



VisionTek VT2900 Dual System Dock User Manual

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VisionTek®

VisionTek VT2900 Dual System Dock



SAFETY INSTRUCTIONS

Always read the safety instructions carefully.

Keep the User Manual for future reference.

Keep this equipment away from humidity.

If any of the following situations arise, have the equipment checked by a service technician immediately:

- The equipment has been exposed to moisture.
- The equipment has obvious signs of breakage.
- The equipment has not been working well or you cannot get it to function according to this manual.

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DISCLAIMER

Information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

INTRODUCTION

Your new VT2900 USB-C KVM Docking Station can connect to any host with Type-C connectors that support DisplayPort over USB-C providing a future-proof docking solution. Connect up to two additional monitors as well as 3 USB Type-A and 2 USB Type-C accessories through a single USB-C cable.

FEATURES

- Compatible with both USB-C DP Alt Mode Laptops and Desktop Computers
- Supports resolutions up to 4K (3840 x 2160 @60Hz)
- Supports Extend and Mirror Display Mode
- Supports KVM switching between 2 systems
- SuperSpeed USB 3.0 USB-A and USB-C ports, speeds up to 5Gbps
- USB BC 1.2 ports for fast charging devices
- Built-in Gigabit Ethernet RJ45 for increased network performance

- USB-C Power Delivery up to 100W to PC2 with included power supply
- USB-C Power Pass-through up to 100W to PC1 with user supplied USB-C power supply

CONTENTS

- VT2900 USB-C KVM Dock
- Power Adapter
- 2 x USB-C to USB-C Cable
- 3.5mm Switch
- User Manual

SYSTEM REQUIREMENTS

• Compatible Devices

System with USB-C port that supports DisplayPort over USB-C (DP Alt Mode MST) for video or MacBook with USB-C port that supports DisplayPort over USB-C (DP Alt Mode SST) for video

For USB-C charging, a system with a USB-C port that supports USB-C Power Delivery 3.0 is required

