Unitek R1022A

Unitek CFexpress Type A and SD4.0 UHS-II Memory Card Reader (Model R1022A) User Manual

Model: R1022A

1. INTRODUCTION

The Unitek CFexpress Type A and SD4.0 UHS-II Memory Card Reader is designed for high-speed data transfer from CFexpress Type A and SD cards to your computer or compatible device. Featuring USB 3.2 Gen 2 connectivity, it supports transfer speeds up to 10Gbps, making it suitable for professionals requiring efficient handling of large files such as high-resolution photos and Full HD videos.

Image 1.1: Unitek CFexpress Type A and SD4.0 UHS-II Memory Card Reader.

2. PRODUCT FEATURES

- **High-Speed Data Transfer:** Supports up to 10Gbps (1250MB/s) via USB 3.2 Gen 2x1 for CFexpress Type A and SD4.0 UHS-II cards. Backward compatible with USB 3.1 Gen 1 and USB 3.0. An LED indicator shows data transfer activity.

- **Dual Card Slots:** Features dedicated slots for CFexpress Type A and SD cards (SD/SDHC/SDXC/SDUC). Both slots can be used simultaneously. Note: Not compatible with CFexpress Type B/C or XQD cards.

- **Broad Compatibility:** Compatible with Windows, macOS, Linux, and Android operating systems. Supports CFexpress cards up to 2TB capacity.

- **Durable and Portable Design:** Constructed with an aluminum alloy housing for durability and efficient heat dissipation. Its compact size is suitable for travel.

CFEXPRESS TYPE A CARD READER

Support UHS-II Interface and Transfer Speeds

Image 2.1: Illustration of CFexpress Type A and SD card compatibility.

3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x Unitek CFexpress Type A and SD4.0 UHS-II Memory Card Reader
- 1 x USB-C to USB-C Cable
- 1 x User Manual (this document)

4. SETUP

1. Connect one end of the provided USB-C to USB-C cable to the USB-C port on the Unitek card reader.
2. Connect the other end of the USB-C cable to an available USB-C port on your computer, laptop, tablet, or smartphone.
3. The device is plug-and-play and does not require any driver installation. Your operating system should automatically recognize the card reader.

4. For optimal 10Gbps transfer speeds, ensure your host device's USB-C port supports USB 3.2 Gen 2.

Image 4.1: Connecting the card reader to a laptop via USB-C.

5. OPERATING INSTRUCTIONS

5.1 Inserting Memory Cards

- **For CFexpress Type A Cards:** Gently insert your CFexpress Type A card into the designated CFexpress Type A slot on the reader until it clicks into place. Ensure the card is oriented correctly.

