Rackmount HDMI LCD Console (LH1801)

User Manual

Description

The rack mount 18.5" HDMI LCD console integrates the video, keyboard and mouse in a 1U rack space; it is fit for installing in a standard 19" server rack. It can control one computer from a complete keyboard, video and mouse control unit.

Features

- 3 in 1 LED console integrating the monitor, keyboard and mouse.
- Directly connect computer or KVM switch to control single or multiple computers.
- 18.5" LED TFT monitor with high resolution up to 1920 x 1080@60Hz.
- Support HDMI video input.
- Ultra-slim keyboard with 99 keys (82+17).
- Standard PS/2 touchpad.
- With lock latch in front panel.
- Automatic-locking guide rail.
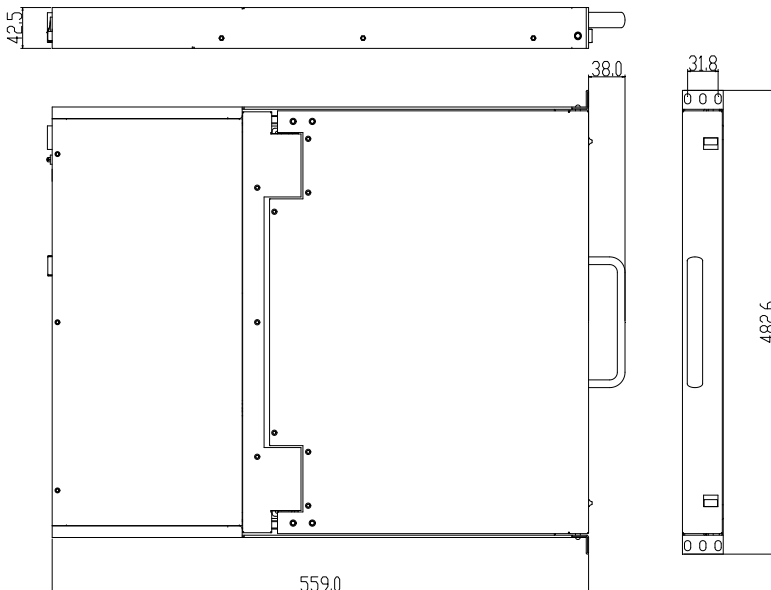
Appearance
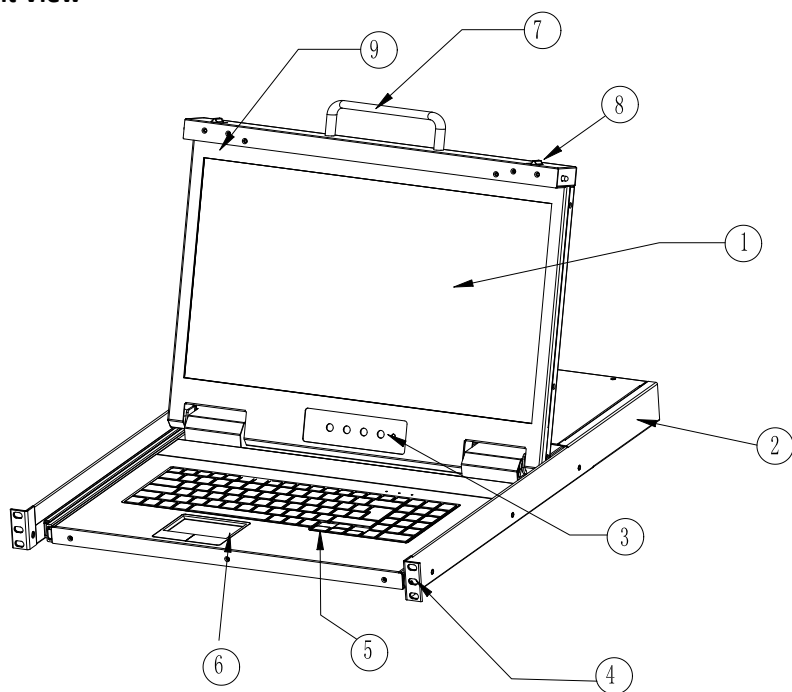

