

1U 24" Rackmount Monitor (Center Pivot)

Multi Video Inputs, Audio, USB HUB

VGA, DVI, HDMI/DP (option)

Part# RM-F24A-R-C



User Manual

2024-02-23

This manual, covering various aspects of the equipment such as installation, setup and cascade, will help you make full use of this LCD KVM Drawer. Please read this manual carefully and install and operate the equipment according to the manual to avoid damage to this product its accessories.

Product package includes following items:

- 1 * 23.8 inch LCD KVM Drawer;
- 1 * AC Power Cord
- 1 * Rack installation bracket (one pair)
- 1 * USER'S manual
- 1 * 1.8 Meter VGA cable
- 1 * 1.8 Meter DVI cable
- 1 * 1.8 Meter USB A Type cable
- 1 * 1.8 Meter Audio cable

Please check items above. If any item is missing or damaged, please contact your dealer promptly.

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1 Introduction

1.1 Overview

The product integrates an LCD display, keyboard, and touchpad in a rack-mounted drawer console, offering a convenient and space-saving solution for KVM switch technology. With dual slide rails, the LCD screen and keyboard tray can operate independently.

This LCD console is an ideal choice for saving time and effort. It allows all hosts to be controlled from a single main control terminal, thereby: (1) eliminating the need for separate keyboards, mice, and monitors for each host; (2) conserving workspace; (3) reducing power consumption; and (4) eliminating the hassle of switching between computers.

1.2 Features

1. **Rotary Screen:** Experience flexibility with innovative rotary screen, enable to adjust and position the display centered the rack cabinet.
2. **Dual Rails Design:** Flexible dual rails design, capable LCD screen and keyboard tray operated independently, ensuring easy access to the console while optimizing space efficiency.
3. **Large 23.8" Screen:** Immerse oneself in a larger visual workspace with the 23.8" LCD screen, delivering clear images and enhanced visibility.
4. **Space-Saving 1U Height:** This console drawer maintains a 1U height profile, making it ideal for rack space saving.

1.3 Hardware Requirement

1.3.1 Hosts Requirement:

- (1) DVI, VGA graphic card (HDMI/Display Port for option)

Note: the max. resolution of the integrated LCD display is 1920x1200. Make sure the resolution of any connected computer does not exceed this resolution.

- (2) USB port for keyboard and mouse.
- (3) USB 2.0 Hub for peripheral USB device

1.3.2 Cables

- (1) DB-15 VGA cable male to male (HDMI / DP cable male to male for option)
- (2) USB A Type Cable
- (3) DVI-D Cable male to male
- (4) Audio Cable
- (5) IEC Power

