j5create JCH462

j5create JCH462 Wormhole Switch Display Sharing Hub User Manual

Model: JCH462 | Brand: j5create

1. INTRODUCTION

The j5create JCH462 Wormhole Switch Display Sharing Hub is designed to enhance productivity by allowing seamless interaction between two Windows computers. This device enables sharing of a single keyboard, mouse, display, and files between two PCs, supporting both duplicate and extended display modes. It is compatible with Windows 10 and Windows 11 operating systems.

2. PRODUCT FEATURES

- **Effortless Device Control:** Control two Windows computers using a single keyboard and mouse with built-in KM (Keyboard & Mouse) functionality.

- **Screen Sharing Options:** Share screens between two Windows devices, supporting both Duplicate and Extend modes in a Virtual 2nd Display. Features a movable and resizable Picture-in-Picture (PIP) window in Duplicate mode.

- **Intuitive File Sharing:** Transfer files easily using drag-and-drop or copy-and-paste functionality across screens or the Picture-in-Picture window.

- **Touchscreen Integration:** Supports virtual multi-touch, Windows gestures, and stylus pen functionality when using a touchscreen tablet. Adapts to rotation and resizing of Windows tablets in Extended mode.

- **Versatile Peripheral Connectivity:** Equipped with two USB Type-A 5 Gbps ports and one USB-C 5 Gbps port for connecting various peripherals. Note: Peripheral ports work with the PC1 host.

3. SETUP GUIDE

Follow these steps to set up your j5create JCH462 Wormhole Switch Display Sharing Hub:

1. **Connect the JCH462 to Both Computers:**
   Connect one end of the JCH462 cable (USB-C or USB-A with adapter) to your first Windows computer (PC1) and the other end to your second Windows computer (PC2). Ensure both computers are powered on.

Image: The JCH462 hub connected via USB-C to a laptop and via USB-A to a desktop PC, illustrating the initial connection step.

2. **Install the Built-in Driver:**
   The JCH462 has a built-in driver. On both connected computers, navigate to 'File Explorer', locate the 'WORMHOLE' drive, and run 'WormholeSwitchDisplaySharing.exe' to install the necessary software.

Image: A screenshot demonstrating how to find and execute the driver installation file from the 'WORMHOLE' drive in Windows File Explorer.

3. **Verify Connection:**
   Once the software is installed on both PCs, a control bar will appear at the right corner of both screens, indicating a successful connection. You are now ready to use the hub.

Includes Keyboard/Mouse Switch Functionality

Use one keyboard/mouse to control both devices, increase your productivity and make task-switching a breeze

Image: A visual representation of the control bar that appears on the desktop, confirming the hub's connection and offering display mode options.

Setup Video Guide

Your browser does not support the video tag.

Video: This official product video demonstrates the connection process and various functionalities of the j5create Wormhole Switch Display Sharing Hub, including screen sharing, file transfer, and KM control.

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4. OPERATING INSTRUCTIONS

4.1 Keyboard and Mouse (KM) Control

After successful setup, your single keyboard and mouse can control both connected Windows computers. Simply move your mouse cursor to the edge of one screen, and it will seamlessly transition to the other computer's display, allowing you to control it. The keyboard input will follow the active mouse cursor.

Massive Expansion

Built-in 2 USB Type-A and 1 USB-C 5Gbps port for connecting various peripherals[Only works with PC1 host]

Image: A user operating two Windows computers with a single keyboard and mouse, highlighting the seamless transition of control.

4.2 Screen Sharing

The hub supports two primary screen sharing modes:

- **Duplicate Mode:** Mirrors the display of one computer onto the other. In this mode, a movable and resizable Picture-in-Picture (PIP) window is available, allowing you to view content from the second PC on the primary display.

- **Extend Mode:** Extends your desktop across both computers, treating the second PC's display as an additional monitor. This allows for a larger workspace.

You can switch between these modes using the control bar that appears on your screen after installation.

Image: A visual comparison of Duplicate and Extend display modes between a laptop and a desktop monitor, facilitated by the sharing hub.