Figure 1-1.1 Appearance

Front View

Figure 1-1.2 front view

1. LCD Display
2. Rear Bracket Slot
3. OSD Controls
4. Front Bracket
5. Keyboard
6. Touchpad
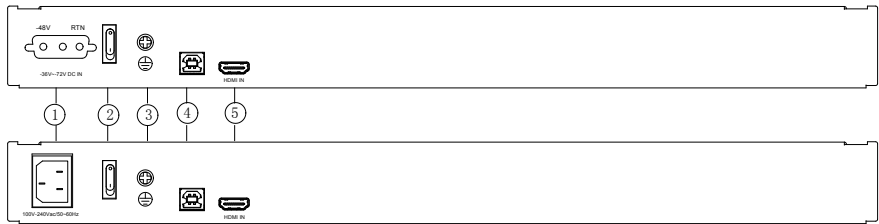7. Handle
8. Lock Latch
9. Display Panel

Rear View

Figure 1-1.3 Rear View

1   Power Input Socket (AC)
2   Power Switch
3   Grounding Screw
4   USB Port: keyboard/mouse signal input
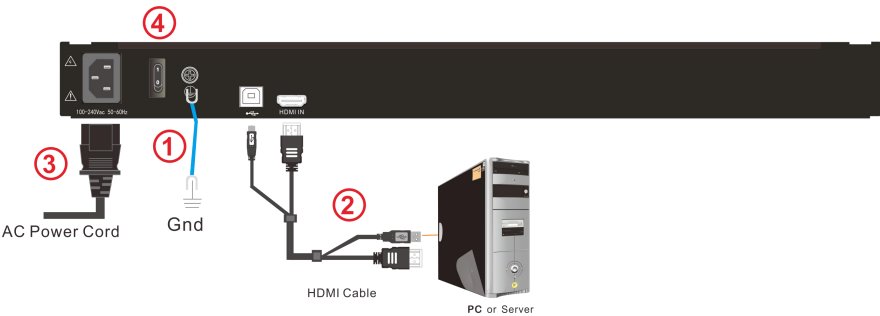5   HDMI Port: video signal input

Cable Connection

Figure 1-1.4 cable connection

To ensure signal integrity and simplify cable layout, we strongly recommend you use high quality cables.

Rack Mounting

A standard rack mounting kit is provided to mount the switch in a depth of in a standard 19" rack.   For other mounting distance (620-720mm), the rear brackets need to be customized accordingly

With one person hold the switch in place and the other person slides the L bracket into the switch's side mounting brackets from the front to the back, then screws the brackets to the rack. (See below installation diagrams)
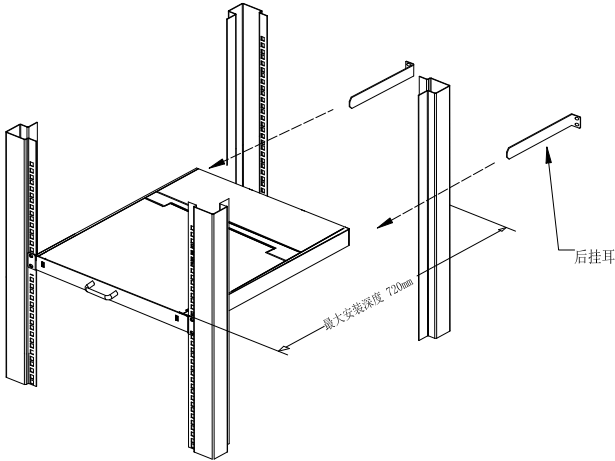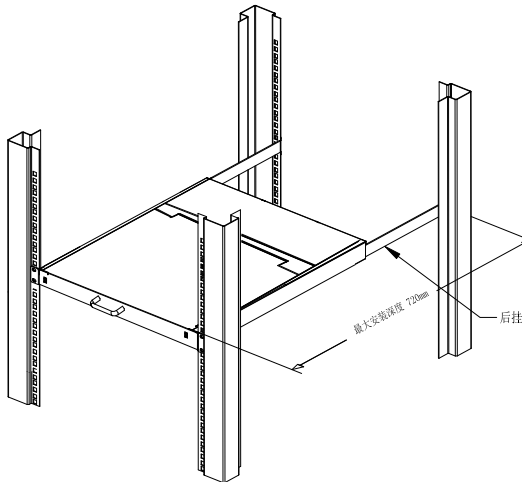