1.4 Product Specifications

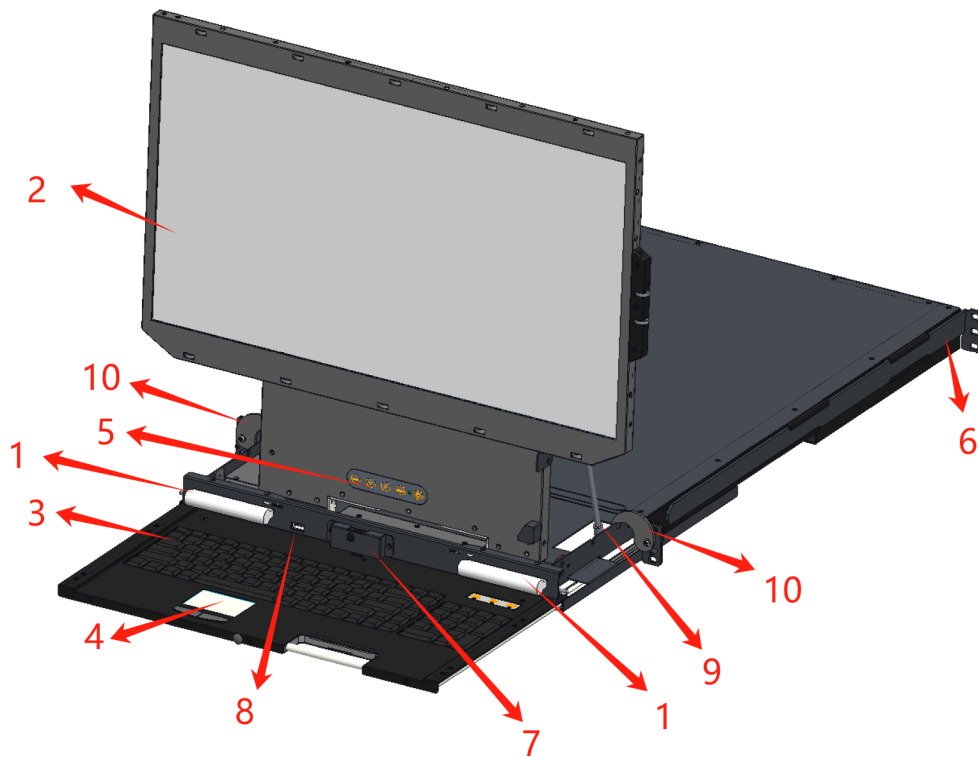
Connectors		DVI-D, VGA, USB, audio
LCD	Size	23.8 inch FULL HD display
	Backlight	LED
	Resolution	1920*1080 (support resolution up to 1920*1200)
	Max.color	16.7M
	Luminance	250 cd/m2
	View Angel (H/V)	178 / 178
	Contrast Ratio	1000 : 1
USB HUB		1x Front , 2x Rear USB 2.0 Type A for peripheral USB devices
KB/Mouse Emulation		USB 2.0
Audio		1 x 3.5 mm audio jack
Rack Depth		600mm to 950mm
Power		100-240V AC 50/60Hz via IEC Type power cord
Environment		Operation temp: 0 to 50℃ Storage temp: -20 to 60℃ Humidity: 10% - 90%, non-condensing Shock: 10G acceleration (11ms duration) Vibration: 17 to 500Hz 1G PTP
Physical Dimensions / Net Weights		448x44x635mm / 20 KGs
Packing Dimensions / Gross weights		620x230x920mm / 26 KGs

1.5 LCD Applicable Format

VGA	DVI	HDMI / DP (option)
1920 x 1200 x 60Hz	1920 x 1200 x 60Hz	1920 x 1200 x 60Hz
1920 x 1080 x 60Hz	1920 x 1080 x 60Hz	1920 x 1080 x 60Hz
1680 x 1050 x 60Hz	1680 x 1050 x 60Hz	1680 x 1050 x 60Hz
1600 x 1200 x 60Hz	1600 x 1200 x 60Hz	1600 x 1200 x 60Hz
1440 x 900 x 60Hz	1440 x 900 x 60Hz	1440 x 900 x 60Hz
1280 x 1024 x 60Hz	1280 x 1024 x 60Hz	1280 x 1024 x 60Hz
1280 x 768 x 60 Hz	1152 x 864 x 60Hz	1152 x 864 x 60Hz
1152 x 864 x 60Hz	1024 x 768 x 60Hz	1024 x 768 x 60Hz
1024 x 768 x 60Hz	800 x 600 x 60Hz	
800 x 600 x 60Hz		

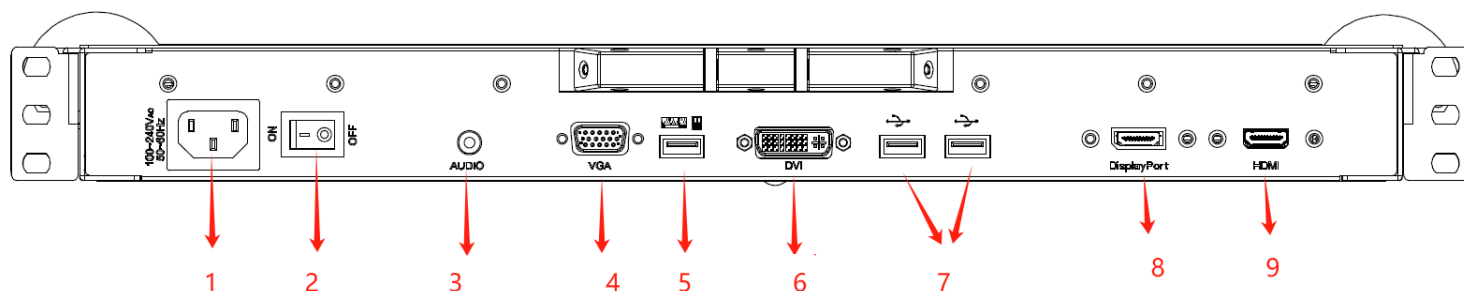
Note: If there is any special resolution requirements or specific applications, please check with the dealer for compatibility and customization options.

