



KVM Switch, 2-Port Triple Display, 4K



Manual

DS-12863 / DS-12864

User considerations

The manufacturer has the right to modify and change the information, documents and specifications contained in the manual without prior notice. The manufacturer does not warrant, express, imply or statutorily declare its contents or specifically disclaims its merchantability and fitness for a particular purpose. Any of the manufacturer's software described in this manual that is sold and licensed. If the software program is found to be defective after purchase, the purchaser (and non-manufacturer, its distributor or its purchaser) will be responsible for all necessary services, repairs and any accidental or consequential damage caused by the software.

The manufacturer is not responsible for any unauthorized adjustments to the radio and / or television interference caused by this equipment, and the user must correct the interference.

If the operating voltage setting is not correctly selected before operation, the manufacturer will not be liable for any damage caused.

Be sure to confirm that DC 5 voltage is chosen correctly before use. This product does not have a power supply. If the power supply is required in a special environment, User can configure it according to the product power interface (power supply socket specification DC5V, 5.5mm*2.1mm)

Table of contents

- 1. Introduction..... 4
- 2. Main features 4
- 3. Package content 5
- 4. Specifications 6
- 5. Operating system 7
- 6. KVM front view and Rear view 8
 - Front view 8
 - Rear View 9
- 7. Connection Diagram..... 11
- 8. Hardware installation 12
- 9. Basic operation..... 13
 - 9.1 Manual switching method 13
 - 9.2 Hotkey switching method..... 13
 - 9.3 Power off and restart 13
- 10. Keyboard Hotkey operation 14
 - 10.1 Hotkey setting: 14
- 11. safety instructions 21

1. Introduction

With the DIGITUS 2-port KVM switch for triple displays, you have the option of operating two 4K-capable PCs via a single USB keyboard and mouse combination. You can conveniently switch between the two PCs at the touch of a button or hotkey and save yourself the hassle of having to reconnect all the cables. Output to up to three monitors is via the three HDMI or DP outputs at the rear. Audio signals from the microphone and speakers are also switched. There are also two USB 3.0 ports on the front, which can be used for additional peripheral devices such as USB sticks or printers on both PCs. The connected peripheral devices are each assigned to the active PC. Status LEDs on the front panel indicate the current configuration at all times. The switch is rounded off by the robust metal housing made of aluminum alloy.

2. Main features

- Single USB Console controls 2 sets of computers and USB peripherals
- Tripple HDMI (DS-12863) or DisplayPort (DS-12864) display, supports 3 monitors environment
- Unique HDMI + DisplayPort 2 type video input design. Fitting to most of graphic cards.
- Built-in USB3.0 hub, compatible with USB protocol specification
- Video maximum support resolution is 4K@60fp
- Provide keyboard Hotkey and Push button 2 ways switching
- The front panel USB3.0 peripheral port x 2

- 4 choices of hotkey selection and setting functions
- External 3.5mm audio speaker and microphone support
- KVM cable 1.8m accessories are included
- USB Bus powered. KVM can work without power adapter.
- Support multiple platforms for various operating systems
- BIOS level hardware connection, no drivers and software

3. Package content

Check that all parts are in place and that they are not damaged in transit. If you encounter problems, please contact your dealer.

To prevent damage to the machine or equipment connected to the machine, please read this manual carefully and follow the instructions for installation and operation.

