left) the selection.
6	UP/AUTO	This button has two functions: When OSD is not displayed, pressing this button optimizes the visual settings. (This function is only available for VGA input). When the OSD is displayed, pressing this button moves up (or right) the selection.

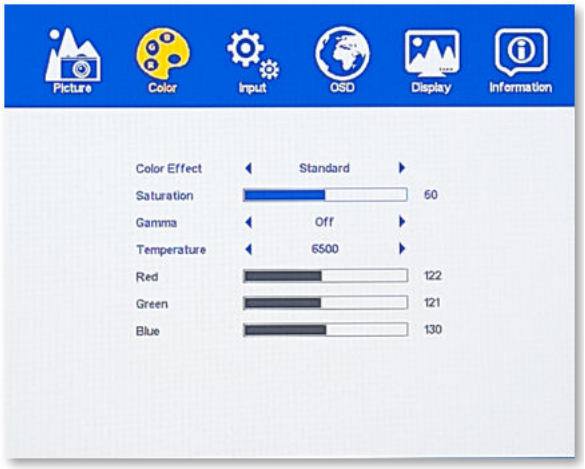
OSD Menus

Following are OSD adjustment settings for the options you choose (highlighted icon).

► *To set Picture:*

No.	Setting	Explanation
1	Brightness	Make the screen image brighter or darker.
2	Contrast	Adjust the difference between the background black level and the foreground white level.
3	Sharpness	Fine tune the sharpness of the screen image.
4	Aspect Ratio	Set the Aspect Ratio
5	Ultra Vivid	On/off the Ultra Vivid function.
6	DCR	On/off the Dynamic Contrast Ratio function.

► *To set Color:*



No.	Setting	Explanation
1	Color Effect	Choose the Color Effect.
2	Saturation	Adjusts the Saturation setting.
3	Gamma	On/off the Gamma function.
4	Temperature	Select the screen color temperatures.
5	Red/Green/Blue	Adjust red, green, and blue colors respectively.

► *To set Input source:*

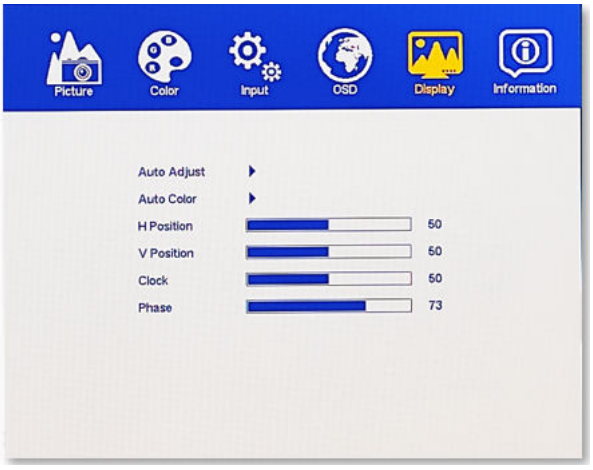
No.	Setting	Explanation
1	Input	Select the video input source – VGA, DVI, DislayPort or HDMI.

► *To set OSD:*

No.	Setting	Explanation
1	Language	Selects the language that the OSD displays its menus in. (only available in English)
2	Menu Time	Set the time duration in seconds for which the OSD remains visible after the last button is pressed.
3	OSD H Position	Adjust the horizontal position of the OSD
4	OSD V Position	Adjust the vertical position of the OSD

5	Transparency	Adjust the OSD transparent, balancing its visibility and the content displayed beneath it.
6	Reset	Reset all settings to factory defaults.

► *To set Display:*



*The adjustments are only for VGA signal input.

No.	Setting	Explanation
1	Auto Adjust	Optimize the visual settings.
2	Auto Color	Perform analog auto color setup.
3	H Position	Move the screen image left or right.
4	V Position	Move the screen image up or down.
5	Clock	Adjust the clock to synchronize the sampling clock of the display with the pixel clock of the connected equipment.
6	Phase	Adjust the phase to synchronize the frequency settings of the display with the frequency output of the connected equipment.

► *To get Information:*

Display the current video input information on the screen.

Disclaimer

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FCC Statement

CE / FCC

This device generates and uses radio frequency and may cause interference to radio and television reception if not installed and used properly. This has been tested and found to comply with the limits of a Class B computing device in accordance with the specifications in Part 15 of the FCC Rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If

this device does cause harmful interference to radio or television reception, which can be determined by plugging the device in and out, the user can try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the computer 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.

Index