1.6 Front View



NO	Part	Function Description
1	Aluminum handle to lock/unlock rails from rack cabinet	
2	23.8" LCD display	
3	104-key Notebook Keyboard	
4	Touchpad Mouse	
5	OSD buttons to manipulate the display settings	
6	Rear mounting brackets to install the console into rack cabinet bracket	
7	Keyboard locker	
8	Front USB 2.0 HUB port	
9	Gas shock to support LCD screen	
10	Rails lockers for operating status	

1.7 Rear View



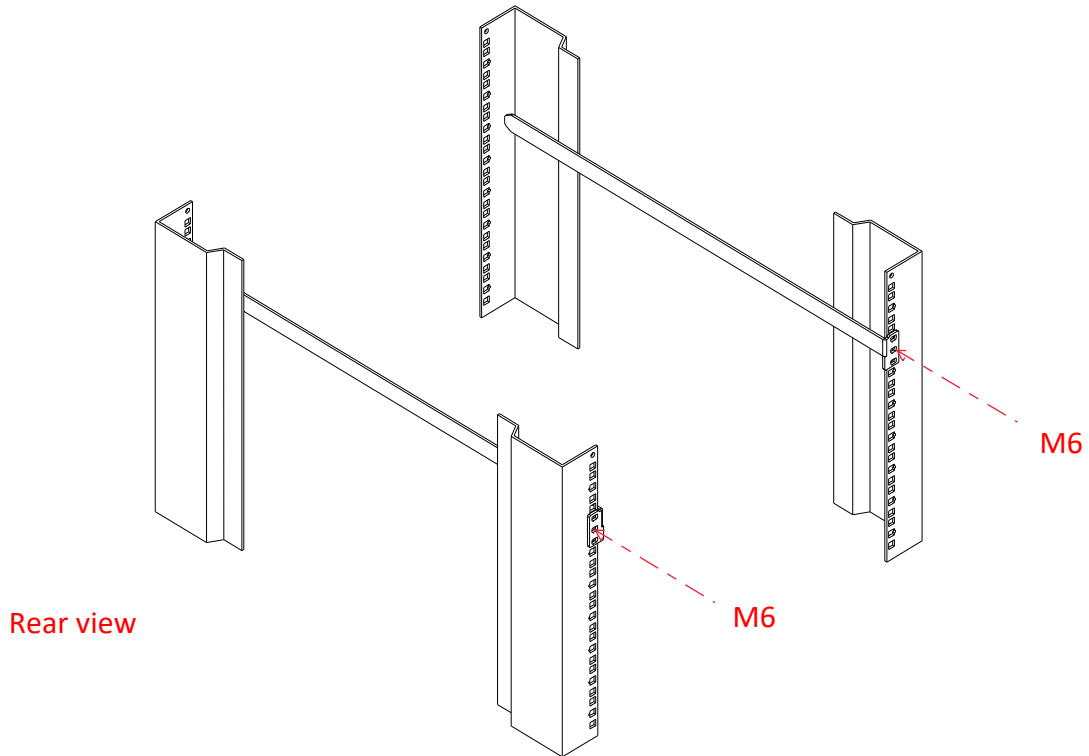
No	Connector	Description
1	AC Power port	Standard IEC Type AC Inlet
2	Power Switch	Rock switch, turn on/off the main power of the console
3	Audio port	Connect for server or KVM
4	VGA port	Connect to server or KVM
5	USB port	Connect to server or KVM (for Keyboard/Mouse)
6	DVI port	Connect to server or KVM
7	USB 2.0	For USB peripheral device
8	DP port (option)	For option, connect to server or KVM
9	HDMI port (option)	For option, connect to server or KVM

2 Installation

2.1 Rack Installation

Step 1

Attach two rear mounting brackets to the rear side of the rack cabinet, using standard M6 cage nuts and screws.



