

RAVPower®

FileHub Wireless SD Flash Card Reader / USB Storage Media Sharing/ NAS File Server/ Power Bank/ Wi-Fi Hot Spot

Model:RP-WD01



Reliable · Affordable · Value

www.ravpower.com

RAVPower®

Website: www.ravpower.com  
Facebook: www.facebook.com/RAVPower  
Tel: 1-888-456-8468#3  
Phone Hour: 8:00am – 5:00pm PT, Monday – Friday  
Address: 2228 Junction Ave, San Jose, CA 95131  
Email: support@ravpower.com

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1. Introduction

Thank you for purchasing the RAVPower® RP-WD01 FileHub! The 5-in-1 Design RP-WD01 FileHub is a Wireless SD Flash Card Reader, an USB Storage Media Sharing Device, a NAS File Server, a Wi-Fi Hot Spot and a 3000mAh Power Bank.It's a perfect item to add more storage to an iOS or Android devices.

1.1 Key Features

• Wireless SD Flash Card Reader & USB Storage Media Sharing Device

- Enables you to read the data on an SD card or External USB HDD/SDD from your iPhone, iPad, Smartphone, tablet or computer with Wi-Fi connectivity (802.11 b/g/n).

- Two-way data transmission between the RP-WD01 and your iPhone, iPad, Smartphone, tablet or computer with Wi-Fi connectivity (802.11 b/g/n).

- Available iOS and Android mobile Apps on Google Play Store and Apple iTunes Store with a search utility function to find and locate specific data files.

- Supports email for sending pictures or sharing them with your friends on Facebook.

• NAS File Server(Web Interface)

- Available when you enter the IP address "10.10.10.254" into the browser to read and transfer the data on your external storage devices via the FileHub.

- Any APP with an NAS function can setup to read the data on your external storage devices via the FileHub.

• 3000mAh Power Bank / External battery Charger

- Backup battery for emergency charging. Provides at least one full charge for most mobile phones.

- Supplies the power needed while being used as a Wi-Fi SD Card / USB External HDD Reader

• Portable Wi-Fi Hot Spot

Bypass the Internet to your existing Wi-Fi router, so you may access any data on your SD or HDD while simultaneously surfing the Internet.

• Share Data with Friends & Family

Allow up to 5 connections at the same time for data sharing, or connecting to the Internet.

• Light weight and Slim Design

Lightweight and multifunctional design makes the RP-WD01 much more portable.

1.2 Application Diagram

Wirelessly Bridge to Internet Access



2. Preview

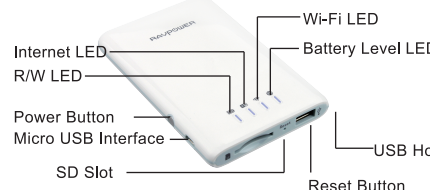
2.1 What's in the box?

• 1 x 5-in-1 Wireless Media Streaming FileHub

• 1 x User Manual

• 1 x USB Cable

2.2 Product Diagram



Micro USB Interface:

The micro USB 2.0 Interface can connect to the computer to transmit and charge the device.

**Power Button:** Power on and off.

**SD Slot:** Insert the SD card for Wi-Fi access.

**Reset Button:** Set the device to the default factory configuration.

**USB Host:** Connect the USB memory card/ stick, external USB potable hard disk for Wi-Fi access, or connect a Smartphone or mobile device to charge.

LED Indicators:

• Battery Level LED:

|                                      |                                              |
|--------------------------------------|----------------------------------------------|
| Green Steady Light                   | Battery power is Full                        |
| Red Steady Light                     | Battery power is < 30%                       |
| Red Fast Flash                       | Battery power is low and will soon shut down |
| Green Slow Flash (every 2 seconds)   | Battery is charging                          |
| Green Slow Flash (every 1.5 seconds) | Device is powered off                        |

• Wi-Fi LED:

The blue LED shows the system initiation state. It begins flashing during the initiation and stops flashing when the system initiation is complete.