Installation Guide

Image: A user utilizing the Picture-in-Picture feature in Duplicate mode, showing content from a secondary computer within a resizable window on the main display.

4.3 File Sharing

Transfer files between your two connected Windows computers effortlessly using drag-and-drop or standard copy-and-paste functions. This works across both the main screens and within the Picture-in-Picture window.

Work across two computers

The ideal companion for engineers, designers, creators, and professionals

Image: An illustration depicting the drag-and-drop file transfer capability between two Windows computers connected by the hub.

4.4 Touchscreen and Stylus Support

When using a touchscreen tablet as one of the connected devices, the hub enables virtual multi-touch capabilities, Windows gestures, and stylus pen support. This is particularly useful for graphic design or note-taking, adapting to the tablet's rotation and resizing in Extended mode.

Image: A user drawing on a tablet with a stylus, with the output displayed on a larger monitor, showcasing the touchscreen integration feature.

4.5 Peripheral Connectivity

The JCH462 includes two USB Type-A 5 Gbps ports and one USB-C 5 Gbps port. These ports allow you to connect various peripherals such as mice, keyboards, webcams, cameras, flash drives, HDDs, and SSDs. Please note that these peripheral ports function only with the PC1 host.

Quality in Every Detail

Image: A detailed view of the JCH462 hub's ports, illustrating its capability to connect multiple USB 3.2 (5 Gbps) peripherals.

5. Maintenance

To ensure the longevity and optimal performance of your j5create JCH462 Wormhole Switch Display Sharing Hub, follow these general maintenance guidelines:

- **Keep Clean:** Regularly wipe the device with a soft, dry cloth to remove dust and debris. Avoid using liquid cleaners or abrasive materials.

- **Proper Storage:** When not in use, store the hub in a cool, dry place away from direct sunlight and extreme temperatures.

- **Handle with Care:** Avoid dropping the device or subjecting it to strong impacts. Do not pull on the cables forcefully.

- **Ventilation:** Ensure the device is placed in an area with adequate ventilation to prevent overheating.

6. Troubleshooting

If you encounter issues with your JCH462 hub, refer to the following common troubleshooting steps:

- **No Connection/Device Not Recognized:**

  - Ensure both ends of the JCH462 cable are securely connected to the USB-C or USB-A ports on both computers.
  - Verify that the 'WormholeSwitchDisplaySharing.exe' software has been successfully installed and is running on both PCs.
  - Try connecting the hub to different USB ports on your computers.
  - Restart both computers and reconnect the hub.

- **Mouse/Keyboard Lag or Disconnection:**

  - Ensure your computers meet the minimum system requirements (Windows 10/11).

- Close any unnecessary applications running in the background that might consume significant system resources.
- Check for any software updates for the JCH462 from the j5create website.
- If using multiple virtual desktops, ensure the JCH462 software is active on the desktop you are currently using.

- **Screen Sharing Issues (Duplicate/Extend not working):**

  - Confirm that the display settings on both Windows computers are correctly configured for multiple displays.
  - Use the control bar provided by the JCH462 software to explicitly select 'Duplicate' or 'Extend' mode.
  - Ensure your graphics drivers are up to date on both systems.

- **File Transfer Problems:**

  - Verify that both computers are properly connected and recognized by the JCH462 software.
  - Ensure the files are not locked or in use by another application.
  - For large files, transfer times may vary depending on system performance.

7. SPECIFICATIONS

Feature	Description
Brand	j5create
Model Number	JCH462
Hardware Interface	USB
Special Feature	Plug and Play
Compatible Devices	Windows PC, Laptop, and other USB-compatible devices
Operating System	Windows 10, Windows 11
Total USB Ports	3 (2x USB Type-A 5 Gbps, 1x USB-C 5 Gbps)
Data Transfer Rate	5 Gigabits Per Second
Enclosure Material	Aluminum
Item Weight	0.15 Kilograms

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your product or visit the official j5create website. If you require technical assistance or have questions regarding the JCH462 Wormhole Switch

Display Sharing Hub, please contact j5create customer support through their official channels.