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UnionSine HD2510

UnionSine HD2510 External Hard Drive User Manual

Model: HD2510

1. INTRODUCTION

This manual provides essential information for the proper use and maintenance of your UnionSine HD2510 External Hard Drive. The HD2510 is a portable, ultra-thin 2.5-inch external hard drive designed for reliable data storage and fast transfers across various devices.





Image 1.1: UnionSine HD2510 External Hard Drive. This image displays the sleek, blue casing of the UnionSine HD2510 external hard drive, highlighting its compact and portable design.

Key features include:

- **Ultra-Thin Design:** Compact and lightweight for easy portability.
- **USB 3.0 Connectivity:** Enables high-speed data transfer.
- **Broad Compatibility:** Works with Windows, Mac, Linux, and Android operating systems, as well as devices like PCs, laptops, PS4, Xbox, and Wii U.
- **Durable Construction:** Features an internal aluminum foil protective layer for heat dissipation and signal interference isolation.



Image 1.2: UnionSine HD2510 Design Features. This image illustrates the design elements of the HD2510, including its mirror-finish logo area, rounded edges for comfortable handling, chamfered edges for a smooth feel, and the barcode on the back.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x UnionSine HD2510 Portable External Hard Drive
- 1 x USB 3.0 Cable
- 1 x User Manual (this document)

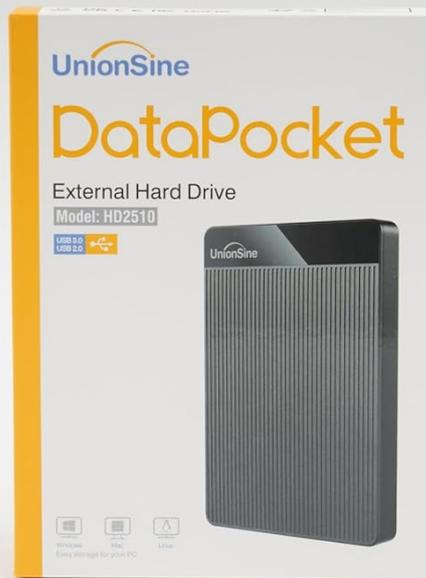


Image 2.1: UnionSine HD2510 Product Packaging. This image shows the front of the product box for the UnionSine DataPocket External Hard Drive, Model HD2510, indicating its USB 3.0 compatibility.

3. SETUP INSTRUCTIONS

The UnionSine HD2510 is designed for plug-and-play functionality, requiring no software installation for initial use.

1. **Connect the USB Cable:** Insert the smaller end of the provided USB 3.0 cable into the port on the UnionSine HD2510.
2. **Connect to Device:** Insert the larger end of the USB 3.0 cable into an available USB port on your computer, laptop, game console, or other compatible device.
3. **Ready for Use:** The drive will be automatically detected by most modern operating systems. It is pre-formatted as ExFAT for broad compatibility with Windows and Mac systems.

Portable hard drive

Broad compatibility

USB 3.0 interface makes
the hard drive available on more devices



Windows



Mac



Linux



Image 3.1: UnionSine HD2510 Broad Compatibility. This image demonstrates the external hard drive connected to a laptop, highlighting its compatibility with Windows, Mac, and Linux operating systems.

4. OPERATING INSTRUCTIONS

4.1 Data Transfer

The HD2510 utilizes USB 3.0 technology for fast data transfers. When connected to a USB 3.0 port, it can achieve theoretical transfer speeds up to 5.0Gbps (625MB/s), which is approximately 10 times faster than USB 2.0. Actual speeds may vary based on your system configuration and the type of data being transferred.

The included USB 3.0 cable features an anti-interference aluminum wrap and a spiral wire mesh protective film to ensure stable read and write speeds (approximately 120MB/s read, 103MB/s write).



Image 4.1: UnionSine HD2510 High-Quality USB Cable. This image focuses on the USB 3.0 cable connecting the hard drive to a laptop, illustrating the cable's robust construction designed for fast and reliable data transfer.