• Internet LED:

|                    |                               |
|--------------------|-------------------------------|
| Green Steady Light | The Wi-Fi signal is good      |
| No Light           | Not connected to the Internet |

• R/W LED:

|                  |                     |                                               |
|------------------|---------------------|-----------------------------------------------|
| On FileHub mode  | Blue Steady Light   | Memory connection is successful               |
|                  | Blue Flashing Light | Memory is reading or writing                  |
| Card reader mode | Blue Steady Light   | Memory is reading or writing                  |
|                  | Blue Flashing Light | Connected to USB2.0 and is reading or writing |

2.3 How to Charge your FileHub

Connect the USB to the micro-USB cable to a/an: 1) AC adapter\*, 2) PC USB Port, or 3) car charger USB Port, connect the Micro-USB end to the input port of your Power Bank.

\* An AC adapter is not included. If you want the power bank to charge faster, then please use an AC

adapter with 1A/2.1A output instead of a PC USB port, which only delivers a 500mAh output.

2.4 Use the FileHub to Charge your Mobile Device

- Connect the enclosed USB cable to the micro charging cable on the RP-WD01 port, and the Micro USB port to your mobile device (if you Mobile devices does not have a Micro USB port then please use the original charging cables to charge). The RP-WD01 will start charging your connected device automatically.

- When your device is fully charged, the RP-WD01 will automatically stop charging the battery to avoid the risk of overcharging. Or, if you disconnect the device during the charging process, the RP-WD01 will wait for about 3 seconds and then shut down the output circuit and move into a power saving mode. If you want to charge it again, simply reconnect the device.

3. How to Use FileHub

3.1Wireless Media Streaming

3.1.1 For PC/Laptop Clients (Windows & Mac OS System)

Step 1:

Download the Software "RAV FileHub".

- Download the software from http://ww-

w.ravpower.com/downloadsRRP-WD01

- Create a shortcut icon for the software on your main screen.

Step 2:

Connect to the FileHub

- Turn the FileHub on: press and hold the power button for about 3 seconds.

- Locate the new wireless connection named FileHub-XXXX (default network name). Connect your device to the FileHub using the default password "11111111" (8 x 1s).

Step 3:

Log into the operation interface

- Double Click the Icon login, or Input the IP address "10.10.10.254" on your browser to enter into the Login screen (User Name: admin and leave the Password blank).

Step 4:

Data Stream and Transfer.

- Insert the SD card or connect the USB External Storage Devices into the FileHub.

- There are many icons at the top of the interface. Choose the files you want to open, and use the file manager icon to upload / create new folder / copy / transfer / download / delete / view.

Step 5:

Data Sharing.

- Download the software "RAV FileHub" on your PC/Laptop. Connect to the FileHub

(follow the instructions above), and you can now have up to 5 users sharing the external storage data.

Step 6:

Portable WLAN hotspots

- Click "Setting" on the GUI Menu.

- Choose "Network" – "Internet" to setup the Wireless access.

- Scan all visible wireless networks and choose your Wi-Fi router to join in.

3.1.2 For smart phone / Tablet clients (Android & ios system)

Step1:

Download the "RAV FileHub" From the Google Play Store or iTunes Store.

Step2:

Connect to the FileHub

- Turn on the FileHub: Long press the power button for about 3 seconds

- Find a new wireless connection named "FileHub-XXXX" (default network name). Connect your device to FileHub using default password "11111111" (8 x 1s).

Step 3:

Data Stream and Transfer.

- Insert the SD card or connect the USB External Storage Devices into FileHub.

- Click the App and enter into the operation interface.

- You will find your SD card or USB Stick folder on " My FileHub"

- Streaming: Choose the pictures, music and videos you like to view via the FileHub with just a single click.

- Transferring: Click "Manage" on the top of the APP, choose the files you want to transfer and click "Download" on the bottom of the APP to transfer to "My Device"

- Delete: Click "Manage" on the top of the

APP and choose the files you want to delete. Click "Delete" on the bottom of the APP to delete the files.

Step 4:

Data Sharing.

