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› **VisionTek VT7100 Triple Display 4K USB-C Docking Station User Manual**

## VisionTek VT7100

# VisionTek VT7100 Triple Display 4K USB-C Docking Station User Manual

Model: VT7100

## INTRODUCTION

This manual provides instructions for the VisionTek VT7100 Triple Display 4K USB-C Docking Station. The VT7100 is designed to expand the connectivity of your laptop or desktop, enabling multiple external displays, various USB peripherals, network access, and power delivery through a single USB-C connection. It supports Windows, macOS, and Thunderbolt 3 & 4 systems.

*Image: The VisionTek VT7100 docking station shown with its included DisplayPort and HDMI cables.*

## PACKAGE CONTENTS

Verify that all items are present in your package:

- VisionTek VT7100 Triple Display 4K USB-C Docking Station
- USB-C to USB-C Cable (1 meter)
- User Manual (this document)
- DisplayPort to DisplayPort Cable (2 meters)
- 2x HDMI Cables (2 meters each)

# What's in the Bundle

- VT7100 Triple Display 4K USB-C Docking Station
- USB-C to USB-C 3 Foot Cable (1M)
- User Manual
- DisplayPort to DisplayPort 6 Foot Cable (2M)
- 2x HDMI 6 Foot Cable (2M)

Please visit our website for coverage and maintenance info or give us a call at (866) 883-5411.

*Image: Visual representation of the VT7100 docking station and its bundled cables.*

# PRODUCT OVERVIEW

The VT7100 docking station features a comprehensive array of ports to enhance your workstation. Familiarize yourself with the port layout:
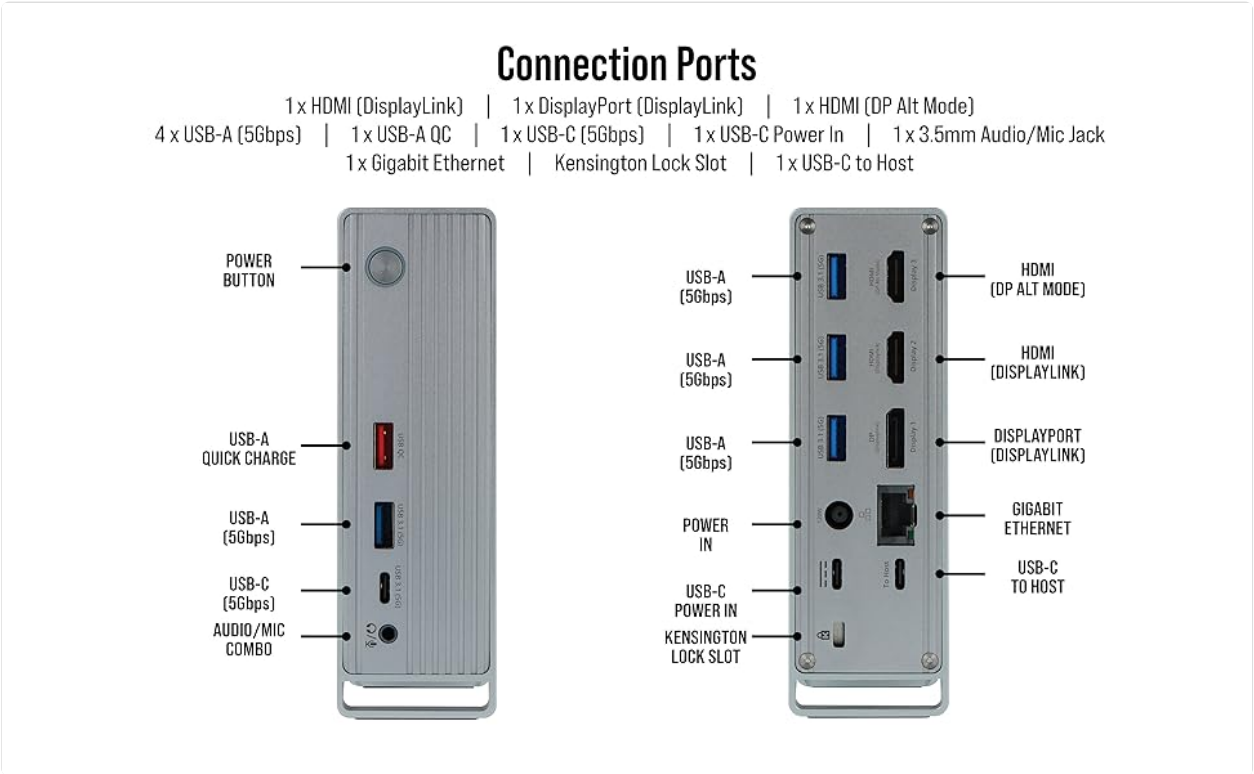


