

LCD Console Drawer

17.3" Full HD TFT LCD Console Drawer with U.S. Keyboard & Touch Pad



KCD-FH17-SS3V

User Manual

Rev. OCT-KCD-UM01.1



Safety Precautions

Unpacking: Carefully unpack the KVM LCD Console Tray and retain the original packaging for potential future transport. Handle the unit gently to avoid damaging the display, keyboard, or touch pad. Thoroughly read all included instructions before use and keep this manual for future reference.

Power Supply: Always use the original power supply that comes with the KVM LCD Console Tray. Using an incompatible power source may lead to equipment damage or safety hazards, including electrical fires or shocks.

Ventilation: Ensure the unit has sufficient ventilation when installed in the rack to prevent overheating. Avoid blocking vents or airflow openings, as this can lead to thermal buildup. Do not install the tray in an enclosed space without adequate airflow.

Moisture and Humidity: Keep the KVM LCD Console Tray away from moisture and areas with high humidity. Excessive moisture can cause short circuits, corrosion, and damage to sensitive components like the screen and touch pad. Ensure the environment remains dry and use dehumidifiers in humid conditions.

Cleaning: Do not use aerosol or liquid cleaners directly on the device. Instead, use a soft, dry cloth to clean the surfaces. Ensure the device is powered off and unplugged before cleaning. Never allow cleaning liquids to come into contact with the screen, keyboard, or touch pad to avoid electrical damage.

Grounding: Proper grounding is crucial for the safety of the equipment. Ensure the KVM LCD Console Tray is correctly grounded according to local electrical codes and best practices. This will help protect against electrical shocks and damage to sensitive internal components.

Overloading: Avoid overloading power circuits by plugging multiple devices into a single outlet or power strip. Always use a power distribution unit (PDU) or surge protector to evenly distribute power and reduce the risk of electrical damage to the unit or other connected equipment.

Cable Management: Proper cable management is essential in rackmount installations to avoid physical damage and potential safety hazards. Use cable ties or clips to organise cables and keep them securely routed inside the rack. Ensure that cables are not in high-traffic areas where they could be accidentally pulled or tripped over.

Fire Safety: Ensure that the KVM LCD Console Tray is installed away from any flammable materials, and that the environment complies with fire safety standards. Ensure there are smoke detectors and fire extinguishers in proximity to the equipment, particularly in server rooms or data centers.

Regular Inspections: Regularly inspect the unit for damage, wear, or malfunction. Check for frayed cables, loose connections, cracks in the LCD screen, or damage to the keyboard and touch pad. Address any issues promptly to avoid further damage and maintain the functionality and safety of the equipment.

Rackmount Installation: When installing the KVM LCD Console Tray into a rack, ensure that it is securely mounted, and the sliding mechanism is free of obstruction. The unit should be installed in a way that allows easy access without straining the equipment. Follow manufacturer instructions for rack installation to prevent accidents.



Dismantling: Do not open or attempt to repair the KVM LCD Console Tray yourself. Opening the housing could expose you to dangerous electrical components or cause irreversible damage to the internal parts. Always consult with a qualified technician for any repairs or maintenance needs.

Training: Ensure that personnel who handle the KVM LCD Console Tray are properly trained in its operation and safety protocols. They should be aware of how to safely operate, maintain, and troubleshoot the equipment, as well as how to handle emergencies such as power surges or equipment failure.

Weight Capacity: If your rack has weight limits, make sure the KVM LCD Console Tray does not exceed these limits when installed. Overloading the rack could cause instability or structural damage. Refer to the manufacturer's specifications for weight details.

Temperature and Environmental Conditions: Install the KVM LCD Console Tray in a temperature-controlled environment, avoiding direct sunlight, high heat sources, or extreme cold. The unit's operating temperature range is typically specified in the manual and should be adhered to for optimal performance.

Shock and Vibration Protection: In environments subject to frequent movement or vibrations (e.g., mobile installations), ensure that the KVM LCD Console Tray is securely mounted. Use shock-absorbing rack accessories or other protective measures to prevent damage during transit or use.

Following these safety precautions can help prevent accidents, prolong the lifespan of the product, and ensure a safe working environment.