- 1 x KVM switch
- 6 x KVM cable set (1.8 m)
- 1 x User manual

4. Specifications

Features			DS-12863	DS-12864
Computer connections			2	
Port selection			Front panel buttons / Hotkey	
Connector	Control port	Monitor	3 x HDMI Type A female	3 x DisplayPort Type A female
		Keyboard	1 x USB Type A female	
		Mouse	1 x USB Type A female	
		Speaker	1 x Mini stereo jack female(green)	
		Microphone	1 x Mini stereo jack female(pink)	
		USB3.0	2 x USB3.0 Type A female (blue)	
	Computer port	Video	2 x HDMI Type A female	
			4 x DP Type A female	
		Keyboard and mouse	2 x USB Type B female	
		Speaker & Microphone	2 x Mini stereo jack female (black)	
Power	Power Input	• USB bus powered • DC 5V 5.5x2.1mm (inside+). (optional)		
	Minimum Power Consumption	2.7W		
Toggle switch		KVM switch button	2 x button	
LED's	Online	2 x red		
	Selected	2 x green		
Analog mode		Keyboard and mouse	USB	
Maximum resolution video			4K@60HZ (3840x2160 @60HZ)	

Default Hotkey		CTL+CTL
Operating environment	Operating temperature	0-50 °C
	Storage temperature	-20-60 °C
	Humidity	0-80% RH, no condensation
Housing	House	Aluminum Alloy Sliver
	Size	161 x 105 x 78 mm
	Weight	0.64Kg
MTBF		204,088/hours

5. Operating system

Operating systems supported by remote users' computers include Windows XP and above.

The operating systems supported by the server connected to the switch are shown in the following table:

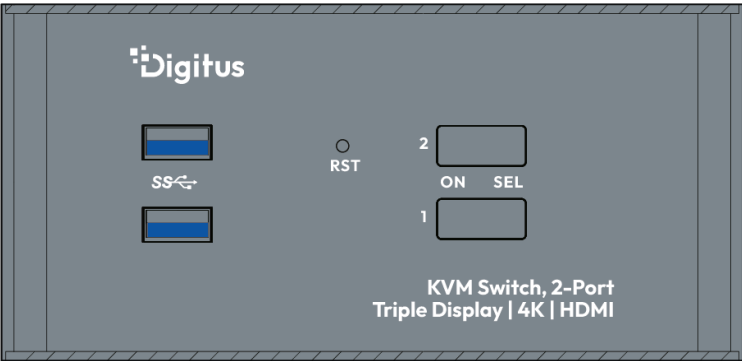
Operating system	
Windows (all version)	
Linux	RedHat
	SuSE
	Debian
	Ubuntu
UNIX	AIX
	FreeBSD
	Sun Solaris

