

Dual Monitor KVM Switch Docking Station

iDock X10



User Manual



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Introduction

Features

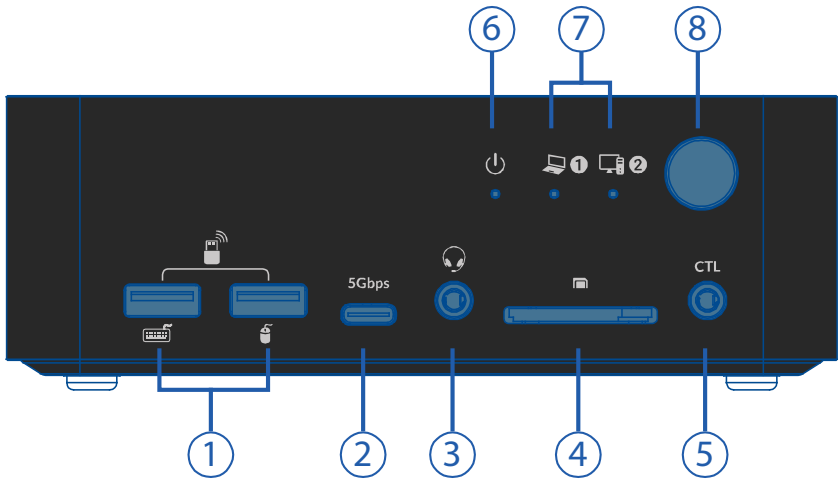
- 2x1 KVM switch docking station with dual monitors.
- Two 4K@60Hz outputs for dual-monitor KVM applications.
- 2x1 switch with one USB C input for laptop connection and one HDMI+DP+USB 3.0 combined input for desktop computer.
- One full-featured USB C input supports 4K@60Hz video transmission, USB 3.0 data, and 100W power delivery.
- USB C input supports DP MST mode with dual 4K@60Hz outputs.
- Supports high refresh rates such as 240Hz, 165Hz, and 144Hz.
- Support resolutions including 1080P@240Hz / 165Hz / 144Hz / 60Hz, 2560x1440@144Hz / 120Hz / 60Hz, and 4K@60Hz.
- Support auto wake-up function, which automatically wakes the standby computer when switching.
- Supports multiple peripheral ports, including:
 - One USB C port, supporting USB C (up to 5Gb/s, 1.5A power output).
 - Three USB 3.0 ports, supporting USB-A (up to 5Gb/s, 1A power output).
 - Two USB 2.0 ports, supporting USB-A (up to 480Mb/s).
 - One TOSLINK port, supporting 5.1ch audio de-embedding output.
 - One LAN port, supporting 2.5Gb Ethernet passthrough (USB C laptop only).
 - 1 x CTL port, for connecting the external switching button
 - One SDXC card slot.
 - One 3.5 mm headphone jack.
- No driver required, plug and play.

Package Contents

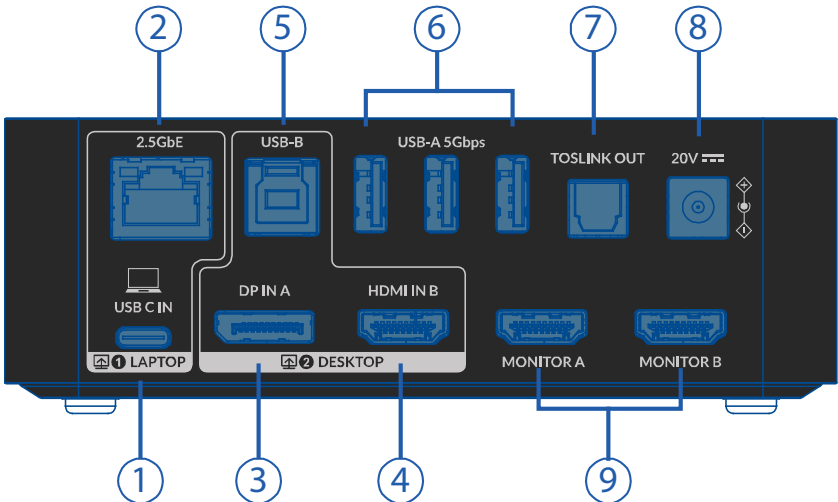
Before you start the installation of the product, please check the package contents:

- KVM Switch Docking Station x 1
- Power Adapter (20V DC 6A) x 1
- USB 3.2 Gen 2 Type-C Cable (1m) x 1
- USB 3.0 Type-A to Type-B Cable (1.5m) x 1
- Wired Button Switch x 1
- Quick Start Guide x 1

Panel

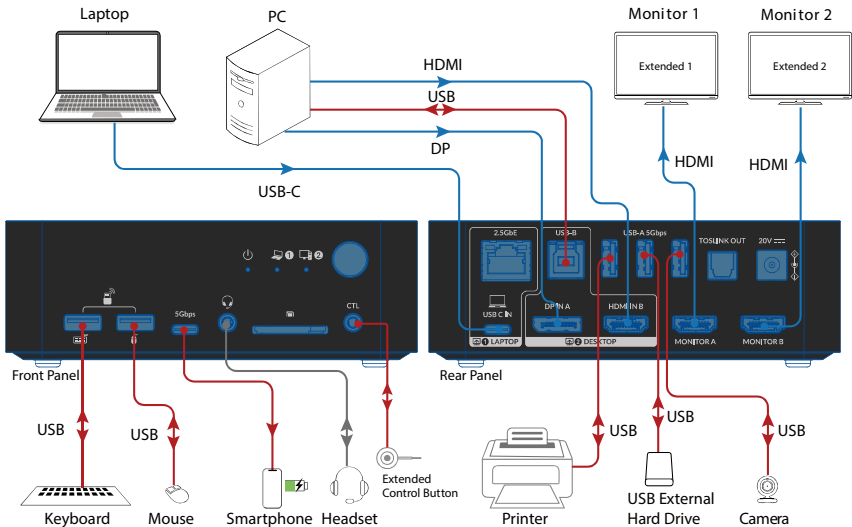


①: USB 2.0 | ②: USB C (5Gbps) | ③: 3.5mm Combo Audio Jack | ④: SDXC Slot | ⑤: CTL
 | ⑥: Power LED | ⑦: Input LEDs (1–2) | ⑧: Switch/Power Button