Table of Contents

1.	Introduction		
2.	Features		
3.	Pack	age Contents4	
4.	Spec	ifications5	
	4.1.	Product Specifications	
	4.2.	Supported Resolutions	
5.	Hard	ware Descriptions7	
	5.1.	Front View7	
	5.2.	Rear View	
	5.3.	Open View	
6.	Rack	Mounting the LCD Console Drawer	
	6.1.	Pre-Installation Considerations10	
	6.2.	Installation Procedure10	
7.	Using	g the LCD Console Drawer	
	7.1.	Opening the LCD Console Drawer13	
	7.2.	Closing the LCD Console Drawer14	
8.	Serve	er and Local Console Connection 15	
	8.1.	Connecting a Server16	
	8.2.	Connecting a KVM Switch16	
	8.3.	Connecting a Monitor, Keyboard and Mouse17	
	8.4.	Connecting a KVM Extender17	
	8.5.	Connecting an External USB Device18	
	8.6.	Connecting the Power Cord18	
9.	Adjus	sting the Video Settings	
10.	On-S	Screen Display Interface	
	10.1.	OSD Buttons20	
	10.2.	OSD Menus22	
11.	Care and Safety Precautions		



List of Figures



1. Introduction

The **KCD-FH17-SS3V**, Full HD LCD Console Drawer, is the ultimate solution for managing single computer or multiple servers in your network or equipment rack. Featuring a 17.3" Active Matrix TFT LCD panel with a 16:9 widescreen aspect ratio, this compact 1U drawer delivers high-definition video resolution of up to 1920x1080 at 60Hz (1080p). With its energy-efficient LED backlight, it offers clear, crisp visuals while reducing power consumption. The LCD Console Drawer supports multiple video interfaces, including DisplayPort, HDMI, and VGA, and comes with a front USB hub for connecting USB HID devices and storage. Its integrated 12V power supply ensures reliable performance, and the adjustable mounting bracket allows for easy installation in racks with depths ranging from 52 cm (20.5 inches) to 90.8 cm (35.7 inches). Designed for simplicity, the DSGio LCD Console Drawer provides an easy-to-install, local console for managing servers with a removable keyboard module, making it an ideal choice for datacenters, server rooms, and lab environments.

2. Features

- 17.3-inch eDP TFT LCD panel with a 16:9 widescreen aspect ratio
- LED backlight for power savings
- Supports video resolution up to 1920x1080@60Hz (1080p)
- Supports USB and variety of video interfaces: DisplayPort, HDMI, and VGA (so you can choose one of these video interfaces to connect to the server or KVM matrix switch)
- 'Local Console' supports USB keyboard/mouse and video output (HDMI/DP/VGA) and supports KVM extension
- Front USB hub supports USB HID devices (keyboard/mouse) and USB storage devices.
- USB console connection to PC/Server
- Embedded Power Supply: DC 12V , 5.4 Amp
- Adjustable mounting bracket supports rack cabinets with depths from 52 cm (20.5 inches) to 90.8 cm (35.7 inches)
- Easy one-person installation
- Screen automatically powers off when the frame is folded down beyond a 30-degree angle
- On-Screen Display (OSD) buttons on the front panel for easy access to essential functions
- Convenient removable keyboard module design from the bottom, compatible with multi-language keyboards



3. Package Contents

The following are included in the package:

- \circ 1 × LCD Console Drawer
- \circ 1 \times U.S. Keyboard
- \circ 1 × Rackmount Kit
- \circ 1 × Power Cord
- \circ 1 × Quick Start Guide