- Connect the Wi-Fi to the FileHub and with the "RAV FileHub", you can use up to five devices to stream data on your external storage devices.

Step 5:

Portable WLAN hotspots

- Click "Setting" on the top of the App.

- Scan all visible wireless networks and choose the Wi-Fi router to join. Now you can access all the data on your external storage devices and simultaneously surf on the Internet.

3.2 NAS File Server (Web Interface)

Step 1:

Attaching your external USB storage device:

You can attach a USB flash disk, USB HDD, USB card reader as your NAS. However, attaching a cell-phone or tablet to use as a USB storage device will not work.

1. Ensure your FileHub is OFF.

2. Connect a USB flash disk or USB HDD to the USB port.

3. Press and hold your FileHub for about 3 seconds to turn it on.

App Preview:

The mobile "RAV FileHub" provides some advanced functions for your FileHub.

• Access and manage files from the USB storage already attached to your FileHub

• Manage your network settings, including enabling the Internet through your FileHub

• Transfer files between mobile devices and the attached USB storage

**Note:** Up to 5 mobile devices can simultaneously connect to your FileHub at any time.

Step 2:

Connect the FileHub's Wi-Fi to your devices (phones, tablets, laptops, etc.)

Step 3:

Use a browser or App with a NAS server function to access the data on your external storage devices

Browser

- Enter the IP address "10.10.10.254" to log into the GUI screen.

- The default username is "admin" and with blank password to enter. (Same as the operation of the windows system on Page 7)

App with NAS Server Function

1. ES File Explorer (Android Devices).

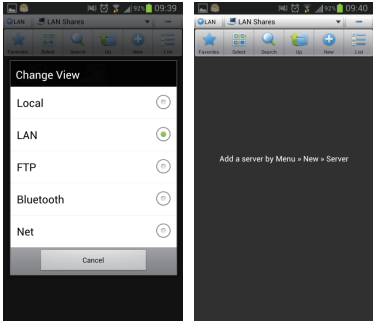
Step 1:

Connect the Wi-Fi from the FileHub

Step 2:

Open the App and Choose "Lan"to add the

Server. (Input the Server IP.Display name.User name, leave password blank and save it.)



Change New

Local

LAN

FTP

Bluetooth

Net

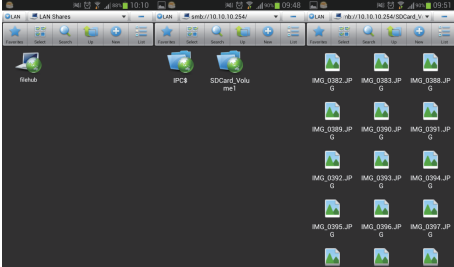
Server IP (10.10.10.254)

User Name (admin)

Display Name (Filehub)

Step 3:

You will find your files on your External Storage Devices.



2.Oplayer HD / Good Player (iOS system, support other video formats including Avi.Mkv.etc.)

Step 1:

Connect the FileHub's Wi-Fi

Step 2:

Download the Instructions with screenshots at http://www.ravpower.com/download

3.3 Power Bank (3000mAh Stable and Safe Li-Polymer Battery Cells)

Charge Your Mobile Device

1.Connect the FileHub to your mobile device via your own USB cable.

2.It should start charging automatically.

3.Press the power button once to check the remaining battery level.

How long does it take to fully charge the FileHub RP-WD01?

| Model   | Input   | PC/IO 5A Output Wall Charger | 1A Output Charger | 1.5A Output Charger |
|---------|---------|------------------------------|-------------------|---------------------|
| FileHub | 5V/1.5A | Approx. 6 hrs                | Approx. 3.5 hrs   | Approx. 2.5 hrs     |