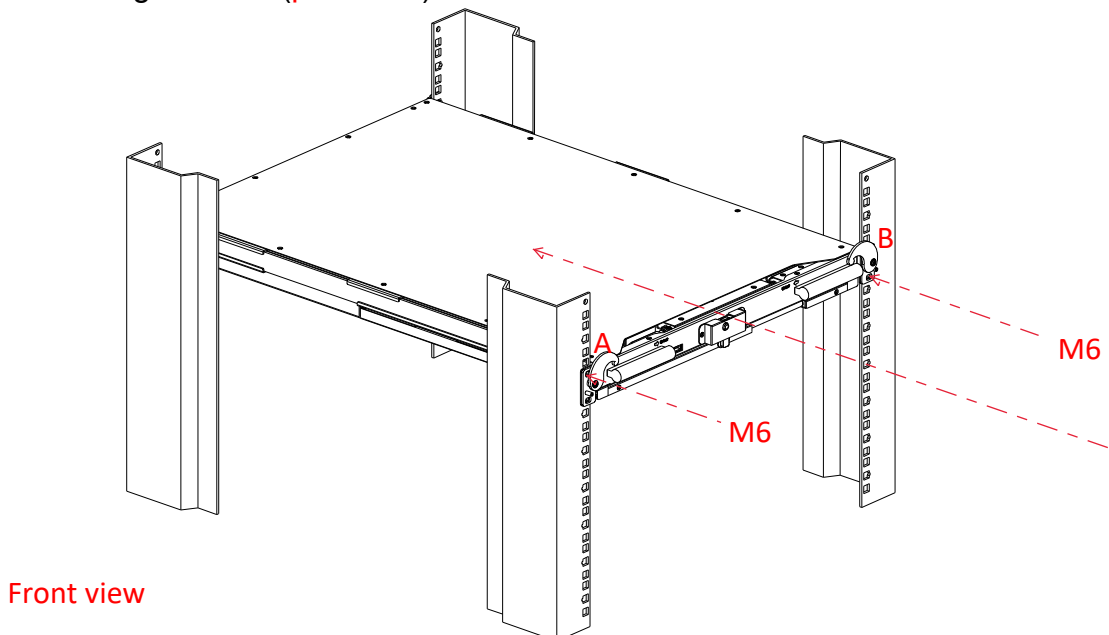
Step 2

Remove left and right locker (point A/B).

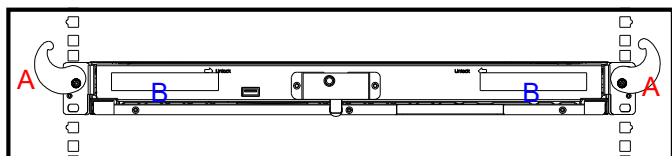
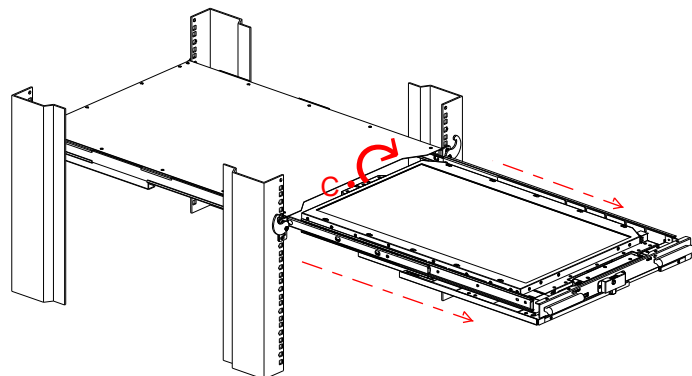
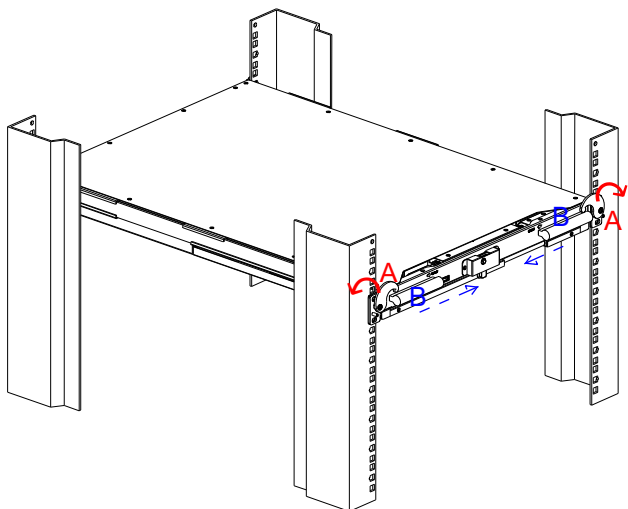
Install the LCD drawer chassis by inserting left and right rear mounting bracket.