4. Specifications

4.1. Product Specifications

Model No	KCD-FH17-SS3V		
Form Factor	1U rack mounting on slide-out rails		
Diagonal Size	17.3" TFT		
Max. Resolution	1920 x 1080		
Panel Type	Active Matrix TFT LCD with LED backlight unit		
Pixel Pitch	0.1989 (H) x 0.1989 (V); 127PPI		
Brightness (cd/m²)	300		
Colour Support	262,144		
Contrast Ratio (Typ.)	700:1		
Viewing Angle (H/V)	89/89/89 (Typ.) (CR≥10)		
Display Area (mm)	381.888 (H) × 214.812 (V) mm		
Keyboard/ Mouse	104 Keyboard / Touch Pad		
DDC compatible	DDC, DDC2, DDC2B		
Server Console Ports	1 x USB Type B Connector 1 x VGA Connector 1 x DP Connector 1 x HDMI Connector		
Local Console Ports	2 x USB Type A connector 1 x VGA Connector 1 x DP Connector 1 x HDMI Connector		
Power Supply	Input: Auto-sensing 90 to 264VAC, Max. 50 / 60Hz Output: 12V DC / 5.42A (65W)		
Operating System	Windows / Linux / Sun Microsystems		
Operating Temperature	0° to 40 °C		
Storage Temperature	-5° to 60 °C		
Relative Humidity	5 ~ 90%, non-condensing		
Dimension (W x D x H)	433.4 x 526.6 x 43.0 mm		
Weight	10.6 kg (23.37 lbs)		



4.2. Supported Resolutions

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		50 Hz	24.6 KHz	19.6 MHz	P/N	UEFI/BIOS
3	C 40 × 400	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		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		50 Hz	31.0 KHz	31.7 MHz	P/N	UEFI/BIOS
8		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
10		72.2 Hz	48.1 KHz	50.000 MHz	P/P	VESA
11		75.0 Hz	46.9 KHz	49.500 MHz	P/P	VESA
12		50 Hz	39.7 KHz	52.0 MHZ	P/N	UEFI/BIOS
13	1004 × 769	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		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 v 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	1290 v 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	1020 v 1090	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



5. Hardware Descriptions

5.1. Front View



Figure 1: KCD-FH17-SS3V Front View

No.	Component	Function
1	Latch Lock	Lock or unlock the LCD console drawer when it is closed.
2	Upper Handle	Pull Out / Push In the LCD console drawer. Open / Close the LCD console drawer.
3	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.



5.2. Rear View



Figure 2: KCD-FH17-SS3V Rear View

No.	Component		Function		
1	Grounding Terminal		The grounding wire (used to ground the unit) attaches here.		
2	Power Soc	ket	This is a standard 3 prong AC power socket. The power cord from an AC source plugs in here.		
3	Power Swit	ch	This is a standard rocker switch that powers the device on and off.		
4		USB Type A Connector	Connect a USB Keyboard.		
5		USB Type A Connector	Connect a USB mouse.		
6	Local Console	VGA Connector	Connect a VGA monitor.		
7		DP Connector	Connect a DisplayPort monitor.		
8		HDMI Connector	Connect an HDMI monitor.		
9		USB Type B Connector	Connect to a USB port of the source device.		
10	Server	VGA Connector	Connect to a VGA-based source device.		
11	Console	DP Connector	Connect to a DisplayPort-based source device.		
12		HDMI Connector	Connect to an HDMI-based source device.		



5.3. Open View



Figure 3: KCD-FH17-SS3V Open View

No.	Feature	Function
1	Keyboard	Standard 104-key keyboard.
2	Touch Pad	Standard mouse touch pad.
3	LCD Display	Display the OSD and the source device's video output.
4	OSD Buttons, Power Button and Indicator Lamp	 OSD Buttons: Display and operate the OSD menu, which adjusts the video or OSD settings of the built-in LCD display. LCD Power Button: Turn on or off the power supply to the LCD display. LCD Power Indicator Lamp: The indicator is lit
		when the LCD power button is turned on.
5	Indicators	The Num Lock, Caps Lock, Scroll Lock LEDs are located here.



6. Rack Mounting the LCD Console Drawer

6.1. Pre-Installation Considerations

Before beginning the installation process, please ensure the following conditions are met:

- **Stable Surface:** The rack or surface where the device will be installed must be stable, level, and capable of securely supporting the unit.
- **Adequate Ventilation:** Ensure the area has proper airflow and is away from direct sunlight, excessive dust, moisture, heat, and vibrations.
- **Convenient Location:** Choose a location that is easy to access and convenient for connecting to the related facilities.
- **Rack-Mounting:** The unit is designed for use in a standard 19-inch rack and requires the necessary space and mounting structure.
- **Usage:** The slide/rail-mounted equipment should not be used as a shelf or workspace.
- **Application:** This device is typically used in commercial IT environments where only trained personnel are present and allowed to operate the device.