• Operating System

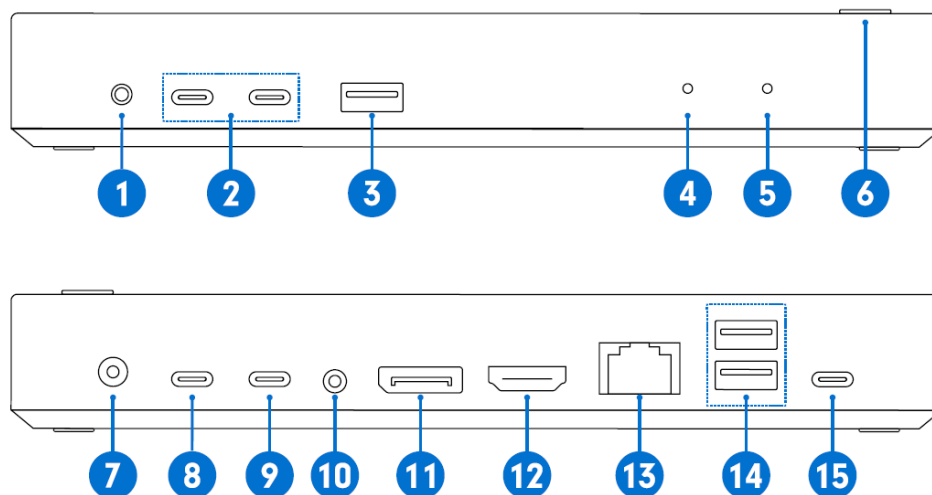
Windows 11, 10, 8.1, 8, 7

macOS 10.12 or Later

• Optional Additional Hardware

USB-C power adapter 5V/1A — 5V/20A for Power Pass-through to PC1

DOCKING STATION PORTS

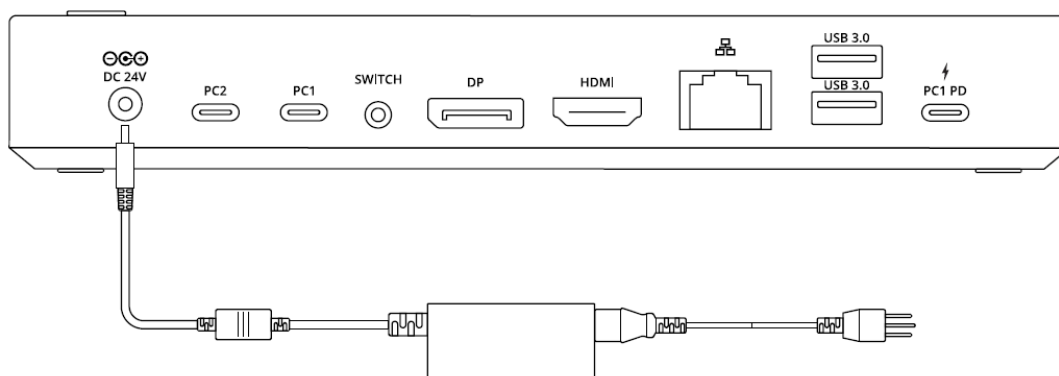


Port	Description
1. Audio Jack	Connect headphones, headset or other devices with 3.5mm connector
2. USB-C Port	Connect a USB-C device, supports 5Gb/s transfer speeds, BC 1.2 battery charging up to 7.5W, 2.4A charging on supported Apple devices (12W)
3. USB-A Port	Connect a USB-A device, supports 5Gb/s transfer speeds, BC 1.2 battery charging up to 7.5W, 2.4A charging on supported Apple devices (12W)
4. PC1 LED	PC1 LED Status Light
5. PC2 LED	PC2 LED Status Light
6. Power / Switch Button	Long press, (3sec) power on/off Shot press, switch between connected hosts
7. DC Power Input	Connect to power using the included power cable
8. USB-C PC2 Upstream Port	Connect to a laptop or PC, supports data transfer up to 5 Gb/s, Power Pass-through charging up to 100W
9. USB-C PC1 Upstream Port	Connect to a laptop or PC, supports data transfer up to 5 Gb/s, Power Pass-through charging up to 100W*
10. Switching Port	Connect 3.5mm switch button, same function as power button
11. DP 1.4 Port	Connect a display with a DP port to stream video up to 4K@60Hz
12. HDMI 2.0 Port	Connect a display with an HDMI port to stream video up to 4K@60Hz
13. RJ45 Gigabit Ethernet	Connect a network router or modem at 10/100/1000 Mbps
14. USB-A Port	Connect a USB-A device, supports 5Gb/s transfer speeds, charging up to 4.5W
15. USB-C PD Port PC1	Connect a USB-C power supply for Power Pass-through to PC1, supports 5 V/1A — 5V/20A fast charging (USB-C power adapter not included)

DOCKING STATION SETUP

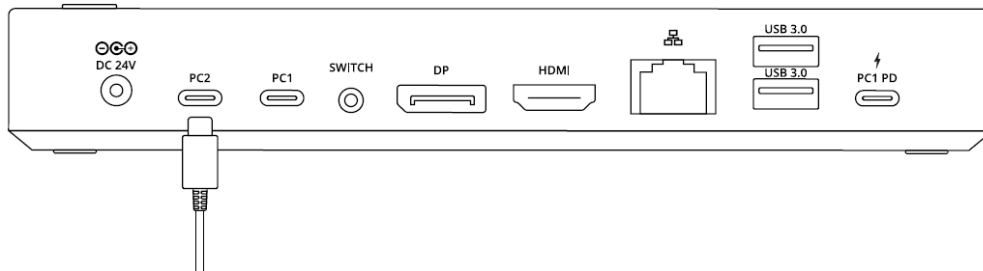
Connecting Power

1. Plug the power adapter into the DC In port on the back of the dock. Connect the other end into a power outlet.
2. Press and hold the power button until the LED turns on.