Attach front mounting brackets to the front vertical mounting rails of the rack cabinet using standard M6 cage nuts and screws.

Reattach left and right locker (point A/B).



Operation

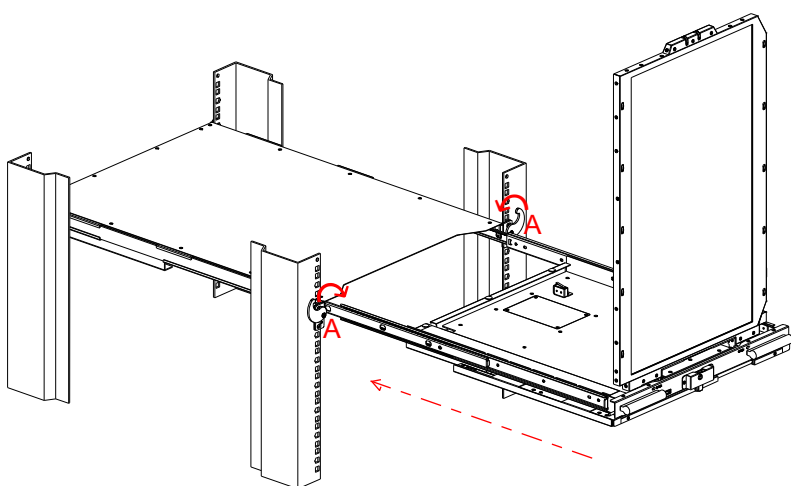


Step 1

- Posit Latch A as in the picture
- Unlock Handle B to the inside direction and pull out LCD console

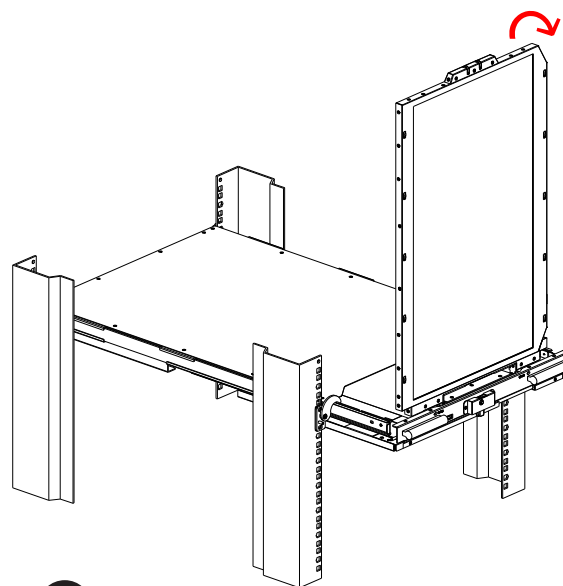
Step 2

- Fully pull out the LCD console
- Hold point C to lift up LCD panel



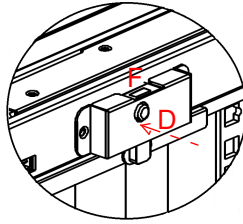
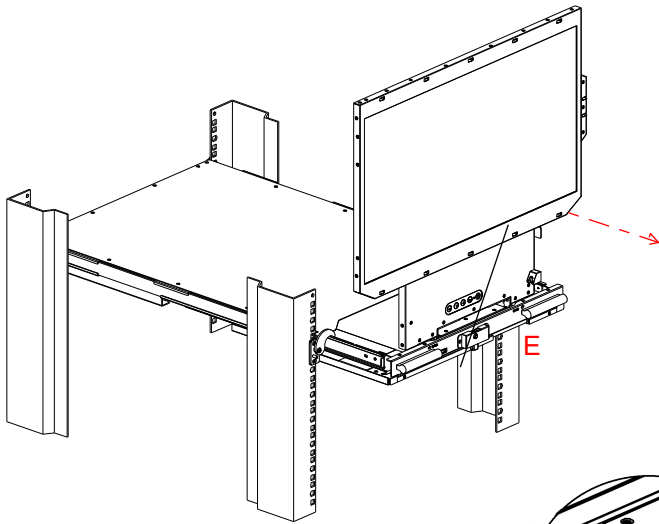
Step 3

