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fanxiang FF520

fanxiang FF520 512GB USB 3.2 Gen 2 Dual-Interface External SSD User Manual

Model: FF520 | Brand: fanxiang

1. Introduction and Overview

The fanxiang FF520 is a high-performance 512GB external Solid State Drive (SSD) designed for rapid data transfer and broad compatibility. Featuring both USB-C and USB-A 3.2 Gen 2 interfaces, it offers versatile connectivity for a wide range of devices. Its durable all-zinc alloy metal case and 360° swivel design ensure both protection and convenience. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your FF520 SSD.



Figure 1: fanxiang FF520 Dual Drive External SSD

The FF520 is engineered with TLC NAND flash for enhanced stability and a longer lifespan, offering superior durability compared to QLC flash. It supports read speeds of up to 560MB/s and write speeds of up to 520MB/s, enabling quick transfer of large files such as videos, games, movies, and documents.

2. Setup

The fanxiang FF520 SSD is designed for plug-and-play functionality, requiring no additional drivers or complex installation. It comes pre-formatted with exFAT, ensuring compatibility across various operating systems.

2.1 Connecting the Device

1. **Identify the correct connector:** The FF520 features a 360° swivel design, allowing you to switch between a USB-A 3.2 Gen 2 connector and a USB-C 3.2 Gen 2 connector.
2. **Insert into your device:** Plug the appropriate connector into the corresponding port on your smartphone, tablet, laptop, desktop computer, gaming console, or car audio system.
3. **Device Recognition:** Your device should automatically recognize the FF520 SSD as an external storage drive. You may see a

notification indicating that a new storage device has been connected.