Connecting Systems

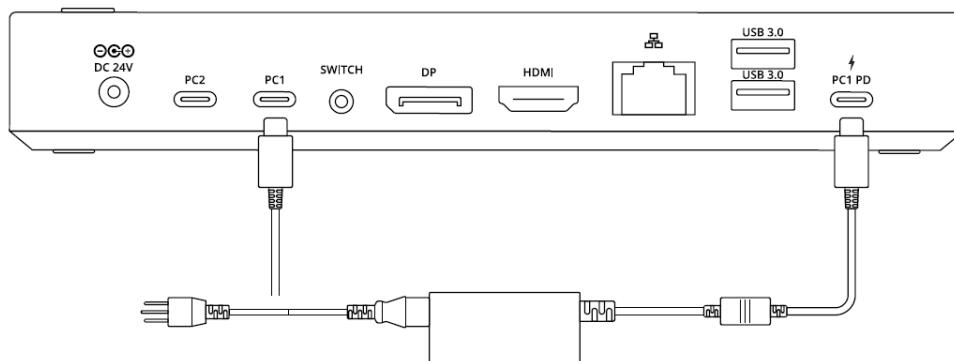
1. Connect the included USB-C cable to the PC2 out port on the back of the VT2900. Connect the other end to your host laptop, PC or Mac.
2. The VT2900 has high resolution DP and HDMI outputs. Resolutions up to 3840 x 2160 @ 60Hz are supported depending on how many monitors are connected and the host system capabilities. Connect your display / displays to the VT2900.



Optional – Additional System

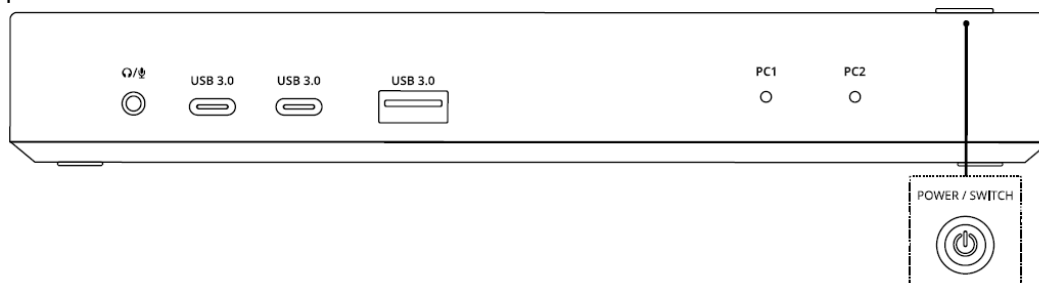
1. Connect the included USB-C cable to the PC1 out port on the back of the VT2900. Connect the other end to your secondary laptop, PC or Mac.
2. Connect a USB-C Power Supply (5V/1A — 5V/20A) for USB-C Power Pass-through to PC1.

*Secondary power supply not included



KVM SWITCHING

To switch between connected hosts quick press the Power/Switch button located on the top of the dock. All connected Displays and Accessories will switch between host devices. PC2 is the default host device selected on device startup.



OPTIONAL ACCESSORIES

Optional – Accessories

Connect any additional items such as Keyboard, Mouse, Headset, USB Flash Drive, External Storage, etc. Note: USB-A and USB-C ports on the front support BC 1.2 7W device charging or 12W fast charging for supported Apple devices.

Optional – Switch Button

Connect the included 3.5mm switch to the switch port on the back of the dock.

Note: This functions the same as the Power/Switch button on the top of the dock

SUPPORTED RESOLUTIONS

SINGLE DISPLAY

Display Connection	DP or HDMI
Host System DP 1.2 HBR2 MST	3840 x 2160 @ 30Hz / 2560 x 1440 @ 60Hz / 1920 x 1080 @ 60Hz
Host System DP 1.4 HBR3 MST	3840 x 2160 @ 60Hz / 2560 x 1440 @ 60Hz / 1920 x 1080 @ 60Hz
macOS (Intel, M1, M2) SST	3840 x 2160 @ 60Hz / 2560 x 1440 @ 60Hz / 1920 x 1080 @ 60Hz

DUAL DISPLAY

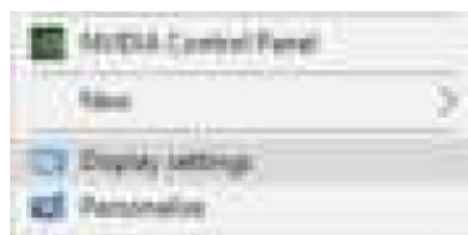
Display Connection	DP + HDMI
Host System DP 1.2 HBR2 MST	2560 x 1440 @ 60Hz / 1920 x 1080 @ 60Hz
Host System DP 1.4 HBR3 MST	3840 x 2160 @ 30Hz / 2560 x 1440 @ 60Hz / 1920 x 1080 @ 60Hz
macOS (Intel, M1, M2) SST	3840 x 2160 @ 60Hz / 2560 x 1440 @ 60Hz / 1920 x 1080 @ 60Hz 1 Extended + 1 Cloned

macOS Supports 1 extended display and a duplicate of that display
Before connecting two monitors, we suggest lowering the resolution