- Adjust rails position (toward the rack cabinet) and use the locker A to stable the rails



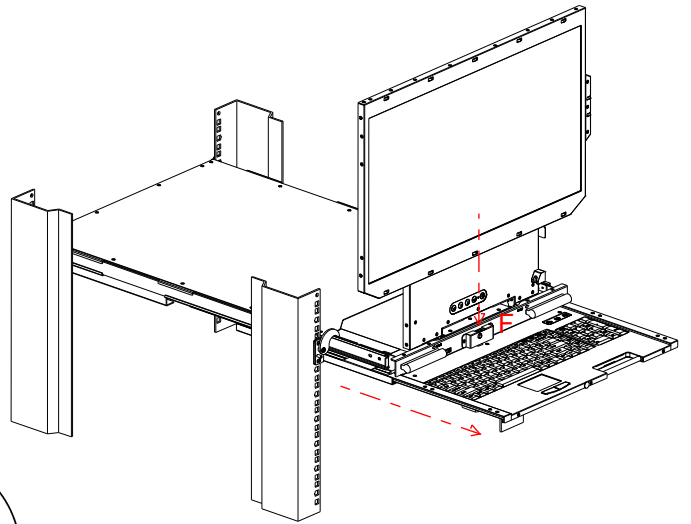
Step 4

- Rotate the LCD screen clockwise to the operating position



Step 5

- Press button D to unlock keyboard tray
- Hold handle E to pull out keyboard tray



Step 6

- Press locker F to stable the keyboard tray
- Follow Step 5--->4--->3--->2--->1 to storage the LCD drawer into the rack cabinet