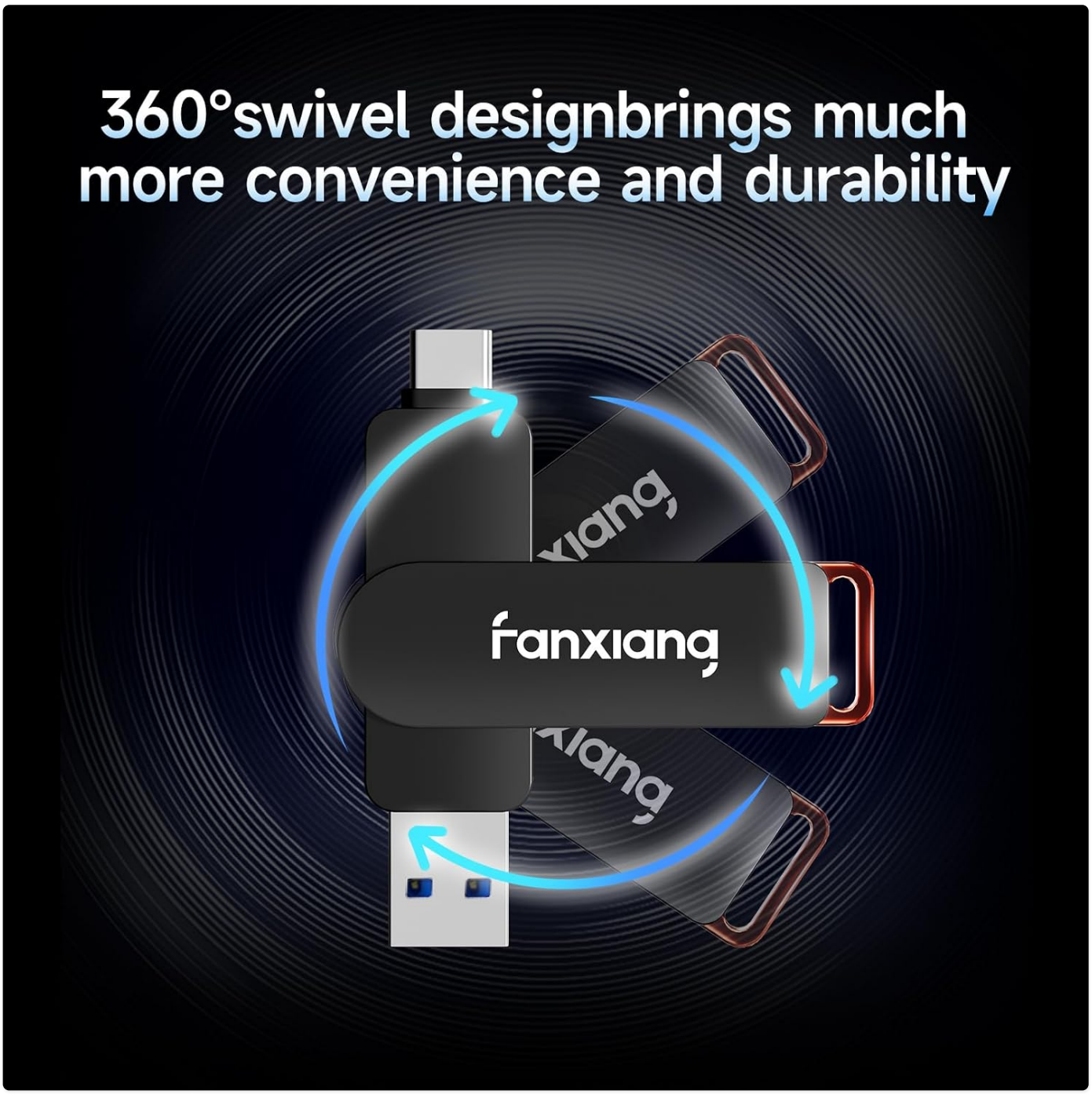


Figure 2: 360° Swivel Design for Dual Connectivity

2.2 Initial Use

Once connected, the drive will appear in your device's file manager or 'My Computer' (Windows) / 'Finder' (Mac). You can immediately begin transferring files.

3. Operating Instructions

3.1 Data Transfer

- **Copying Files:** Drag and drop files or folders from your device to the FF520 drive, or use the copy/paste function.
- **Moving Files:** Drag and drop files or folders from your device to the FF520 drive while holding down the Shift key (Windows) or Command key (Mac) to move them, or use the cut/paste function.
- **Accessing Files:** Open the FF520 drive in your file manager to browse and open stored files directly.



Figure 3: Convenient Data Transfer between PC/Tablet and Smartphone

3.2 Speed Performance

The FF520 utilizes USB 3.2 Gen 2 technology, providing high-speed data transfer. Actual speeds may vary based on the host device, operating system, file size, and application. For optimal performance, ensure your device supports USB 3.2 Gen 2.