4. Specifications

4.1 Hardware:

|                          |                                                                              |
|--------------------------|------------------------------------------------------------------------------|
| Name                     | FileHub Wireless Media Streaming hub with Power Bank                         |
| Model                    | RP-WD01                                                                      |
| CPU                      | Model: Ralink RT5350<br>Frequency: MIPS24KEc 350MHz                          |
| Flash                    | Model: EN25Q64-104WP<br>Capacity: 64MByte SPI flash<br>Standard: 802.11b/g/n |
| Wi-Fi                    | Frequency: 2.4 GHz<br>Speed: 72 Mbps at 20MHz<br>120 Mbps at 40MHz           |
| Antenna                  | Signal strength: 2dBi (Wi-Fi component)<br>14dBi (Main chip)                 |
| Battery                  | Capacity: 3000 mAh<br>Max Input: 1.5A (support 0.5A,0.8A&1.5A Input)         |
| Power Consumption        | Output: 1A<br>Stand-by(HDD sleep Mode): 2W<br>1.5W                           |
| SD Card Read/Write Speed | Read: 3 MB / S<br>Write: 3 MB/S                                              |
| USB Interface            | Micro USB 2.0 for data transfer and charging                                 |

Environmental requirements

•Operating Temperature: 5°C to 40°C  
•Storage Temperature: 0°C to 60°C  
•Operating Humidity: 5%~90%(Non-condensing)  
•Storage Humidity: 5%~90%(Non-condensing)

Product Dimension

118mm x 77mm x13mm (LxWxH)

Weight:

124g

Emission (EMI), Safety & Other Certifications

•FCC Class B  
•CE  
•CEC

4.2 Software:

|                       |                                 |                                                                                                                                                                    |
|-----------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| System Setting        | Language                        | To select your native languages                                                                                                                                    |
|                       | Firmware upgrade                | To upgrade firmware by web browser                                                                                                                                 |
| Configuration setting | Configuration setting           | To backup and retrieve system configuration setting                                                                                                                |
|                       | Factory default setting restore | To restore default system setting originated in factory production                                                                                                 |
| File System           | NTFS                            | A> Support Microsoft Windows NTFS file system<br>B> Application tools:<br>• NTFS-3G tool for mounting file system<br>• NTFS file system inspection and repair tool |
|                       | FAT16/ FAT32/exFAT              | A> Support Microsoft Windows FAT16 / FAT32 / exFAT file system<br>B> Application tools:<br>FAT file system inspection and repair tool                              |

File Service

CIFS protocol

Provide shared services to files and printers for clients on Microsoft Windows Network

Samba service

Provide shared services to files and printers for clients on Microsoft Windows Network and Unix-Like Network.

HTTP(S) service

IOOS

A built-in browser which support common operation system such as Windows, Linux, Mac OS and smart terminal for easy management

WebDAV protocol

Makes the Web a readable and writable medium which allows users to edit and manage documents stored on Worldwide Web servers

Access control

Password protection

A> Wi-Fi access control:  
• WEP  
• WPA  
• WPA2  
B> WEB access control:  
• Password Login  
C> Samba access control  
• Password Login  
Default security:  
A> Authentication needed with blank password  
B> No authentication

Network Management

Wi-Fi Setting

A> Wi-Fi login history cache  
B> Wi-Fi auto login  
C> Available wireless networks display  
A> FileHub IP setting  
B> Subnet mask setting  
C> DHCP server setting  
D> Default gateway setting  
E> Default DNS setting

LAN side setting

4.3 Minimum Hardware Requirements & Formats support

Hardware Requirement:

| Internet Connection                     |                                                                                                                                  |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| PC Operating System                     | Windows XP/Vista/Windows 7                                                                                                       |
| System Requirements                     | Mac: OS X 10.5.0 and higher version<br>Others: Fedora 12 (Linux) and higher                                                      |
| Smart Phone & Tablet System Requirement | iOS iOS 4.0 and higher version<br>Android Android 2.2 and higher version                                                         |
| PC Web Browser Requirement              | Windows Internet Explorer 7.0 and higher version<br>Mac: Safari 3.0 and higher version<br>Others: Firefox 3.5 and higher version |
| Router or Switch                        |                                                                                                                                  |