4.2 System Compatibility

The drive is compatible with a wide range of operating systems and devices:

- **Operating Systems:** Windows, Mac, Linux, Android
- **Compatible Devices:** PC, Laptop, Desktop, Wii U, Xbox, PS4, TV

For optimal performance, ensure your device's USB drivers are up to date. Some older devices may require reformatting the drive for full compatibility.

Quiet · low heat · low vibration

Work faster and last longer

Built-in aluminum foil protective layer can help heat dissipation and make the hard drive work more stable



Image 4.2: UnionSine HD2510 Working with Laptop. This image shows the external hard drive connected and in use with a laptop, demonstrating its seamless integration for data management and storage.

5. MAINTENANCE

To ensure the longevity and optimal performance of your UnionSine HD2510 External Hard Drive, follow these maintenance guidelines:

- **Handle with Care:** Avoid dropping or subjecting the drive to strong impacts, as this can damage internal components.
- **Keep Dry:** Protect the drive from moisture and liquids. Do not expose it to rain or humid environments.
- **Temperature Control:** Store and operate the drive within recommended temperature ranges. Avoid extreme heat or cold.
- **Proper Disconnection:** Always safely eject the drive from your operating system before physically disconnecting the USB cable to prevent data corruption.
- **Heat Dissipation:** The drive features an internal aluminum foil protective layer to aid in heat dissipation, contributing to stable operation. Ensure adequate airflow around the drive during extended use.

6. TROUBLESHOOTING

6.1 Drive Not Detected

- Ensure the USB cable is securely connected to both the drive and your device.
- Try connecting to a different USB port on your device.
- Test the drive with a different USB cable if available.
- Restart your computer or device.
- For older devices, consider reformatting the drive if compatibility issues persist.

6.2 Reported Capacity Discrepancy

It is common for the reported capacity of a hard drive to appear slightly lower than the advertised capacity. This is due to different measurement standards used by hard drive manufacturers and operating systems:

- Manufacturers typically define 1GB as 1,000,000,000 bytes (1TB = 1000GB).
- Operating systems often calculate capacity using binary (base 2), where 1GB is 1,073,741,824 bytes (1GB = 1024MB, 1MB = 1024KB).

For example, a 500GB drive (manufacturer's definition) will typically show approximately 465GB when viewed by an operating system.

Approximate Usable Capacity

Advertised Capacity	Approximate Usable Capacity
80GB	~74GB
120GB	~111GB
160GB	~149GB
250GB	~232GB
320GB	~298GB
500GB	~465GB
750GB	~698GB

7. SPECIFICATIONS

Feature	Detail
Brand	UnionSine
Model Number	HD2510
Digital Storage Capacity	500 GB
Hard Disk Form Factor	2.5-inch
Hard Disk Description	Mechanical Hard Disk (HDD)
Hard Drive Interface	USB 2.0/3.0

Feature	Detail
Connectivity Technology	USB
Hard Disk Rotational Speed	5400 RPM
Operating System Compatibility	Windows, Mac, Linux, Android
Hardware Platform Compatibility	Android, Mac/Linux, Windows
Color	Blue
Product Dimensions	29.42 x 20.32 x 3.23 cm (approx. 11.58 x 8.00 x 1.27 inches)
Item Weight	220 g (approx. 0.49 lbs)
Batteries Included	No

Size



Image 7.1: UnionSine HD2510 Dimensions. This image provides a visual representation of the hard drive's size, indicating its length of 4.56 inches, width of 3.15 inches, and thickness of 0.5 inches.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The UnionSine HD2510 External Hard Drive comes with a **3-year limited warranty service**. This warranty covers manufacturing defects and ensures reliable operation under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please refer to the contact information provided on the product packaging or the official UnionSine website.



Image 8.1: UnionSine HD2510 Warranty Information on Packaging. This image displays the side of the product box, highlighting the 3-year warranty and compatibility information for Windows, Mac, and Linux systems.