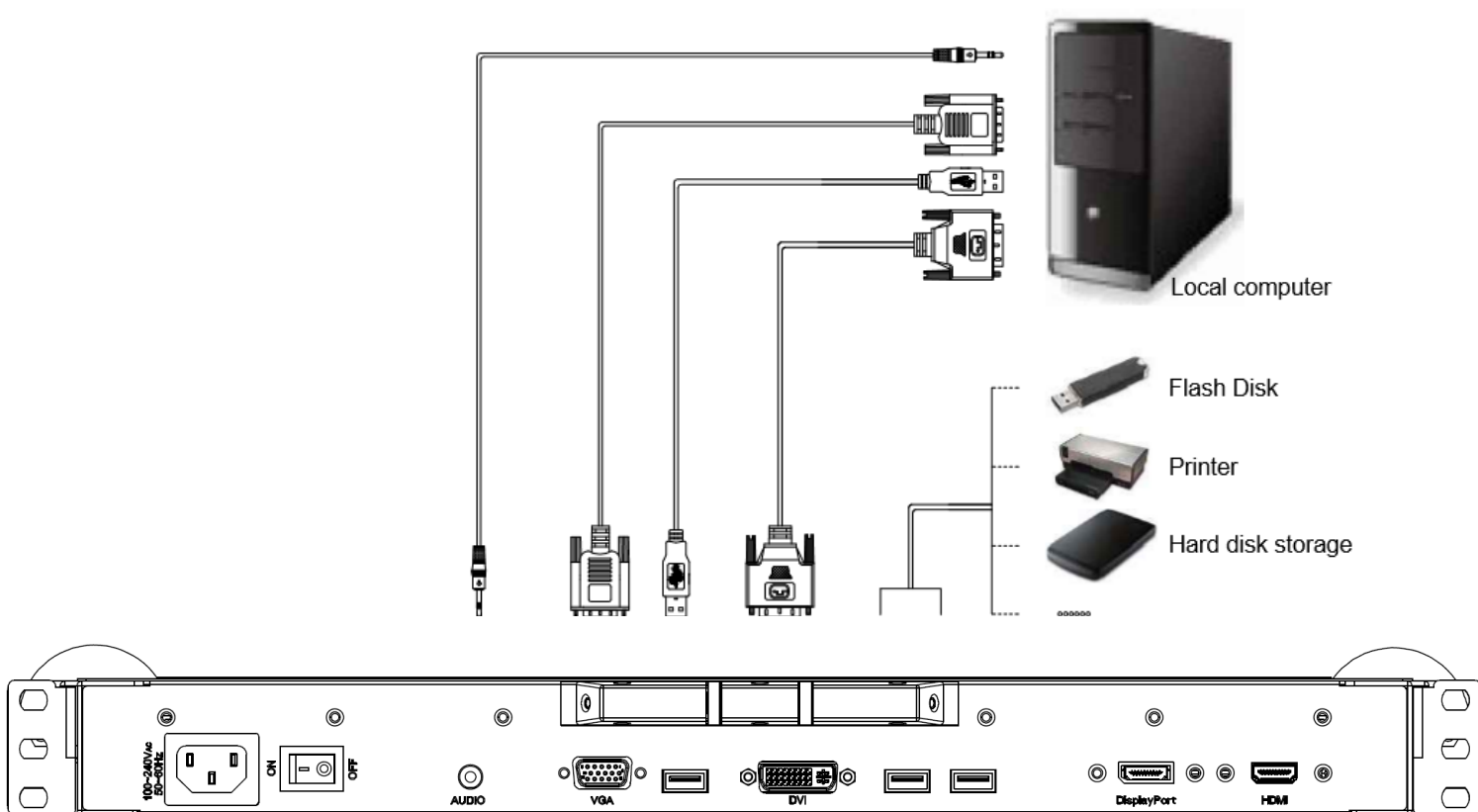
2.2 Standard Installation

Please follow the instructions below for standard installation:

1. Switch off the LCD KVM and the servers
2. Connect the USB cable between the LCD console and the server
3. Connect the Video cable(s) between the LCD console and the server(s)
4. Power up LCD console
5. Power up the server(s)

* Please Pay Attention to Earthing of Equipment

*The video signal supports hot-plug functionality, it eliminates the need for manual selection of the current signal. The system will automatically detect and adapt to the connected signal.

