

AV Access KD-E10 2 x 1 Dual Monitor KVM Dock Switcher **User Manual**

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AV Access KD-E10 2 x 1 Dual Monitor KVM Dock Switcher



Product Usage Instructions

- Check package contents: Switcher, Power Adapter, Cables, User Manual
- Connect the power adapter to the switcher and plug it into a power source
- Connect your laptop to the USB-C input and your desktop to the HDMI+DP+USB-B input
- Connect peripherals to the available USB and other ports as needed
- Power on the device using the power button on the front panel
- Press the Switch button on the front panel to toggle between USB-C In 1 and Desktop 2
- USB ports for connecting high-speed devices like keyboards and mice
- SDXC slot for inserting SDXC cards for data transfer
- LAN port for Ethernet connectivity (for USB-C laptop only)
- Headphone port for connecting a headset with a microphone

FAQ

- Q: How do I activate the automatic wake-up function?
- A: The automatic wake-up function is enabled by default. Simply switch between sources to automatically wake up the standby computer.
- Q: Can I charge my laptop using the switcher?
- A: Yes, the USB-C input supports 100W charging when connected to an external USB-C power adapter.

Introduction

Overview

- KD-E10 is a multi-function 2×1 KVM switch docking for personal home office and entertainment.
- It can be used as the core device for home office, which can be connected to a USB-C laptop for meetings and office, and it can also be connected to a desktop to provide users with gaming and entertainment needs.
- This device provides simple device connection and switching methods, sharing a series of external devices between a laptop and desktop, such as a mouse, keyboard, mobile hard disk, camera, or speakerphone.

Features

- Two 4K@60Hz outputs for dual monitors KVM application.
- 2×1 Switch with one USB-C for the laptop and one combined HDMI+DP+USB-B 3.0 for the desktop.
- One full-featured USB-C input supports 4K@60Hz video transmission, USB 3.0 data, and 100W charging (when an external USB-C power adapter is connected).
- Both inputs and outputs support HDCP 2.2 and HDCP 1.4.
- Provides multiple peripheral ports, including:
 - 3x USB 3.0 type-A ports, support USB 3.0 standard, and 5Gbps data transfer rate per port. Two of the three ports support 5V/1A power output, and the other one supports 5V/1.5A power output;
 - 1x USB 3.0 type-C port (data only), supports USB 3.0 standard, 5Gbps data transfer rate, and 1.5A current output.
 - 2x USB 2.0 type-A ports, supports USB 2.0 standard, and 480Mbps data transfer rate;
 - 1x SDXC card slot supports up to 2TB SDXC card inserted, and maximum data transmission is 104MB/s;
 - 1x LAN port, support for 1Gb Ethernet performance (For USB-C Laptop only);
 - 1x 3.5mm TRRS (stereo + mic) headset port.
- Support CEC trigger on HDMI outputs. When the current channel detects an input signal, it sends a CEC Power-ON command to the corresponding HDMI output port.
- Support automatic wake-up function, which automatically wakes up the standby computer when switching.

Package Contents

Before you start the installation of the product, please check the package contents:

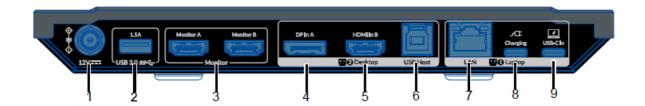
- Switcher x 1
- Power Adapter (DC 12V 3A) x 1
- USB 3.2 Gen 2 Type-C to Type-C Cable (L = 1m) x 1
- USB 3.0 Type-B to Type-A Cable (L = 1.5m) x 1
- HDMI 2.0 Cable x 1
- DP 1.2a Cable x 1
- User Manual x 1

Panel Front Panel



No.	Name	Description
1	Power Button	Press to power on/off the device. When the device is powered on, the backli ght of the button will light blue.
2	Switch	Press to switch source between USB-C In 1 and Desktop 2 (HDMI + DP + USB Host (USB Type-B)).
3	USB Device	USB 2.0 Type-A ports. It is recommended to connect to a keyboard and a m ouse.
4	Headphone	3.5mm TRRS headphone jack. Connect to a headphone with a microphone. The headphone switching follows the USB Host port selected and needs to select "AV Access KD-E10" on the connected host PC.
5	SD Slot	SDXC port. Insert SDXC card.
6	USB 3.0 (1.0A)	USB 3.0 type-A ports, can be used to connect to USB 3.0 high-speed devic es for KVM function. Supports 5V/1A power output.
7	USB-C (data only)	USB 3.0 type-C port. Connect to the USB device with a USB-C port. The port is used to transmit USB data only, and output 1.5A current.