## Connection Ports

1 x HDMI (DisplayLink)  |  1 x DisplayPort (DisplayLink)  |  1 x HDMI (DP Alt Mode)
4 x USB-A (5Gbps)  |  1 x USB-A QC  |  1 x USB-C (5Gbps)  |  1 x USB-C Power In  |  1 x 3.5mm Audio/Mic Jack
1 x Gigabit Ethernet  |  Kensington Lock Slot  |  1 x USB-C to Host

*Image: Front and rear views of the VT7100 docking station, highlighting all available ports and their labels.*

## Front Panel Ports:

- **Power Button:** To power on/off the docking station.
- **USB-A (QC 3.0):** One USB 3.0 port with Quick Charge 3.0 support.
- **USB-A (5Gbps):** One USB 3.1 port for data transfer.
- **USB-C (5Gbps):** One USB 3.1 Type-C port for data transfer.
- **Audio In** / **Mic Out (3.5mm Combo Jack):** For connecting headphones with a microphone.

## Rear Panel Ports:

- **USB-A (5Gbps):** Three additional USB 3.1 ports for data transfer.
- **HDMI (DisplayLink):** Two HDMI ports powered by DisplayLink technology for external displays.
- **DisplayPort (DP Alt Mode):** One DisplayPort for an external display.
- **Gigabit Ethernet:** RJ45 port for wired network connectivity (10/100/1000 Mbps).
- **USB-C Power In:** For connecting the power adapter to the docking station.
- **USB-C to Host:** Connects the docking station to your laptop/desktop.
- **Kensington Lock Slot:** For securing the docking station.

# SETUP INSTRUCTIONS

1. **Connect Power:** Connect the power adapter (not included, but required for 100W Power Delivery) to the "USB-C Power In" port on the rear of the VT7100 docking station. Plug the power adapter into a wall outlet.

2. **Connect to Host Device:** Use the included USB-C to USB-C cable to connect the "USB-C to Host" port on the docking station to a USB-C or Thunderbolt port on your laptop or desktop.

3. **Connect Displays:**
   - For HDMI displays: Use the included HDMI cables to connect your monitors to the "HDMI (DisplayLink)" ports on the rear of the docking station.
   - For DisplayPort displays: Use the included DisplayPort cable to connect your monitor to the "DisplayPort (DP Alt Mode)" port on the rear of the docking station.
   - *Note:* For DisplayLink-powered HDMI ports, ensure DisplayLink drivers are installed on your operating system if not automatically detected.

4. **Connect Peripherals:** Connect your USB devices (keyboard, mouse, external drives, webcam) to the available USB-A and USB-C ports on the front and rear panels.

5. **Connect Network:** For wired internet access, connect an Ethernet cable from your router or modem to the "Gigabit Ethernet" port on the rear of the docking station.

6. **Connect Audio:** If using a wired headset, connect it to the 3.5mm Audio Combo Jack on the front panel.