6.2. Installation Procedure

Step 1: Adjusting Bracket Length

Adjust the mounting brackets to fit the depth of your rack. The adjustable depth range is from 20.4 to 35.7 inches (520 to 908 mm).



Figure 4: Adjusting the Rackmount Bracket Length



Step 2: Mounting the Brackets

Attach the brackets to the rack pillars using the rack screws and cage nuts to secure them in place.



Figure 5: Mounting the Rackmount Brackets

Step 3: Installing the LCD Console Drawer

Slide the LCD Console Drawer (with the 17.3" TFT LCD display) between the mounted brackets.



Figure 6: Installing the LCD Console Drawer



Secure the unit by fastening it to the rack pillars with screws.



Figure 7: Securely the LCD Console Drawer



7. Using the LCD Console Drawer

After completing the rack mounting of the LCD Console Drawer, the tray can slide out when needed for use and be tucked away when not in use.

Note:

- 1. Do not place any object or lean on the LCD Console Tray when it is pulled out. This may cause personal injury and/or property damage.
- 2. Do not apply force to the monitor screen and do not scratch it. This could damage the screen.

7.1. Opening the LCD Console Drawer

1. Pull out the LCD Console Drawer carefully from the rack.



Figure 8: Pulling Out the LCD Console Drawer

2. Unlock the LCD display by pushing the locking latches towards the center to release the lock.



Figure 9: Unlocking the LCD Console Drawer



3. Flip up the LCD display and turn on the LCD Console Drawer for operation.



Figure 10: Flipping Up the LCD Display of the Console Drawer

7.2. Closing the LCD Console Drawer

- 1. Fold the LCD display back down when finished using the unit.
- 2. Push both latches with your index fingers in the direction indicated before sliding the LCD Console Drawer into the rack.
- 3. Continue pressing the latches and slide the LCD Console Drawer evenly into the rack until the device is fully seated.



Figure 11: Closing the LCD Console Drawer



WARNING



- Keep your hands clear when closing the console 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.



Figure 12: Handling of the Rackmount Slide Rails

Server and Local Console Connection 8.

After rack-mounting is completed, the LCD Console Drawer can be connected to a computer or a KVM Switch to administer multiple servers. After the video and USB cable are connected, you may connect the LCD Console Drawer's power cord and power on the LCD Console Drawer. And lastly, power on the connected equipment.

Note:

- 1. Proper grounding is crucial for the safety of the equipment. Ensure the LCD Console Drawer is correctly grounded according to local electrical codes and best practices. This will help protect against electrical shocks and damage to sensitive internal components.
- 2. The LCD Console Drawer provides an extra loop-through for local console. Both the LCD Console Drawer and the keyboard and mouse connected to the 'Local Console' can operate the equipment. An KVM Extender can also be used to extend this 'Local Console' connections to remote distance. Always use the same type of video interface and cable on the 'Local Console' and the 'Server Console' when connecting the equipment such as a monitor or KVM Extender, and a server or KVM Switch respectively.



8.1. Connecting a Server



8.2. Connecting a KVM Switch





8.3. Connecting a Monitor, Keyboard and Mouse



Figure 15: Connecting a Monitor, Keyboard and Mouse

Note: Both the LCD Console Drawer and the keyboard and mouse connected to the "Local Console" can operate the equipment.

8.4. Connecting a KVM Extender







8.5. Connecting an External USB Device

The LCD Console Drawer also provides a front USB Hub enabling the additional connection of wired or wireless USB HID Keyboard/Mouse, or storage device.



Figure 17: Connecting an External USB Device

Insert the USB device to the front panel USB-A port of the LCD Console Drawer and the server should detect the connection of the external USB device. Install the driver of the USB device to be detected, if necessary, prior to connecting the external USB device.

8.6. Connecting the Power Cord

Connect the power cord to the power inlet on the LCD Console Drawer and then to a power outlet.



Figure 18: Connecting the Power Cord



9. Adjusting the Video Settings

The OSD Menu provides the function to control the video quality. Use the buttons on the LCD Panel to fine tune the LCD display settings after accessing a server.