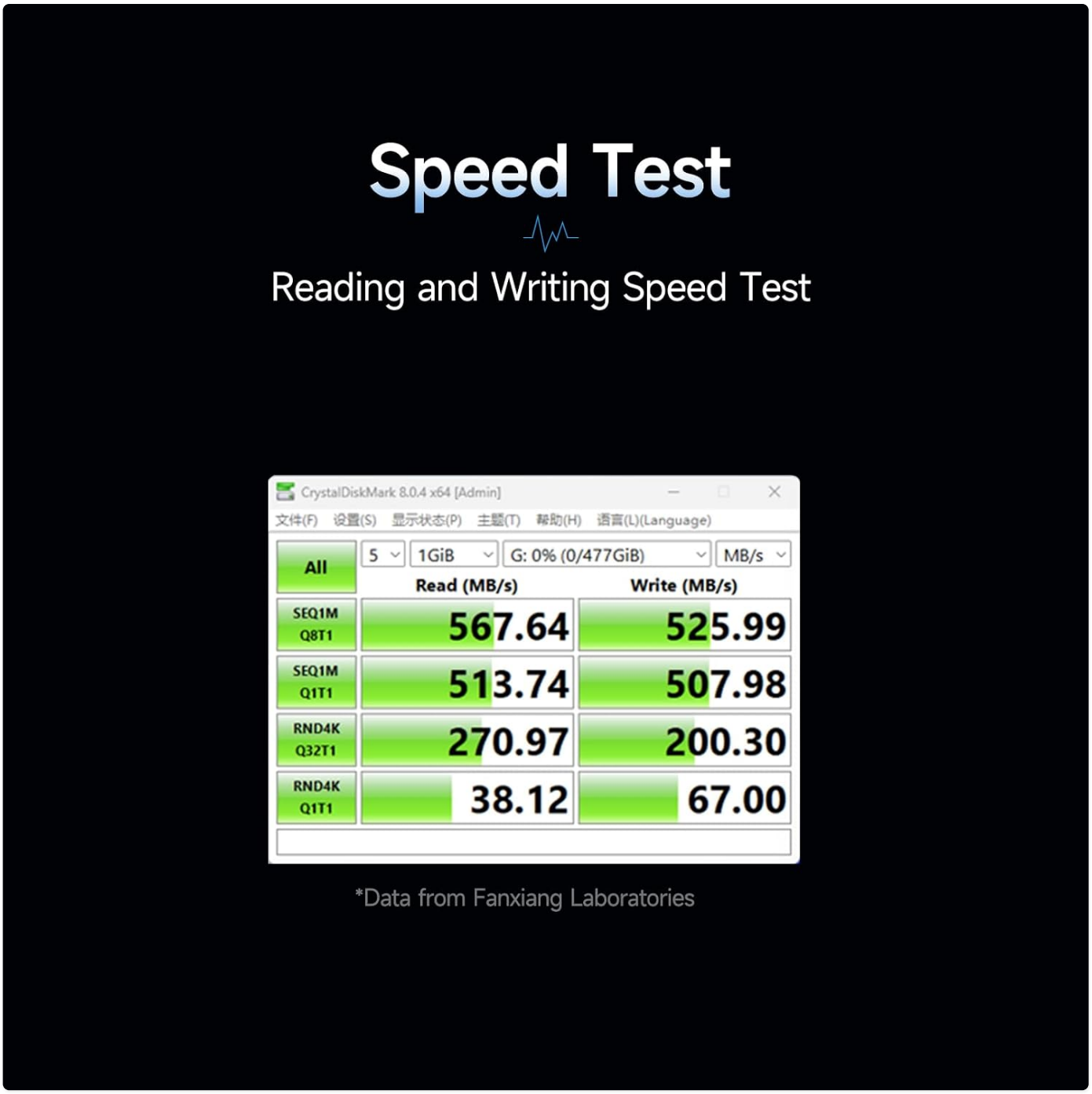


Figure 4: Example Speed Test Results

3.3 Compatibility

The dual USB-C and USB-A 3.2 Gen 2 interfaces ensure wide compatibility with:

- Android smartphones (OTG-enabled)
- iPhone 15/16 (and newer models with USB-C)
- iPad Pro, MacBook
- Windows PCs, Mac OS X systems, Linux systems
- PS4, Smart TVs, Car Audio systems



Figure 5: Wide Compatibility Across Devices

4. Maintenance

To ensure the longevity and optimal performance of your fanxiang FF520 SSD, follow these maintenance guidelines:

- **Safe Removal:** Always safely eject the drive from your operating system before physically disconnecting it to prevent data corruption.
- **Physical Protection:** The all-zinc alloy metal case provides resistance to falling and abrasion. However, avoid excessive force or dropping the device from significant heights.
- **Environmental Conditions:** The drive is designed with waterproof and dustproof functions. Keep it away from extreme temperatures and direct sunlight.
- **Data Security:** Utilize the 'Fanxiang Disk' app for smart management and SecureAccess software for secure storage of important files.



Figure 6: Durability Testing for fanxiang FF520

5. Troubleshooting

If you encounter issues with your fanxiang FF520 SSD, refer to the following common troubleshooting steps:

- **Drive Not Recognized:**
  - Ensure the drive is fully inserted into the USB port.
  - Try a different USB port on your device.
  - Test the drive on another compatible device to rule out device-specific issues.
  - For Windows, check 'Disk Management' to see if the drive is listed but uninitialized or unformatted.
  - For Mac, check 'Disk Utility'.
- **Slow Transfer Speeds:**
  - Ensure you are using a USB 3.0 or 3.2 Gen 2 port on your host device. Connecting to a USB 2.0 port will result in significantly lower speeds.

- Verify that your device's drivers are up to date.
- Large numbers of small files can transfer slower than a single large file of the same total size.

- **Data Corruption:**
  - Always safely eject the drive before removal.
  - Avoid disconnecting the drive during active data transfer.
  - If corruption occurs, you may need to reformat the drive (this will erase all data).
- **Physical Damage:** If the drive has been dropped or physically damaged, contact customer support for assistance.

6. Specifications

Feature	Description
Model Number	FF520
Digital Storage Capacity	512 GB
Hardware Connectivity	USB 3.2 Gen 2 (backward compatible with USB 3.0)
Interfaces	USB-C, USB-A
Read Speed	Up to 560 MB/s
Write Speed	Up to 520 MB/s
Hard Disk Description	Solid State Drive (TLC NAND flash)
Form Factor	Portable
Enclosure Material	Zinc alloy
Special Features	Dual USB Connector, 360° Swivel Design, Waterproof, Dustproof
Compatible Devices	Smartphones, Tablets, Laptops, Gaming Consoles, Car Audio, Smart TVs
Item Weight	28 Grams
Dimensions (L x W x Thickness)	2.9" x 0.67" x 0.38"

7. Warranty and Support

7.1 Warranty Information

The fanxiang FF520 External SSD comes with a **5-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For any questions, technical assistance, or warranty claims, fanxiang provides 24/7 customer service. Please refer to the contact information provided with your product packaging or visit the official fanxiang website for support details.
Additionally, the **"Fanxiang Disk" app** is available for smart management of your drive, offering convenient features for backing up photos, videos, contacts, and other important files. SecureAccess software is also included to help store your data quickly and safely.

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