7. **Power On:** Press the Power Button on the front panel of the docking station. Your host device should detect the connected displays and peripherals.
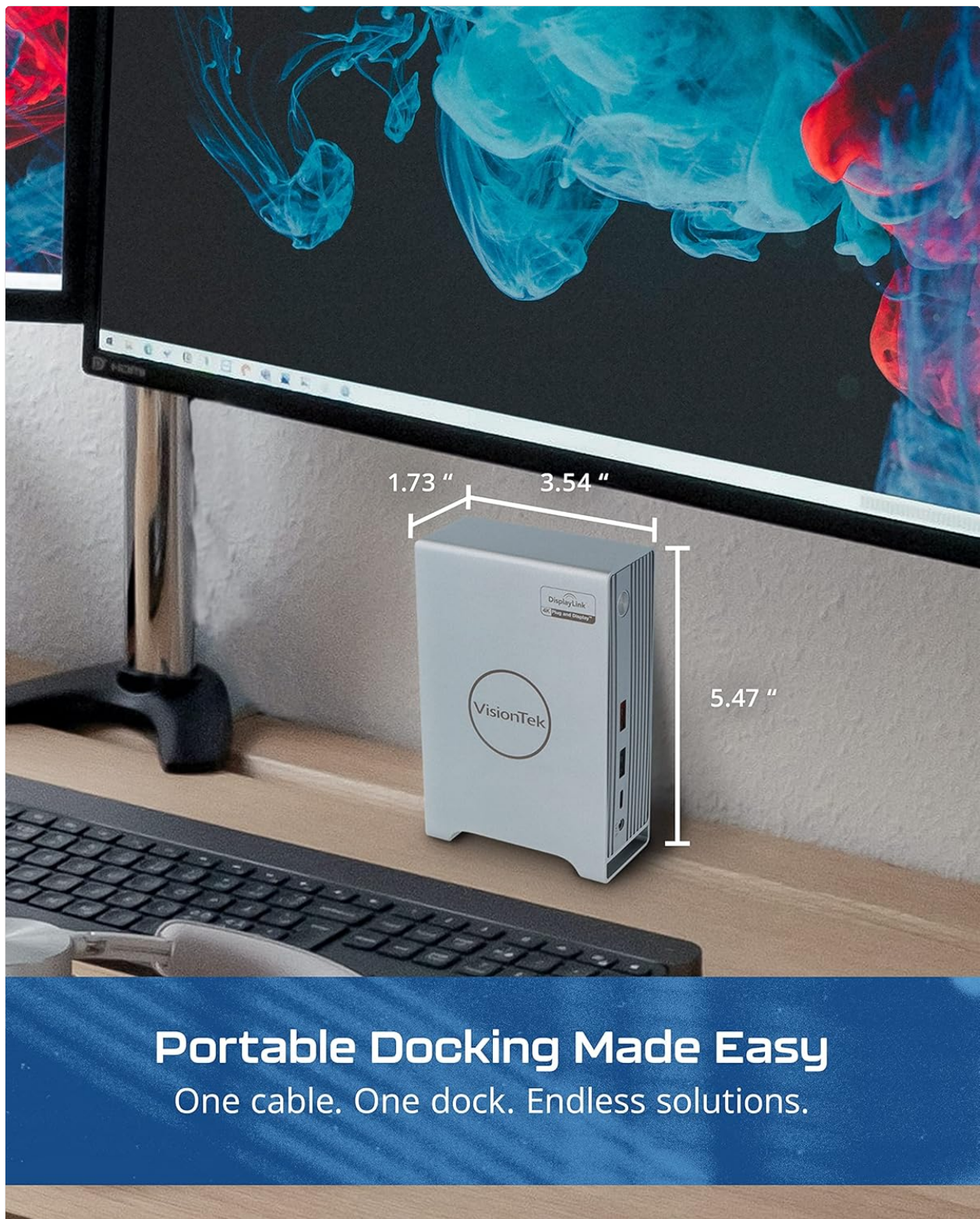
*Image: A setup demonstrating the VT7100 docking station connected to a laptop and multiple external displays.*

## OPERATING INSTRUCTIONS

### Display Configuration:

Once connected, your operating system (Windows, macOS, ChromeOS) should automatically detect the external displays. You may need to adjust display settings:

- **Extend Displays:** To use multiple monitors as an extended desktop, navigate to your operating system's display settings and select "Extend these displays."
- **Mirror Displays:** To duplicate your primary screen on external monitors, select "Duplicate these displays" in your display settings.
- **Resolution and Orientation:** Adjust resolution, refresh rate, and screen orientation (portrait/landscape) as needed within your display settings. The VT7100 supports resolutions up to 4K Ultra HD.