Mac OS (all version)	
Novell	Netware

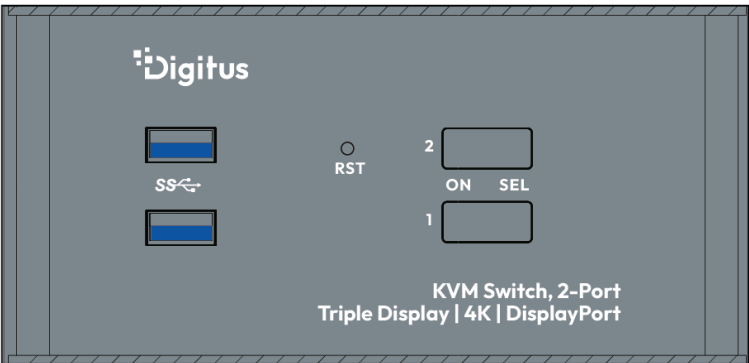
6. KVM front view and Rear view

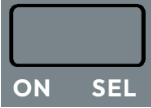
Front view

DS-12863



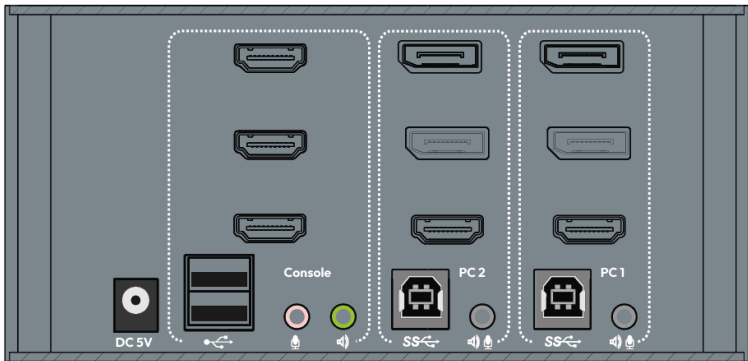
DS-12864



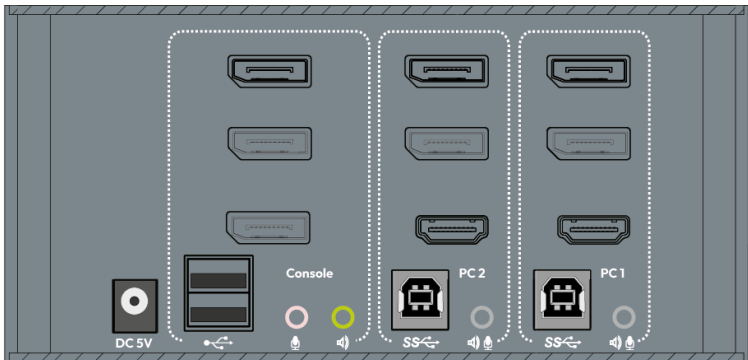
	Front USB3.0 interface, you can connect mouse and keyboard, USB storage device and printer.
	KVM Switching LED button PC1 or PC 2 PC Online: RED PC Selected: Green
	KVM Reset button. Press 5 sec.

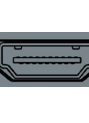
Rear View

DS-12863

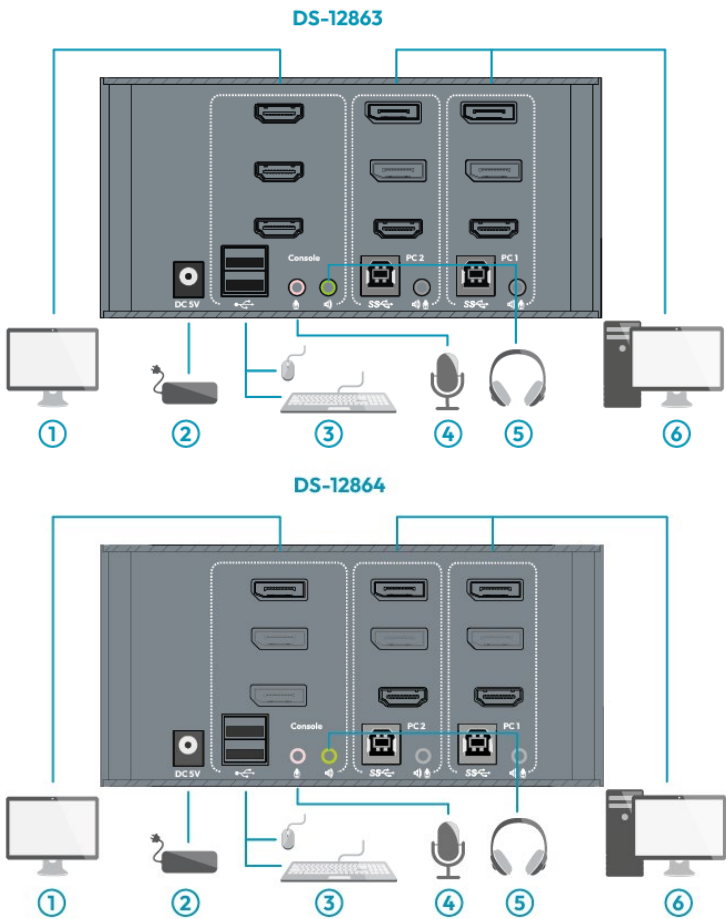


DS-12864



 DC 5V	For the power input port DC5V required
	Local USB keyboard and mouse input interface
	For the KVM cable. Type USB-B connection interface
	For the KVM cable. Integrated audio and MIC interface
	Input Audio jack for local Microphone
	Output Audio jack for local speaker or headset
	HDMI Video connector
	DisplayPort video connector

7. Connection Diagram



1	3x Monitor	4	Microphone
2	DC Adapter (Optional)	5	Headphone
3	Mouse/Keyboard	6	3x PC Input

8. Hardware installation

Cable connection and installation

KVM switches can be placed on any suitable surface and sufficient to safely support the weight of the device plus the additional cable; clean and make sure that no other plane debris would affect the switch ventilation and normal operation.