Format support:

|                |                                                                                                                                                                                                                                                                                                                                               |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Android System | A)Audio: MP3, AAC, m4a, wav, aiff<br>B)Video: MP4, MOV, m4v, avi<br>C)Photo: jpg, tiff, bmp, gif(image)<br>D)Document: keynote, numbers, page, excel, word, pdf, txt, ppt<br>Note: Other file format cannot be supported by third applet, however, it can be solved by the third part media player like Oplayer, good player, ACE player etc. |
| iOS System     | A)Audio: MP3 ,<br>B)Video: MP4<br>C)Photo: jpg, png<br>Note: other file formats support is based on the android product OS performance and third applet.                                                                                                                                                                                      |

5. Common Troubleshooting

How do I reset my FileHub back to the original factory setting?

1. Make sure your FileHub has at least 50% power left.

2. Using a needle or a toothpick to press reset button (beside the USB port) for 30 seconds until the third WiFi LED light start to flash.

3. OR, you can find the "restore to factory default

setting" in router admin system (10.10.10.254) Setting → System → Reset Setting

How do I upgrade the firmware?

This can be done by going into router admin system (10.10.10.254)

Setting → System → Firmware Upgrade.

However, it's always recommended that you contact us before doing the upgrade.

What capacities are available?

Currently the RP-WD01 Wi-Fi Disk is available with 2.5 TB of USB HDD space and the thickness can only be up to 9.5mm, 128G for the SD Card (support both SDXC & SDHC memory card. The SDHC card can up to 128G and the SDXC can up to 64G).

Can the RP-WD01 stream multiple devices at the same time (SD memory card and USB external storage devices?)

Yes, When you insert the SD card and the USB external storage devices in to the RP-WD01, you can find both devices on the "RAV FileHub".

Can the RP-WD01 be used on a smart phone which does not use the Android iOS System (For Example: the Kindle Fire)?

• Use the browser and input "10.10.10.254" to enter

the login screen.

• Install the APP from your computer.

- Download the "RAV FileHub" from our website and save it to your computer.

- Transfer the file to your smart phone via any cloud service or cloud drive your phone supports.

- On your phone settings, go to device and make sure you allow third party app installations.

- Use the file explore and locate the file you just downloaded. It is usually saved in your Download folder.

- Run the software "RAV FileHub" and it will install automatically.

Why can't some of my files cannot be played on the iPad/iPhone/iTouch, like AVI and mmbv?

RP-WD01 can read any file on the memory card. It is up to the device being used to properly render the file's contents. Videos in formats that are compatible with iPad/iPhone/iPod Touch can be streamed using the "RAV FileHub" app or the Safari browser (Such as MP4). Unsupported video formats can be played back using a third-party media player of your choice (Suggest "Oplayer" "CineXPlayer" ).

Why I can find my Hard drive on "AirStor"?

-Please make sure you have connected the WiFi of the FileHub.

-RAVPower FileHub only supports DOS / Windows format hard drive.

Where Can I find more help?

• For help with the "RAV FileHub" APP or software, please go to: http://www.ravpower.com/download

• For help with FileHub setup and admin system: Please login to admin system (10.10.10.254) then go to the "Help" tab

• Please contact us at support@ravpower.com for extra help and trouble shooting

6. Caution:

• Keep away from high temperature, moisture and corrosive substances.

• Please do not use this product near water (for example, in a wet basement or near a swimming pool).

• This is not a toy, please keep away from children.

• During charging, discharging and extended operation hours, the router will get slightly hotter than usual. This is completely normal.

7. Warranty:

The RP-WD01 FileHub offers a one-year limited product warranty by RAVPower Customer Care team. If your device does not charge, please first check whether the cable is connected tightly. Also, please check whether your power bank is out of power and needs to be recharged. If you cannot enter into the login screen or find your external storage devices, please check to make sure your device is connected to the Wi-Fi created by the RP-WD01. For more information and detailed setup instructions, please download the files from our website at www.ravpower.com. If you still can't solve the problem, please contact us at support@ravpower.com.

8. Service and Support:

If you have any questions or to inquire about our products or services, please feel free to contact our support team via any of the following methods. Our friendly service team will be more than happy to assist you.

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