Rear Panel



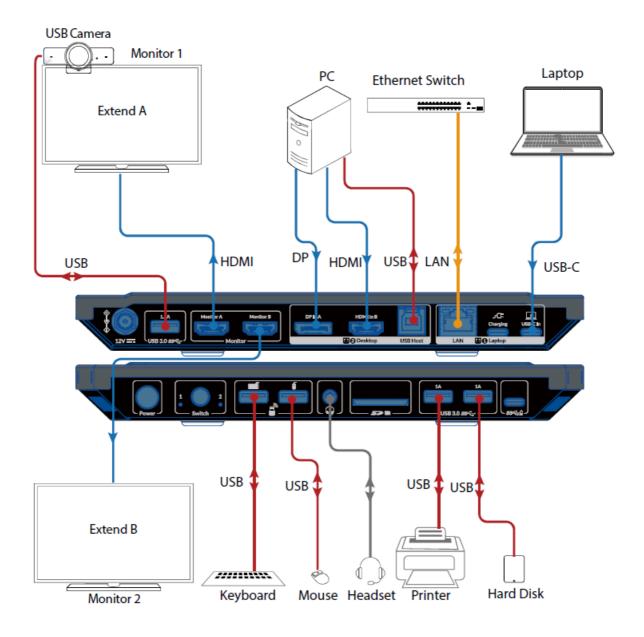
No.	Name	Description	
1	DC 12V	Connect to the power adapter provided.	
2	USB 3.0 (1.5A)	USB 3.0 type-A ports. With 5V 1.5A supported, it can be used for conning USB devices with high power, such as connecting a USB Camera.	
3	Monitor (A&B)	Connect to HDMI displays.	
4 & 5 & 6	Desktop 2	 Ÿ DP In A: Connect to DP out port of the PC. Ÿ HDMI In B: Connect to the HDMI out port of the PC. Ÿ USB Host: USB 3.0 type-B port. Connect to the USB type-A port of the PC. The three ports are in a group, when switching to this group, all USB peri pherals + SDXC card + Headset will be connected to the PC the three ports connected. 	
7	LAN	Connect to a local area network, and the laptop with the USB-C In port c onnected can access this network.	
8	Charging	Connect to an external power source (up to 100W) when charging the connected laptop through USB-C In port.	
9	USB-C In	USB 3.0 type-C port. Connect to a USB-C source such as a laptop. When selecting USB-C In as the input source, all peripherals will be connected to the laptop with the USB-C port connected. Supports the following three functions: Ÿ Supports transmitting video, audio, USB, and ethernet signals. Ÿ Supports DP MST mode, can output two	

videos (two 4K@60Hz maximum) at the same time. Note: The connected computer needs to support DP 1.4a standard and MST output to output two 4K@60Hz video channels. Y Supports PD 2.0. The port can charge the connected laptop (up to 10 0W) when the Charging port is connected to the external power source. The following table is recommended: USB type-C to type-C cable (USB 3.2 Gen 2 or above).	No.	Name	Description
			Note: The connected computer needs to support DP 1.4a standard and MST output to output two 4K@60Hz video channels. Y Supports PD 2.0. The port can charge the connected laptop (up to 10 0W) when the Charging port is connected to the external power source.

Application

Warnings

- Before wiring, disconnect the power from all devices.
- During wiring, connect and disconnect the cables gently.
- When selecting USB-C In laptop as an input source, monitors A and B output the signals from USB-C's MST dual-screen. All peripherals including all USB devices, headphones (the PC needs to select the "USB Audio Device"), and SDXC card will be connected to the laptop.
- When selecting Desktop 2 as an input source, monitors A and B output the signals from DP input and HDMI input respectively. All peripherals including all USB devices, headphones (the PC needs to select the "USB Audio Device"), and SD cards will be connected to the host PC Desktop 2 connected.
- When charging the connected laptop through a USB-C In port, users need to connect an external power source (up to 100W) through the Charging port.
- Regardless of whether USB-C In is selected as the input source, the laptop connected to this port can access the network to the LAN port. The PC connected with Desktop 2 group doesn't support this function.