Device Requirement:

3 HDMI / DisplayPort Monitors

USB Keyboard and Mouse

2 Computers with Tripple video output graphic card

To install 2 port desktop KVM device, follow these steps:

1. Plug the USB keyboard and USB mouse into the USB console port on the rear panel.
2. Connect HDMI or DP Monitor plugs into the console video port on the rear panel
3. If you use a separate speaker and microphone, plug it into the console analog audio port on the rear panel
4. Connect KVM cable set to KVM. The Console end of KVM cable includes HDMI, DisplayPort, Audio plug and USB-B connectors.
5. Connect KVM cable to computers. Connector USB-A, audio plug, HDMI and DispalyPort.
6. Turn on the monitors and computers
7. KVM powered by USB bus powered. RED LED lights up.

Note: External DC5V power adapter is optional. Not included.

9. Basic operation

There are two ways for the KVM switch to access the connected computer: the combination hotkey on the USB keyboard to switch operations or the manual switch operation on the front of the KVM device.

9.1 Manual switching method

The user only needs to press the number touch button on the front panel of the KVM and the buzzer will sound a tone indicating that the switch port is successful, Green light up. and the USB, Audio and Video signals of the corresponding port will be switched to the corresponding computer

9.2 Hotkey switching method

Users can use the keyboard connected to the USB interface on the KVM device to perform hotkey operation. For details, please refer to the detailed description in the following sections.

9.3 Power off and restart

If it is necessary to turn off the power to the device, before turning the device back on, suggestion of do the following:

1. Unplug the data cable from all the computers connected to the switch.
2. Unplug the power adapter cable from the switch.
3. Wait 10 seconds, if there is power, plug the power adapter cable back into the switch.
4. Then connect the computer data cable and turn it on.

You can also restart it using the following method: press

and hold the reset button for more than 5 seconds, and the KVM host will restart.

10. Keyboard Hotkey operation

The KVM product in this desktop series offers a large number of easy hotkey operations, making it easy to set up KVM via the keyboard or to complete port switching.

10.1 Hotkey setting:

This series of products provides 4 combinations of hotkeys for user selection and setting. The default hotkey is

【 CTL 】 + 【 CTL 】 to switch to the next online port,
【 CTL 】 + 【 SHIFT 】 + 【 1 】 or 【 2 】 Switch to the specified port. The following table is a description of the four hotkey combinations, please check the settings when using the user:

1. 【 CTL 】 + 【 SHIFT 】 mode

Hotkey combination	Description
【 CTL 】 + 【 CTL 】	Switch to the next device online
【 CTL 】 + 【 SHIFT 】 + 【 1 】 or 【 2 】	Switch to the computer corresponding to the port of 【 1 】 【 2 】
【 CTL 】 + 【 SHIFT 】 + 【 → 】 or 【 ↓ 】	Switch to the next computer
【 CTL 】 + 【 SHIFT 】 + 【 ← 】 or 【 ↑ 】	Switch to the previous computer
【 CTL 】 + 【 SHIFT 】 + 【 B 】	Buzzer on or off. (Enabled by default)
【 CTL 】 + 【 SHIFT 】 +	Automatic switching mode, the default