①: USB C IN (Laptop) | ②: 2.5GbE LAN | ③: DP IN | ④: HDMI IN | ⑤: USB-B (HOST) | ⑥:
 USB 3.0 (5Gbps) | ⑦: TOSLINK OUT | ⑧: POWER IN | ⑨: HDMI OUT

Application



When switching input channels between **LAPTOP** (Group 1) and **DESKTOP** (Group 2):

- All USB peripherals connected via the USB-A ports, as well as the connected headset and the SD card, will switch in sync to the currently selected host.
- When Group 1 is selected, the displays connected to MONITOR A and B will show content from the USB C IN. After switching to Group 2, MONITOR A and B link to Group 2 will display content from DP IN A and HDMI IN B respectively.
- When two displays are connected, **TOSLINK OUT** outputs the de-embedded audio from MONITOR A. When only one display is connected, **TOSLINK OUT** outputs the de-embedded audio from the connected MONITOR port.

Note:

The **USB C IN** port on this device integrate a network passthrough module. Only the PC connected via the USB C IN port can access the external network through this device.

Button Control

Users can switch input sources between **LAPTOP** and **DESKTOP** using the front panel button or the external button switch. Please ensure that this device and all related equipment are properly connected and powered on.

Specifications

Technical	
Video Input	LAPTOP: 1 x USB C IN (Rear panel): USB 3.2 Gen 2, up to 20Gb/s, 100W PD, dual 4K@60Hz output (MST) DESKTOP: 1 x DP IN: DP 1.2a (up to 4K@60Hz) 1 x HDMI IN: HDMI 2.0 (up to 4K@60Hz) 1 x USB-B: USB 3.0 (up to 5Gb/s)
Video Output	2 x HDMI OUT: HDMI 2.0, HDCP 2.2
Audio Support	USB C / DP / HDMI: Fully supports audio formats 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 TOSLINK: PCM 2.0/5.1, Dolby Digital, and DTS 5.1 Headphone: Stereo
Peripheral and Expansion Ports	- USB C x 1: 5Gbps (Front panel): USB 3.0 (5Gbps), supporting 5V/1.5A output - USB-A x 5: - USB 2.0 Type-A x 2, up to 480Mb/s - USB 3.0 Type-A x 3, up to 5Gb/s, and 1A power output - SDXC slot: - Data rate up to 104MB/s, with capacity up to 2TB - Audio Jack x1: 3.5mm TRRS Microphone + Headphone combo jack (4-pole) - LAN (RJ-45): - Supports 2.5G Ethernet passthrough for USB C IN - CTL x1: - Connect to EXB01 for local input switching
Control	Button; Wired button switch
General	
Operating Temperature & RH	0°C to 45°C (32 to 113°F), 20% to 90%, non-condensing
Storage Temperature & RH	-20 to 70°C (-4 to 158°F), 20% to 90%, non-condensing
Power Supply	20V DC 6A
Power Consumption	8.12W (Video); 40.67W (Video + USB full load)
Device Dimensions (W x H x D)	5.55" x 1.87" x 3.78" (141mm x 47.5mm x 96mm)
Product Net Weight	1.90lbs (0.86kg)

Troubleshooting

1. Why doesn't the device work?

- Check whether the POWER LED on the front panel is lit.
- Make sure to use the included 20V/6A power adapter. Using an incompatible or insufficient power supply may damage the product.

2. Why aren't dual 4K videos displayed simultaneously?

1) USB C input

- Make sure to use the included USB C to USB C cable.
- Make sure the USB C notebook supports DP Alt Mode and DP MST.
- The latest Mac computers with Apple silicon support only DP SST mode. As a result, the two displays will show duplicate content.
- We recommend using a Windows laptop with a discrete graphics card. Intel integrated graphics may provide insufficient performance, resulting in unstable or flickering video.
- For notebooks with NVIDIA GeForce RTX 20 Series or later graphics cards, we recommend configuring two displays at 4K@60Hz.
- For notebooks with NVIDIA GeForce GTX 10 Series graphics cards, we recommend configuring two displays at 1080p@60Hz.
- For notebooks with other discrete graphics cards, configure the display resolutions according to the graphics card performance.

2) DP or HDMI input

Connect both the DP and HDMI input ports simultaneously. If only one input port is connected, only one video output will be available.

3. Why is my wireless mouse or keyboard not responding?

USB-IF has confirmed that USB 3.0 devices may interfere with the 2.4 GHz dongle receivers used by wireless mice and keyboards. Check whether a USB 3.0 device is connected adjacent to the wireless receiver. If so, connect the USB 3.0 device to a port farther away from the wireless receiver, such as a USB 3.0 port on the rear panel.

4. Why is the video flickering or unstable?

- Make sure to use the correct cable. Use a DP 1.2a or later cable for DP connections, and an HDMI 2.0 or later cable for HDMI connections.
- For USB C connections, use the included cable or a USB-IF certified USB 3.2 Gen 2 (10 Gb/s) cable.

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 is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that 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 promised by salesman only but not covered by normal contract.
6. AV Access preserves the right for interpretation of 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 question, please contact us via the following emails:

General Enquiry: sales@avaccess.com

Customer/Technical Support: support@avaccess.com