## Power Delivery:

The VT7100 provides up to 100W of Power Delivery to your connected laptop via the USB-C to Host cable, provided a compatible power adapter is connected to the dock's "USB-C Power In" port. This allows your laptop to charge while connected to the docking station.

## USB Peripherals:

All connected USB devices will function as if directly connected to your host device. The USB 3.0 QC 3.0 port offers faster charging for compatible devices.

## Network Connectivity:

The Gigabit Ethernet port provides a stable and fast wired network connection. Ensure your host device's network settings are configured for Ethernet if necessary.

## MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the docking station. Avoid liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the docking station is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Storage:** When not in use for extended periods, store the docking station in a cool, dry place away from direct sunlight.
- **Firmware/Driver Updates:** Periodically check the VisionTek website for any available firmware updates for the docking station or updated DisplayLink drivers.
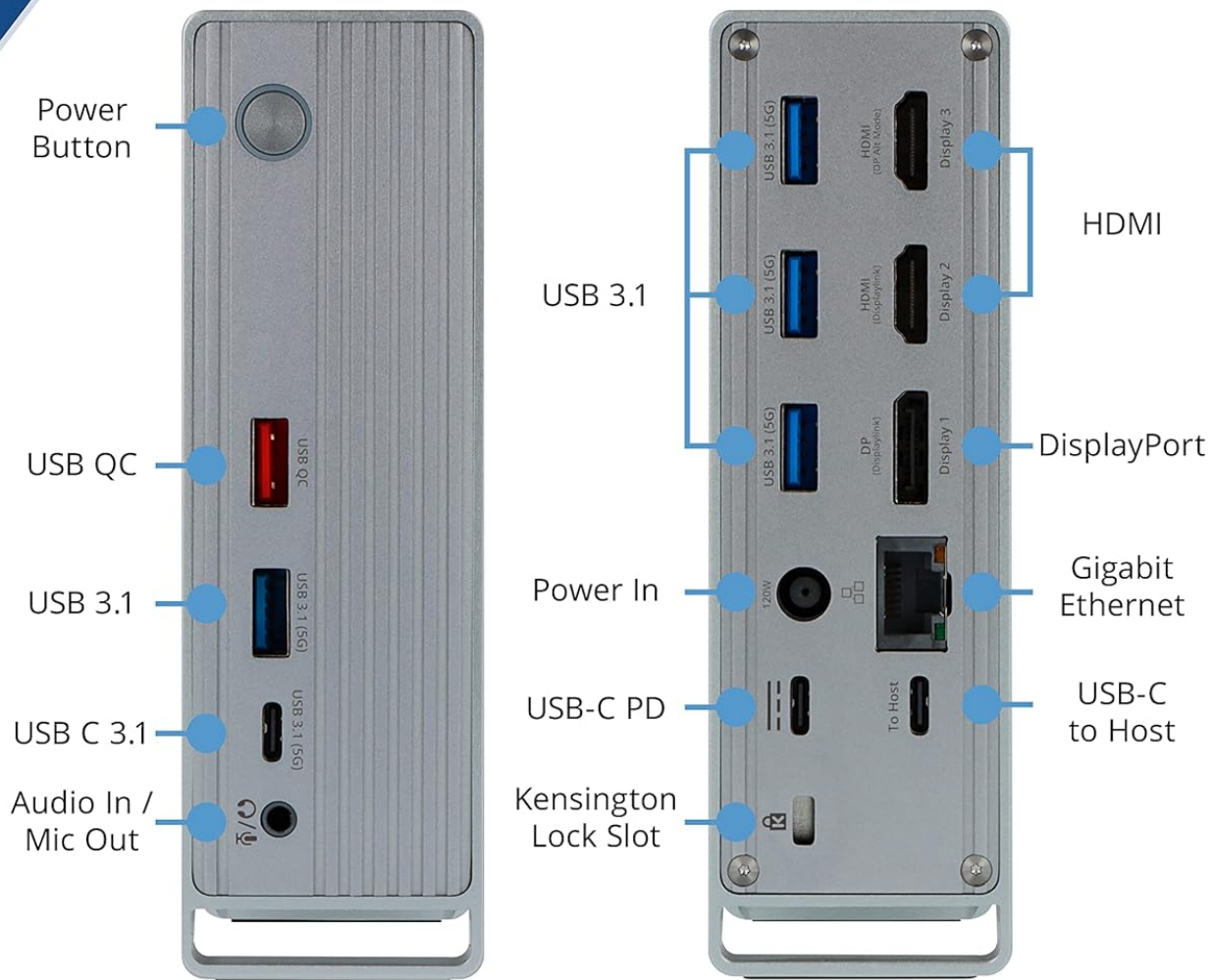
## TROUBLESHOOTING