【 S 】	is 5seconds, press 【 ESC 】 to exit
【 CTL 】 + 【 SHIFT 】 + 【 S 】 + 【 N 】	Set the automatic switching mode interval, press 【 ESC 】 to exit. Effective range: 5-999S
【 CTL 】 + 【 SHIFT 】 + 【 TAB 】	Enable or disable the pass-through USB port to synchronize with the key and mouse. (Enabled by default)
【 CTL 】 + 【 SHIFT 】 + 【 U 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately To the next PC
【 CTL 】 + 【 SHIFT 】 + 【 U 】 + 【 1 】 or 【 2 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately To specified PC
【 CTL 】 + 【 SHIFT 】 + 【 K 】	Enable or disable the hot key function. (Enabled by default)
【 CTL 】 + 【 SHIFT 】 + 【 R 】	Reset chip
【 CTL 】 + 【 SHIFT 】 + 【 ESC 】	Restore factory default Settings
【 CTL 】 + 【 SHIFT 】 + 【 T 】	Enable or disable the automatic detection function. (Disabled by default)
【 CTL 】 + 【 SHIFT 】 + 【 Scroll 】	Switch to the [Scroll]+[Scroll] hotkey mode
【 CTL 】 + 【 SHIFT 】 + 【 Caps 】	Switch to [Caps]+[Caps] hotkey mode
【 CTL 】 + 【 SHIFT 】 + 【 Num 】	Switch to the [Num]+[Num] hotkey mode
【 CTL 】 + 【 SHIFT 】 + 【 ESC 】	Super Defaults to factory Settings

2. 【SCROLL】 + 【SCROLL】 mode

Hotkey combination	Description
【 SCROLL 】 + 【 SCROLL 】 + 【 1 】 or 【 2 】	Switch to the computer corresponding to the port of 【 1 】 【 2 】
【 SCROLL 】 + 【 SCROLL 】 + 【 → 】 or 【 ↓ 】	Switch to the next computer
【 SCROLL 】 + 【 SCROLL 】 + 【 ← 】 or 【 ↑ 】	Switch to the previous computer
【 SCROLL 】 + 【 SCROLL 】 + 【 B 】	Buzzer on or off. (Enabled by default)
【 SCROLL 】 + 【 SCROLL 】 + 【 S 】	Automatic switching mode, the default is 5seconds, press 【 ESC 】 to exit
【 SCROLL 】 + 【 SCROLL 】 + 【 S 】 + 【 N 】	Set the automatic switching mode interval, press 【 ESC 】 to exit. Effective range: 5-999S
【 SCROLL 】 + 【 SCROLL 】 + 【 CTL 】	Switch to 【 CTL 】 + 【 CTL 】 hotkey combination mode
【 SCROLL 】 + 【 SCROLL 】 + 【 NUM 】	Switch to 【 NUM 】 + 【 NUM 】 hotkey combination mode
【 SCROLL 】 + 【 SCROLL 】 + 【 CAPS 】	Switch to 【 CAPS 】 + 【 CAPS 】 hotkey combination mode
【 SCROLL 】 + 【 SCROLL 】 + 【 TAB 】	Enable or disable the pass-through USB port to synchronize with the key and mouse. (Enabled by default)
【 SCROLL 】 + 【 SCROLL 】 + 【 U 】 + 【 1 】 or 【 2 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately To specified PC
【 SCROLL 】 + 【 SCROLL 】 + 【 U 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately

	To the next PC
【 SCROLL 】 + 【 SCROLL 】 + 【 K 】	Enable or disable the hot key function
【 SCROLL 】 + 【 SCROLL 】 + 【 R 】	Reset chip
【 SCROLL 】 + 【 SCROLL 】 + 【 ESC 】	Restore factory default Settings
【 SCROLL 】 + 【 SCROLL 】 + 【 T 】	Enable or disable the automatic detection function. (Disabled by default)