- **For SD Cards:** Gently insert your SD, SDHC, SDXC, or SDUC card into the designated SD slot on the reader until it clicks into place. Ensure the card is oriented correctly.
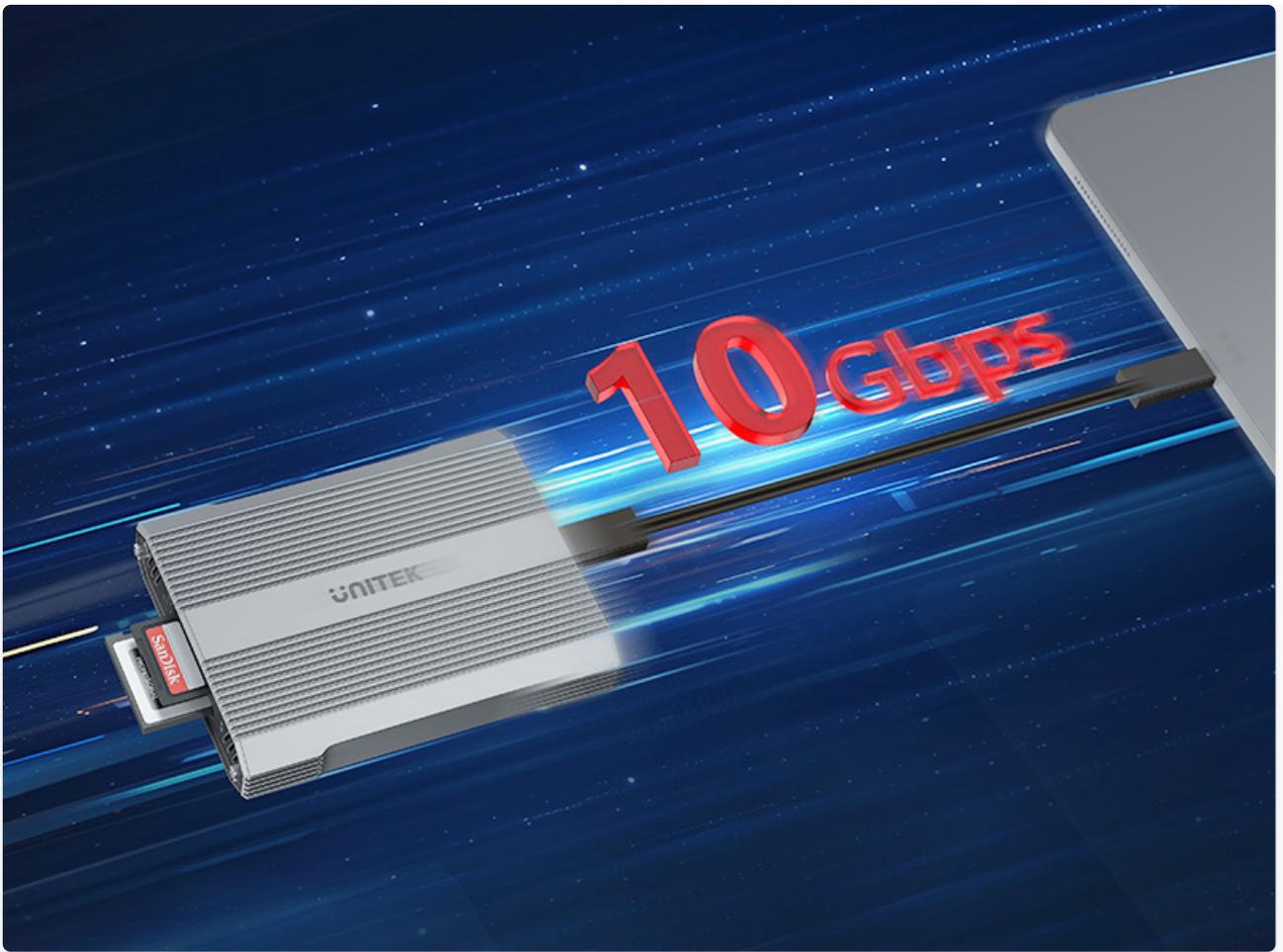
Image 5.1: Correct insertion of a CFexpress Type A card.

Image 5.2: Correct insertion of an SD card.

5.2 Data Transfer

1. Once a card is inserted and the reader is connected, it will appear as a removable drive in your computer's file explorer (Windows) or Finder (macOS).

2. You can now drag and drop files, copy, or move data between your memory card and your computer.

3. The LED indicator on the reader will flicker during active data transfer.

Image 5.3: Visual representation of 10Gbps data transfer.

5.3 Safely Ejecting Cards

To prevent data corruption, always safely eject the memory card or the card reader from your operating system before physically removing the card or disconnecting the reader.

- **Windows:** Right-click on the drive icon in 'This PC' or 'File Explorer' and select 'Eject'.

- **macOS:** Drag the drive icon from the desktop or Finder sidebar to the Trash, or right-click and select 'Eject'.

6. COMPATIBILITY

The Unitek R1022A card reader offers broad compatibility:

- **Memory Card Types:** CFexpress Type A, SD, SDHC, SDXC, SDUC (SD4.0 UHS-II).
- **Operating Systems:** Windows, macOS, Linux, Android.
- **Host Devices:** Laptops, desktop computers, tablets, and smartphones with a USB-C port.