| Problem | Possible Solution |
|---|---|
| No display output from monitors. | - Ensure the docking station is powered on and the power adapter is securely connected.<br>- Verify the USB-C cable connecting the dock to your host device is secure.<br>- Check that display cables (HDMI, DisplayPort) are firmly connected to both the dock and the monitors.<br>- Confirm your monitors are powered on and set to the correct input source.<br>- Install or update DisplayLink drivers for the HDMI (DisplayLink) ports.<br>- Try restarting your host device. |

| Problem | Possible Solution |
|---|---|
| USB devices are not recognized. | <ul><li>Ensure the docking station is powered on.</li><li>Reconnect the USB-C cable between the dock and your host device.</li><li>Try connecting the USB device to a different port on the dock.</li><li>Test the USB device by connecting it directly to your host device.</li></ul> |
| No network connection via Ethernet. | <ul><li>Check the Ethernet cable connection to both the dock and your router/modem.</li><li>Verify that your host device's network settings are configured for Ethernet.</li><li>Ensure the docking station is powered on.</li></ul> |
| Laptop is not charging. | <ul><li>Confirm a compatible power adapter is connected to the dock's "USB-C Power In" port and plugged into a wall outlet.</li><li>Ensure your laptop supports USB-C Power Delivery.</li><li>Verify the USB-C to Host cable is securely connected.</li></ul> |

## SPECIFICATIONS

| Feature | Detail |
|---|---|
| Model | VT7100 |
| Brand | VisionTek |
| Host Connection | USB-C (Thunderbolt 3 & 4 compatible) |
| Video Output | 2x HDMI (DisplayLink), 1x DisplayPort (DP Alt Mode) |
| Max Resolution | 4K Ultra HD (per display, depending on configuration) |
| USB Ports | 4x USB 3.0 (5Gbps), 1x USB 3.0 QC 3.0, 1x USB-C (5Gbps) |
| Ethernet | Gigabit Ethernet (10/100/1000 Mbps) |
| Audio | 3.5mm Audio Combo Jack |
| Power Delivery | Up to 100W to host (via USB-C Power In) |
| Security | Kensington Lock Slot |
| Compatible OS | Windows, macOS, ChromeOS |

# Truly Universal Docking

Power Button

USB 3.1

USB QC

USB 3.1

HDMI

USB 3.1

Power In

DisplayPort

USB-C PD

Gigabit Ethernet

USB C 3.1

USB-C to Host

Audio In / Mic Out

Kensington Lock Slot

USB QC

USB 3.1 (5G)

USB 3.1 (5G)

USB 3.1 (5G)

USB 3.1 (5G)

HDMI (DP Alt Mode) — Display 3

HDMI (DisplayIink) — Display 2

DP (DisplayIink) — Display 1

120W

To Host

DP to DP 2M Cable

HDMI 6 Foot Cable (2x)

VisionTek VisionTek

# Ready-to-Go Bundle

Get everything you need for your working station.

*Image: The VT7100 docking station with its dimensions labeled.*

## WARRANTY AND SUPPORT

Specific warranty information and detailed support contacts are not provided in this manual. For warranty details, technical support, or further assistance, please refer to the official VisionTek website or contact VisionTek customer service directly.

You can typically find support information on the manufacturer's website:

www.visiontek.com