DISPLAY SETUP

DISPLAY SETUP Windows Users

1. Right Click at any open spot on your desktop and select "Display Settings"



2. In "Display", select either monitor 1 or monitor 2. Click and drag the selected display to your preferred arrangement



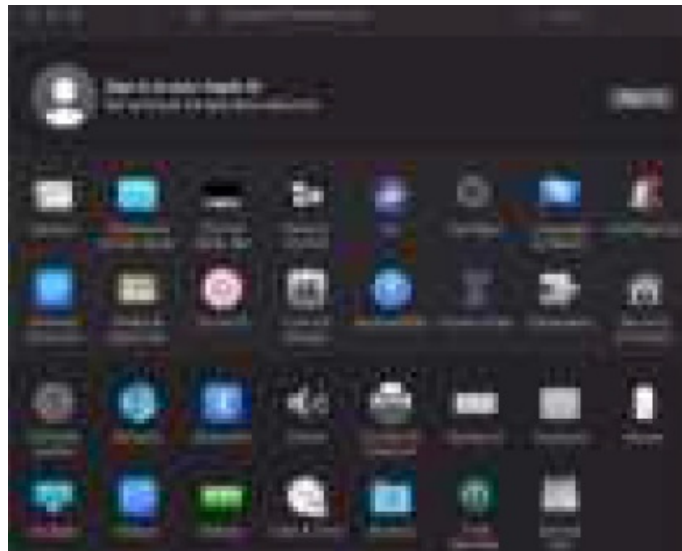
3. Scroll down to "Multiple displays" and select the mode in the drop-down list that fits your needs



DISPLAY SETUP – macOS

When a new display is connected to your Mac, it will default to being extended to the right of the main display. To configure the settings for each of your displays, select “Displays” from the “System Preferences” menu. This will open the “Display Preferences” window on each of your displays allowing you to configure each.

1. Select “System Preferences” and choose “Displays”.
2. Click on “Arrangement” to change the position of displays currently connected.



3. To use mirror mode, you must mark the “Mirror Displays” box below the central icon.
4. To change primary display, click on the small bar on top of the main monitor and drag in onto the monitor you want to be the primary.



NOTICE

FCC Statement

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15

of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment 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.

Warning: Where shielded interface cables or accessories have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC. Changes or modification to product not expressly approved by VisionTek Products, LLC could void your right to use or operate your product by the FCC.

IC Statement: CAN ICES-003 (b) / NMB -003 (B)

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

1. this device may not cause interference, and
2. this device must accept any interference, including interference that may cause undesired operation of the device.


WARRANTY

VisionTek Products LLC, ("VisionTek") is pleased to warrant to the original purchaser ("Warrantee") of the Device ("Product"), that the product will be free from manufacturing defects in material for Two (2) Years when given normal and proper usage. The product must be registered within 30 days from the original date of purchase to receive this 2 year warranty. All products not registered within 30 days will ONLY receive a 1 year limited warranty. VisionTek liability under this warranty, or in connection with any other claim relating to the product, is limited to the repair or replacement, at VisionTek option, of the product or portion of the product which is defective in manufacturing material. Warrantee assumes all risk of loss in transit. The returned products shall be the sole property of VisionTek. VisionTek warrants the repaired or replaced products will be free from manufacturing defects in material for the remainder of the warranty period.

VisionTek reserves the right to inspect and verify the defectiveness of any products or portion of product returned. This warranty does not apply to any software component.

FULL WARRANTY DISCLOSURE AVAILABLE AT WWW.VISIONTEK.COM
Product must be registered within 30 days of purchase for warranty to be valid.
IF YOU HAVE QUESTIONS OR NEED ASSISTANCE WITH THIS PRODUCT,
CALL SUPPORT AT 1 (866) 883-5411.
VisionTek is a registered trademark of VisionTek Products, LLC. Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

Documents / Resources

	VisionTek VT2900 Dual System Dock [pdf] User Manual VT2900 Dual System Dock, VT2900, VT2900 Dock, Dual System Dock, Dock
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References

-  [VisionTek | Performance PC & Mac Upgrades – VisionTek.com](#)