Important Note: This card reader is specifically designed for CFexpress Type A cards and is**not compatible** with CFexpress Type B, CFexpress Type C, or XQD cards.

Specialized for PRO photographers, videographers influencers, filmmakers, and vloggers.

Image 6.1: Compatibility with various operating systems and devices.

7. MAINTENANCE

- Keep the card reader clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Do not attempt to disassemble or modify the card reader, as this will void the warranty.
- **Heat Management:** The aluminum alloy housing aids in heat dissipation. However, during prolonged high-speed data transfers or if left connected with cards inserted, the device and cards may become warm. To prolong the lifespan of your cards and the reader, it is recommended to remove cards when not actively transferring data.

8. TROUBLESHOOTING

- **Device Not Recognized:**
  - Ensure the USB-C cable is securely connected to both the card reader and your host device.
  - Try connecting to a different USB-C port on your device.
  - Test with a different USB-C cable if available.
  - Restart your computer or host device.
- **Slow Transfer Speeds:**
  - Verify that your host device's USB-C port supports USB 3.2 Gen 2 (10Gbps). Older USB versions will result in lower speeds.
  - Ensure your memory cards (CFexpress Type A or SD) are high-speed cards capable of 10Gbps or UHS-II speeds.
  - Close any background applications that might be consuming system resources or performing other data transfers.

- **Memory Card Not Reading:**

  - Ensure the memory card is inserted correctly and fully into the appropriate slot.
  - Check if the memory card is damaged or corrupted. Try the card in another device if possible.
  - Confirm that you are using a compatible card type (CFexpress Type A or SD). This reader does not support CFexpress Type B/C or XQD cards.

- **Device Overheating:**

  - It is normal for the device to become warm during operation, especially during large data transfers.
  - If the device feels excessively hot, ensure it has adequate ventilation and is not covered.
  - Remove memory cards from the reader when not in active use to reduce heat buildup.

9. SPECIFICATIONS

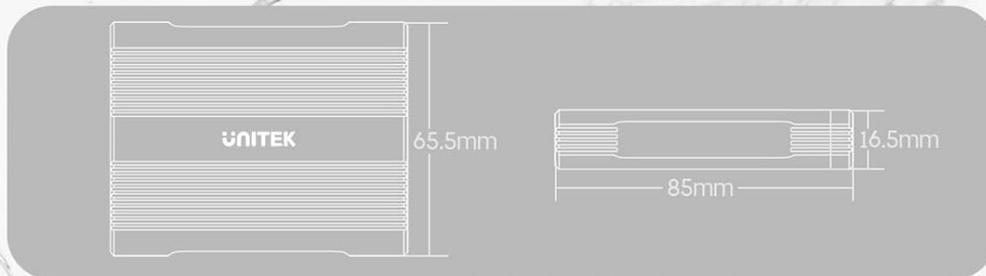|	
Brand	Unitek
Model Name	R1022A
Media Type	CFexpress Type A, SD4.0 UHS-II (SD/SDHC/SDXC/SDUC)
Connectivity Technology	USB Type C (USB 3.2 Gen 2x1)
Data Transfer Rate	Up to 10 Gigabits Per Second
Compatible Devices	Laptop, PC, Phone, Tablet
Operating System	Windows, macOS, Linux, Android
Special Feature	Compact, Plug & Play
Housing Material	Aluminum Alloy
Max CFexpress Card Capacity	2TB

Image 9.1: Compact design and dimensions of the card reader.

10. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 10.1: Official product video demonstrating the Unitek CFexpress Type A and SD4.0 UHS-II Memory Card Reader, highlighting its dual card slots, 10Gbps data transfer speed, and USB-C connectivity.

11. WARRANTY AND SUPPORT

The Unitek CFexpress Type A and SD4.0 UHS-II Memory Card Reader comes with a **1-year warranty** from the date of purchase.

For technical support, warranty claims, or any other inquiries, please contact Unitek customer service. Refer to the product packaging or the official Unitek website for the most current contact information.