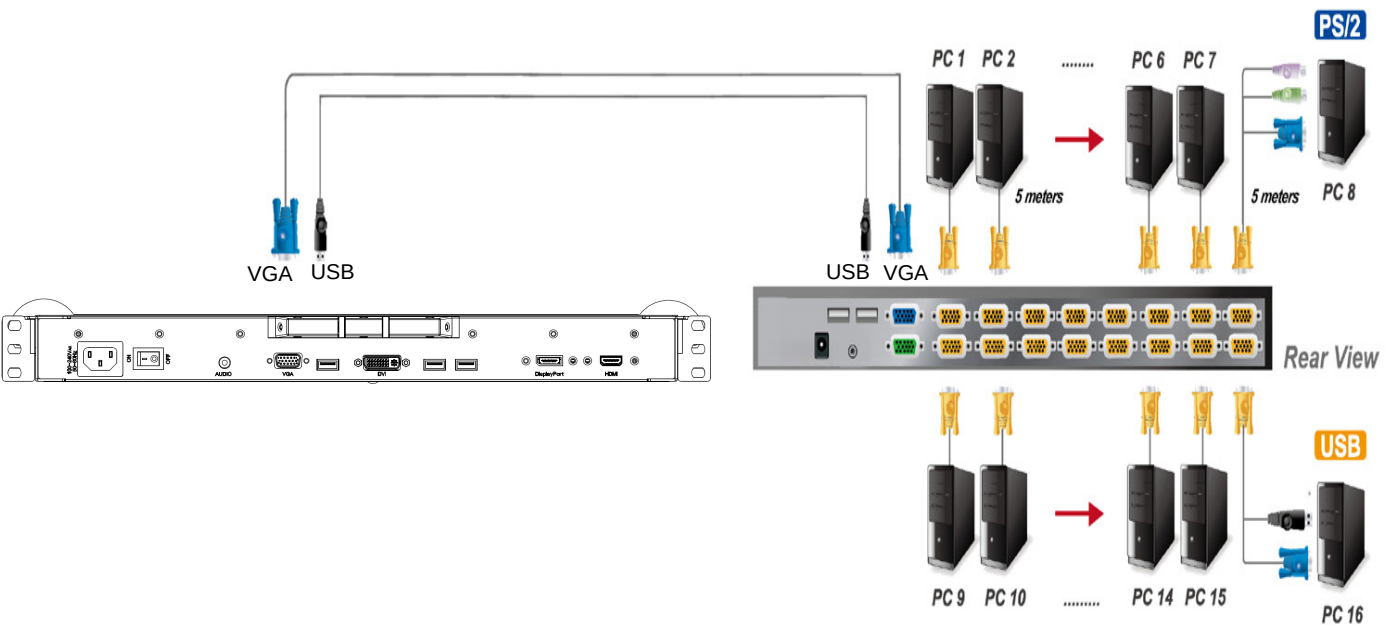


2.3 LCD KVM Console and KVM Cascade Installation

LCD KVM console port can be directly connector to another KVM Switch as cascade to Perform unified management all connected hosts. Please follow the installation drawing and instructions for standard installation:

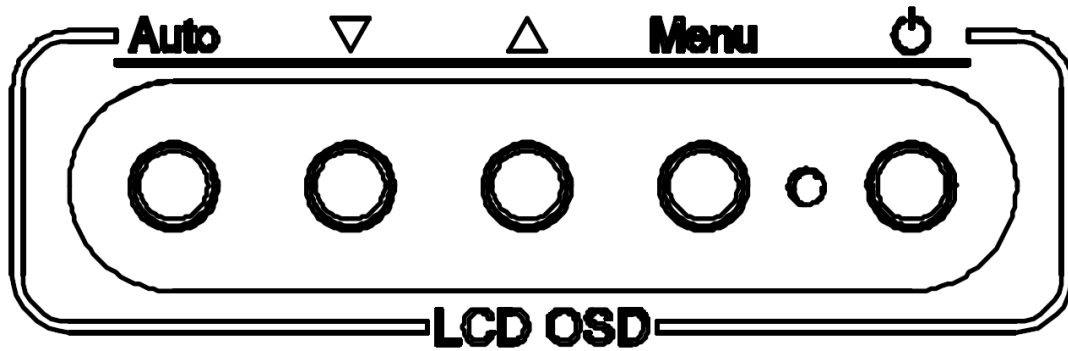
- (1) Power off all the equipment before the connections.
- (2) Use a USB cable and a VGA cable to connect between the LCD console and the console port of KVM switch .
- (3) Turn on the KVM and LCD console first, and then power on the hosts to prevent the loss of any keyboard or mouse signal.

Cascade connection drawing:



2.4 LCD OSD Menu Setup

On-screen display menu can establish on the LCD display. There are five buttons:



Button	Functions
	Turn on / off the LCD Display
Menu	Activate OSD menu / press to confirm the selection and enter into the sub-menu
	For scrolling or adjusting
	For scrolling or adjusting
Auto	For video input selection

3 Certificates

The LCD console is in conformity with the relevant Union harmonization legislation:

2014/35/EU (LVD Directive) EN 60950-1: 2006+A11: 2009+A1: 2010+A12: 2011+A2: 2013

2014/30/EU (EMC Directive) EN 55032: 2015
EN 61000-3-2: 2014
EN 61000-3-3: 2013
EN 55024: 2010+A1: 2015

2011/65/EU (RoHS Directive) on the restriction of the use of certain hazardous
and its amendment substances in electrical and electronic equipment (EEE)
(EU) 2015/863 with exemption clauses 6c, 7a, 7c-l.

REACH Regulation (EC) NO. to determine the content of the two hundred and twenty-
1907/2006 three Substances of Very High Concern (SVHC) in the
submitted sample. The SVHC which is defined as
UVCB substance (substance of **U**nknown or **V**ariable
composition, **C**omplex reaction products or **B**iological
materials)