To auto-tune the LCD display:

- 1. If the integrated LCD panel is not switched on, press POWER.
- 2. Press UP/AUTO on the LCD display. An "Auto Adjusting" message appears, indicating that video settings are being fine-tuned.

To manually fine- tune the LCD display:

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

Refer to Chapter 10 'On-Screen Display Interface' for more information about settings adjustment from the OSD Menu.



10. On-Screen Display Interface

10.1. OSD Buttons



Figure 19: OSD Buttons

No.	Feature	Function
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: 1. When OSD is not displayed, pressing this button triggers the OSD Menu. 2. 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: 1. When OSD is not displayed, this button is used to select the video input source (VGA, DisplayPort or HDMI). 2. When the OSD is displayed, this button functions 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: 1. When OSD is not displayed, pressing this button optimises the visual settings. (This function is only available for VGA input port.) 2. When the OSD is displayed, pressing this button moves up (or right) the selection.



10.2. OSD Menus

An explanation of the OSD adjustment settings is given as below.



Picture



No.	Feature	Function
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.



Color

Color	Advance	() OSD	Display	Information
Color Effect	4	Standard		
Gamma		0#	00	
Temperature		6500		
R			113	
G			112	
в			104	
	Color Effect Saturation Gamma Temperature R G B	Color Effect Saturation Gamma Temperature R G B	Color Effect Standard Saturation Off Camma Off Gamma Standard B Standard	Color Effect Standard Saturation 50 Gamma Off Temperature 6500 R 113 G 112 B 104

Figure 21: OSD - Color Menu

No.	Feature	Function
1	Color Effect	Choose the Color Effect.
2	Saturation	Adjust the Saturation Setting.
3	Gamma	On / Off the Gamma Function.
4	Temperature	Select the Screen Color Temperature.
5	R/G/B	Adjust Red, Green and Blue colors respectively.



Advance



Figure 22: OSD - Advance Menu

No.	Feature	Function
1	Input	Select the Video Input Source – VGA, DisplayPort or HDMI



OSD



Figure 23: OSD - OSD Menu

No.	Feature	Function
1	Language	Select the language for the menus of the OSD to be displayed.
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	Reset	Reset all settings to factory defaults.



Display



Figure 24: OSD = Display Menu

Note: The adjustments are only for VGA Signal Input.

No.	Feature	Function
1	Clock	Adjust the clock to synchronise the sampling clock of the display with the pixel clock of the connected equipment.
2	Phase	Adjust the phase to synchronise the frequency settings of the display with the frequency output of the connected equipment.
3	H Position	Move the screen image left or right.
4	V Position	Move the screen image up or down.
5	Auto Adjust	Optimise the visual settings.



Information



Figure 25: OSD – Information Menu

Display the current video input information on the screen.



11. Care and Safety Precautions



When Operating the LCD Console Drawer:

- 1. Keep your fingers clear of the LCD Console Drawer when closing the LCD display.
- 2. Use caution when pressing the device rail release latches and sliding the device into or out of a rack; the slide rails can pinch your fingers.
- 3. This device is typically used in commercial IT environments and only qualified and trained personnel should be allowed to operate the equipment.

Product Care:

- 1. The slide/rail-mounted equipment should not be used as a shelf or workspace.
- 2. Do not place any object or lean on the LCD Console Drawer when it is pulled out. This may cause personal injury and/or property damage.
- 3. Do not apply force to the monitor screen and do not scratch it. This could damage the screen.
- 4. To prevent damage to your installation, it is important that all devices are properly grounded.



Figure 26: Connecting the Ground Terminal



FCC Statement

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.





Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY FOR DIRECT OR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS, LOSS OF BUSINESS, OR FINANCIAL LOSS CAUSED BY THE USE OF THE PRODUCT EXCEED THE PRICE PAID FOR THE PRODUCT.

The direct vendor makes no warranty or representation, expressed or implied, with respect to the contents or use of this documentation, and expressly disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update the product or documentation without obligation to notify any user of such revisions or updates. For further information, please contact your direct vendor.

All brand names and registered trademarks are the property of their respective owners.