3. 【 NUM 】 + 【 NUM 】 mode

Hotkey combination	Description
【 NUM 】 + 【 NUM 】 + 【 1 】 or 【 2 】	Switch to the computer corresponding to the port of 【 1 】 or 【 2 】
【 NUM 】 + 【 NUM 】 + 【 → 】 or 【 ↓ 】	Switch to the next computer
【 NUM 】 + 【 NUM 】 + 【 ← 】 or 【 ↑ 】	Switch to the previous computer
【 NUM 】 + 【 NUM 】 + 【 B 】	Buzzer on or off. (Enabled by default)
【 NUM 】 + 【 NUM 】 + 【 S 】	Automatic switching mode, the default is 5seconds, press 【 ESC 】 to exit
【 NUM 】 + 【 NUM 】 + 【 S 】 + 【 N 】	Set the automatic switching mode interval, press 【 ESC 】 to exit. Effective range: 5-999S
【 NUM 】 + 【 NUM 】 + 【 SCROLL 】	Switch to 【 SCROLL 】 + 【 SCROLL 】 hotkey combination mode
【 NUM 】 + 【 NUM 】 +	Switch to 【 CTL 】 + 【 CTL 】

【 CTL 】	hotkey combination mode
【 NUM 】 + 【 NUM 】 + 【 CAPS 】	Switch to 【 CAPS 】 + 【 CAPS 】 hotkey combination mode
【 NUM 】 + 【 NUM 】 + 【 TAB 】	Enable or disable the pass-through USB port to synchronize with the key and mouse. (Enabled by default)
【 NUM 】 + 【 NUM 】 + 【 U 】 + 【 1 】 or 【 2 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately To specified PC
【 NUM 】 + 【 NUM 】 + 【 U 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately To the next PC
【 NUM 】 + 【 NUM 】 + 【 K 】	Enable or disable the hot key function. (Enabled by default)
【 NUM 】 + 【 NUM 】 + 【 R 】	Reset chip
【 NUM 】 + 【 NUM 】 + 【 ESC 】	Restore factory default Settings
【 NUM 】 + 【 NUM 】 + 【 T 】	Enable or disable the automatic detection function. (Disabled by default)

4. 【 CAPS 】 + 【 CAPS 】 mode

Hotkey combination	Description
【 CAPS 】 + 【 CAPS 】 + 【 1 】 or 【 2 】	Switch to the computer corresponding to the port of 【 1 】 or 【 2 】
【 CAPS 】 + 【 CAPS 】 + 【 → 】 or 【 ↓ 】	Switch to the next computer
【 CAPS 】 + 【 CAPS 】 + 【 ← 】 or 【 ↑ 】	Switch to the previous computer
【 CAPS 】 + 【 CAPS 】 +	Buzzer on or off. (Enabled by default)

【 B 】	
【 CAPS 】 + 【 CAPS 】 + 【 S 】	Automatic switching mode, the default is 5seconds, press 【 ESC 】 to exit.
【 CAPS 】 + 【 CAPS 】 + 【 S 】 + 【 N 】	】 Set the automatic switching mode interval, press 【 ESC 】 to exit. Effective range: 5-999S
【 CAPS 】 + 【 CAPS 】 + 【 SCROLL 】	Switch to 【 SCROLL 】 + 【 SCROLL 】 hotkey combination mode
【 CAPS 】 + 【 CAPS 】 + 【 NUM 】	Switch to 【 NUM 】 + 【 NUM 】 hotkey combination mode
【 CAPS 】 + 【 CAPS 】 + 【 CTL 】	Switch to 【 CTL 】 + 【 CTL 】 hotkey combination mode
【 CAPS 】 + 【 CAPS 】 + 【 TAB 】	Enable or disable the pass-through USB port to synchronize with the key and mouse. (Enabled by default)
【 CAPS 】 + 【 CAPS 】 + 【 U 】 + 【 1 】 or 【 2 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately To specified PC
【 CAPS 】 + 【 CAPS 】 + 【 U 】	Switch the devices (USB drive, printer, etc.) on the pass-through USB port separately To the next PC
【 CAPS 】 + 【 CAPS 】 + 【 K 】	Enable or disable the hot key function. (Enabled by default)
【 CAPS 】 + 【 CAPS 】 + 【 R 】	Reset chip
【 CAPS 】 + 【 CAPS 】 + 【 ESC 】	Restore factory default Settings
【 CAPS 】 + 【 CAPS 】 + 【 T 】	Enable or disable the automatic detection function. (Disabled by default)

