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Renkforce RF-4599772

Renkforce RF-4599772 USB-C Docking Station User Manual

Model: RF-4599772

1. INTRODUCTION

The Renkforce RF-4599772 USB-C Docking Station is a versatile hub designed to expand the connectivity of your USB-C enabled device. It integrates multiple essential ports, including HDMI for video output, USB 3.0 for high-speed data transfer, and a card reader for SD and microSD cards. Additionally, it features an M.2 SSD enclosure for expanding storage and supports USB-C Power Delivery to charge your host device.

Key Features:

- Integrated M.2 2280 B&M SSD enclosure, supporting up to 2TB storage.
- HDMI output with up to 4K @ 30Hz resolution.
- USB-C Power Delivery (PD) up to 100W.
- Two USB 3.0 ports for high-speed data transfer (up to 5 Gbps).
- Fast data transfer for SD and microSD cards.

2. PACKAGE CONTENTS

Please check the package contents upon unpacking. If any items are missing or damaged, contact your retailer.

- Renkforce RF-4599772 USB-C Docking Station
- Screwdriver and screws for SSD installation
- User Manual (this document)



Image: The Renkforce RF-4599772 docking station shown with the included screwdriver and small screws, indicating tools for internal component installation.

3. PRODUCT OVERVIEW

Familiarize yourself with the ports and features of your docking station:



Image: A top-down view of the Renkforce RF-4599772 docking station, clearly displaying the USB-C PD input, SD/MicroSD card slots, HDMI port, and two USB 3.0 ports.

1. **USB-C PD Port:** Connect your USB-C power adapter for Power Delivery to the host device.
2. **SD Card Slot:** Insert standard SD cards for data transfer.
3. **MicroSD Card Slot:** Insert microSD cards for data transfer.
4. **HDMI Port:** Connect to an external display for video output.
5. **USB 3.0 Ports (x2):** Connect USB peripherals such as keyboards, mice, or external drives.
6. **USB-C Host Cable:** Connects the docking station to your computer's USB-C port.

4. SETUP

4.1. SSD Installation (Optional)

The docking station includes an M.2 SSD enclosure. Follow these steps to install an M.2 2280 B&M SSD:



Image: An internal view of the docking station's circuit board, highlighting the slot for an M.2 SSD and other integrated components.

1. Carefully open the docking station casing using the provided screwdriver.
2. Locate the M.2 slot on the circuit board.
3. Insert your M.2 2280 B&M SSD into the slot at an angle, then gently push it down.
4. Secure the SSD with the provided screw.
5. Close the docking station casing securely.

4.2. Connecting to Your Host Device

1. Connect the integrated USB-C host cable from the docking station to a USB-C port on your computer or laptop.
2. The docking station is plug-and-play and should be recognized automatically by your operating system.

4.3. Connecting Peripherals

- **Power Delivery:** If your host device supports USB-C PD, connect your original USB-C power adapter to the USB-C PD port on the docking station. This will charge your host device through the docking station.
- **HDMI Display:** Connect an HDMI cable from the docking station's HDMI port to your external monitor or TV. Ensure your display is set to the correct input source.
- **USB Devices:** Plug your USB peripherals (e.g., mouse, keyboard, USB flash drive) into the USB 3.0 ports.
- **Memory Cards:** Insert SD or microSD cards into their respective slots.

5. OPERATING INSTRUCTIONS

5.1. Using the HDMI Output

Once connected, your operating system should automatically detect the external display. You can configure display settings (e.g., duplicate, extend, resolution) through your computer's display settings.

- Supports resolutions up to 4K (3840 x 2160) at 30Hz.
- For optimal performance, ensure your HDMI cable and display support the desired resolution.

5.2. Data Transfer via USB 3.0 Ports

The two USB 3.0 ports support data transfer speeds up to 5 Gbps. Connect your USB devices and access them as you would directly from your computer.

5.3. Using the Card Reader

Insert your SD or microSD card into the corresponding slot. The card will appear as a removable drive on your computer, allowing you to transfer files.

- Ensure the card is inserted correctly and fully seated.
- Always safely eject the card from your operating system before removing it physically.

5.4. Using the M.2 SSD Enclosure

After installing an M.2 SSD (as per Section 4.1), the SSD will function as an external storage device. It may require initialization and formatting through your operating system's disk management tools before first use.

6. MAINTENANCE

- Keep the docking station clean by wiping it with a soft, dry cloth.
- Avoid using liquid cleaners or solvents.
- Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not expose the device to moisture or liquids.

7. TROUBLESHOOTING

- **No display output:**
 - Ensure the USB-C host cable is securely connected to both the docking station and your computer.
 - Verify the HDMI cable is properly connected to the docking station and the display.
 - Check your computer's display settings to ensure the external monitor is detected and configured correctly.
 - Try a different HDMI cable or display if possible.
- **USB devices not recognized:**
 - Ensure the USB-C host cable is firmly connected.
 - Try connecting the USB device to a different USB port on the docking station or directly to your computer.
 - Some high-power USB devices may require external power or a direct connection to the computer.
- **SD/MicroSD card not detected:**

- Ensure the card is fully inserted into the correct slot.
- Try a different card or connect the card directly to your computer if possible.
- Check your computer's disk management for the card.
- **Power Delivery not working:**
 - Ensure your USB-C power adapter is connected to the docking station's USB-C PD port.
 - Verify that your host device supports USB-C Power Delivery.
 - Use the original power adapter provided with your host device or a compatible high-wattage USB-C PD charger.

8. SPECIFICATIONS

Model Number	RF-4599772
Brand	Renkforce
Connectivity Technology	USB-C
Hardware Interface	USB
Data Transfer Rate	5 Gbps (USB 3.0)
HDMI Resolution	Up to 4K @ 30Hz
Power Delivery	Up to 100W
M.2 SSD Support	M.2 2280 B&M Key, up to 2TB
Card Reader	SD, MicroSD
Compatible Devices	Computers with USB-C port
Color	Grey-aluminum
Item Weight	98 Grams

9. SAFETY INFORMATION

- Do not disassemble or modify the device.
- Avoid extreme temperatures, humidity, and direct sunlight.
- Keep out of reach of children.
- Use only compatible power adapters for Power Delivery.
- Disconnect the device during lightning storms or when unused for long periods.

10. WARRANTY AND SUPPORT

Renkforce products are designed for reliability and performance. For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official Renkforce website. Please have your model number (RF-4599772) and proof of purchase ready when contacting support.

For the latest drivers and software updates, please visit the manufacturer's website.