Specifications

Technical	
	Laptop: USB-C
	USB-C supports: 100W Charging (DP 2.0), USB 3.0 (up to 5Gbps), and up to 4K@ 60Hz (DP MST) two video transmission
	Desktop: DP + HDMI + USB-B
Input	DP port supports DP 1.4a, up to 4K@60Hz 4:4:4 8bit and 4K@60Hz 4:2:0 8bit;
	HDMI port supports HDMI 2.0b, up to 4K@60Hz 4:4:4 8bit and 4K@60Hz 4:2:0 8bit ;
	USB-B port supports USB 3.0 (up to 5Gb/s).
	HDCP: All inputs support HDCP 2.2

Technical	
Output	HDMI 2.0b, up to 4K@60Hz 4:4:4 8bit, and HDCP 2.2
	USB-C x1: Up to 5Gb/s, 1.5A power output.
	USB-A x5:
	Three USB 3.0 ports, up to 5Gb/s, and tw o of them supports 1A power output, and the oth er one supports 1.5A power output
Peripheral and Expansion	· Two USB 2.0 ports, up to 480Mb/s
	SDXC card: Up to 104MB/s, maximum support 2TB. LAN: RJ-45 connector, support for 1Gb Et hernet
	performance (For USB-C Laptop only)

	SMPTE:		
	1280x720P1,2,3,4,5,6,7,8, 1	0x720P1,2,3,4,5,6,7,8, 1920x1080I6,8,	
	1920×1080P1,2,3,4,5,6,7,8,9,10,11,12, 2560×10809, 3840×10809,		
	3840×21602,3,5,6,8, 4096×21602,3,5,6,8		
	VESA:		
	800×6008, 1024×7688, 1280×7688 1280×8008,		
Input/Output Resolution Supported	1280×9608, 1280×10248, 1360×7688, 1366×76 88,		
	1400×10508, 1440×9008, 1600×9008, 1600×12 008,		
	1680×10508, 1920×12008, 2560×14401,2,3,4,5,6,7,8,9		
	1 = at 23.98 Hz, 2 = at 24 Hz, 3 = at 25 Hz, 4 = a t 29.97 Hz, 5		
	= at 30 Hz, 6 = at 50 Hz, 7 = at 59.94 Hz, 8 = at 60 Hz, 9 = 120Hz, 10 = 144Hz, 11 = 165Hz, 12 = 240Hz		
	DP 1.4a/HDMI In/Out: Fully supports audio for mats in DP 1.2a/HDMI 2.0 specification, including PCM 2.0/5.1/7.1, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, and DTS:X		
Audio Format Supported	USB-C In: Fully supports multiple channel audio formats, including PCM 2.0/5.1/7.1, Dolby TrueH D, Dolby Atmos, DTS-HD Master Audio, and DT S:X		
	Headphone: Stereo		
General			
Operating Temperature	0°C to + 45°0	C (32 to + 113 °F)	
Storage Temperature	-20 to +70°C	(-4 to + 158 °F)	
Humidity	20% to 90%,	non-condensing	
Power Consumption	33.12W (Max	x)	
Device Dimensions (W x H x D)		230mm x 25mm x 142.6mm/ 9.0 6" x 0.98" x 5.61"	
Product Weight	0.78kg/1.72ll	0.78kg/1.72lbs	

Warranty

Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

- 1. The original serial number (specified by AV Access) labeled on the product has been removed, erased, replaced, defaced, or illegible.
- 2. The warranty has expired.
- 3. The defects are caused by the fact that the product is repaired, dismantled, or altered by anyone who is not from an AV Access authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly, or not as instructed in the applicable User Guide.
- 4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami, and war.
- 5. The service, configuration, and gifts are promised by the salesman only but not covered by the normal contract.
- 6. AV Access preserves the right to interpret these cases above and to make changes to them at any time without notice.

Thank you for choosing products from AV Access.

If you have any questions, please contact us via the following emails: General Enquiry: info@avaccess.com Customer/Technical Support: support@avaccess.com

Documents / Resources



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References

- AV Access | Quality & Budget Assured Pro AV Product Manufacturer
- User Manual

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