5. Mouse mode

[Middle button + right mouse button]	Switch to the next PC
[Middle mouse button + left mouse button]	Switch to the last PC
Note: Mouse model cannot be turned off.	

Note:

- The detection time of each hotkey is 5 seconds. If you press 【 CTL 】 after 5 seconds after pressing 【 CTL 】 for the first time , this key combination will be invalid input.
- In the combination key, 【 N 】 represents the number key 【 1 】 ---- 【 9 】 , the number of seconds in the time interval can be set, as shown in the following table:

Automatic switching interval	
N	second
1	5
2	10
3	15
4	20
5	25
6	30
7	35
8	40
9	60

- After the screen mode is enabled, the controlled USB will be enumerated again, and you may need to wait for a while before you can use the keyboard and mouse.
- When you forget the modified hotkey, or the settings are incorrect, use the super restore factory setting hotkey to restore the default [Ctrl+Shift] mode.

11. safety instructions

- This product is for indoor use only.
- Please read all instructions and use them for future reference.
- Please follow all warnings and instructions on the device.
- Do not place the device on any uneven surface (such as a cart, shelf, table, etc.). If the device is dropped, it will cause serious damage.
- Do not use the device near water.
- Do not place this unit near or above the radiator or heating unit.
- The device housing is equipped with slots for heat dissipation and ventilation.
- To prevent overheating during operation, do not block or cover the openings.
- This device should not be placed on a soft surface (such as a bed, sofa, blanket, etc.), which would block the fan opening and should not be placed in a sealed environment unless proper ventilation has been provided.
- Do not spill any liquid on the device.
- The power of this unit must be removed from the wall

outlet before cleaning.

- Do not use any liquid or foamy cleaning agent. Please use damp cloth to clean it.
- Please use the device according to the type of power supply on the label. If you are not sure if the power type is available, please contact your dealer or local power company.
- This equipment is designed for IT power distribution systems with phase-to-phase voltages from 100V to 230V.
- To prevent damage to your device, it is important that all equipment is properly grounded.
- Do not place anything on the power cord or cable and arrange the power cord and cable routing to avoid tripping over it.
- If the device uses an extension cord, make sure that the total charge of all products using the cord does not exceed the current carrying capacity of the cord. Ensure that the total of all products plugged into the wall outlet is not more than 15 A.
- Use a surge suppressor, regulator, or uninterruptible power system (UPS) to help protect your system from sudden, transient increases and decreases in power.
- Please properly fix the cable system and power cord to ensure that nothing is pressed against the cable.
- Do not insert any objects into the machine through the slots in the casing. There is a risk of contact with dangerous voltage points or short-circuiting parts that could result in fire or electric shock.
- Do not attempt to repair this equipment yourself. Please find a qualified service person to obtain

support services.

- If the following conditions occur, unplug the unit from the wall outlet and have it handed over to a qualified service person for repair.
 - Damaged or worn power cord or plug
 - Liquid is spilled into the device
 - The device is drenched by rain and water.
 - The device has been dropped, or the casing has been damaged.
 - Significant changes in the functionality of this device
 - The device does not operate normally after following the operating instructions.
- Adjustments are only made to the control functions covered in the operating instructions, and other improper operations may cause damage, so that a larger work of qualified personnel is required to be repaired.

Hereby Assmann Electronic GmbH declares that the Declaration of Conformity is part of the shipping content. If the Declaration of Conformity is missing, you can request it by post under the below mentioned manufacturer address.

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