Figure 2-1

Figure 2-2

Opening the Console
- Power on the KVM after connecting cables.
- Power on the server or PC after power on the KVM.
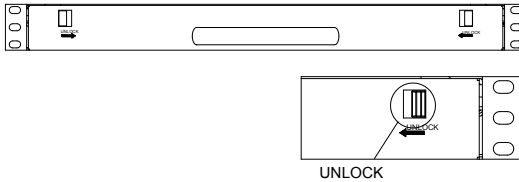- Release the release catch.

UNLOCK

Figure 2-3 unlocking

*Note: The release catch can only do horizontal locking, it can't bear any load.
- Pull the KVM console all the way out and the slide rail automatically locked to its place.
- Rotate the LED panel all the way back to expose the LED screen; the LED module can be rotated up to 108°.
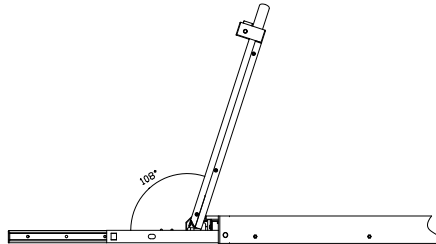

Figure 2-4 open angel of the console

Closing the Console
- Close the console and the power automatically shut down.
- Push the release catch in the direction of the arrow; push the LED panel all the way in until it automatically locks up.
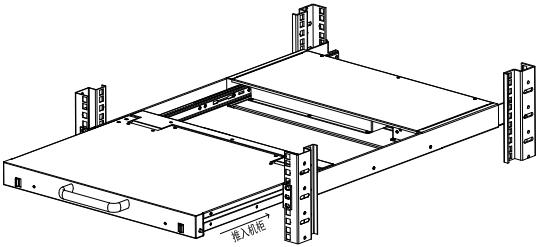
Figure 2-5 unlocking the slide rail

LCD OSD Configuration

Figure 3-1 OSD controls

Buttons	Functions
MENU SELECT	Press this button invokes the menu function and brings up the main menu.
EXIT/AUTO	Press EXIT exits the current menu and returns to the previous menu or presses this button exits the LED OSD. Press AUTO for automatic configuration.
SL-/SL+	Press this button moves your menu to make corresponding adjustment.
LED state	Green: running Red: power off or access nonstandard VESA signal Flash green: energy saving mode or no signal

Table 1-2.1 OSD controls instructions

Press AUTO when the screen migrates after power on or under other circumstances, then the screen auto configure to its best display state.(It might can't be adjusted to its best state if part of the display mode is not standard VESA mode, if so return back to OSD menu to RESET, then it will back to normal.

We suggest our customers to set up the display mode at 1280x1024, refresh rate at 60Hz.

Specifications

Model		LH1801
Computer Connections		1
Port emulation	Keyboard, mouse	PS/2, USB
LCD monitor	LCD model	FHD TFT
	View area	18.47 "
	Optimum resolution	1920×1080@60Hz
	Display color	16.7 M
	Brightness	250cd/m² (T y p)
	Contrast ratio	1000: 1(T y p)
	Pixel pitch(mm)	0.213(H) × 0.213(W)
Mouse	X/Y resolution	>1000 points / inch, (40 points/mm)
	Scroll wheel	Support scroll wheel function
Keyboard		99 keys (82 keys main keyboard +17 independent small numeric keyboard)
Input power		100V – 240Vac, 50 ~ 60Hz, <1.5A
Power consumption		17W
Operating temperature		0 – 50 ℃
Store temperature		-20 – 60 ℃
Humidity		0 – 80% RH, non-condensing
Net weight		12.5 kg
Product dimension (W × D × H)		448mm×560mm×42.5mm
Package dimension (W × D × H)		765mm×615mm×185mm