3G WIFI ROUTER/POWERBANK
Quick Guide

The factory default password WIFI connection: 12345678
Initial Account: admin DEFAULT password: admin Ports: 21
3GWi-Fi is one Power bank and mobile 3G wifi router 4 in 1 machine, it is a kind of consumer network products. Such product enjoys many functions such as 3G router, wireless router, ADSL dial-up networking, wireless network storage, and movable power bank so that you can enjoy wireless network at any time and any place and share the wonderful contents stored in the digital devices. Such product has the following functions:

3G router: Supporting WCDMA / CDMA 2000 / TD-SCDMA system’s 3G wireless network card dial-up and bandwidth sharing;

Wireless router: Supporting traditional cable broadband network such as ADSL dial-up, dynamic cable network and static cable network access;

Wireless network storage: Supporting U-disk and USB portable hard disk file reading and sharing as well as online play;

Movable power bank: Able to charge movable digital devices such as iPhone, iPad, Android smartphone, and panel computer.

1. Parts List

Thank you for purchasing power bank and 3GWi-Fi Mobile Power 3G Router machine. Please be sure your package contains the following parts:

1. Mainframe
2. USB charging cable
3. Quick installation guide/warranty card
2. Panel

2.1 Description of Hardware Interface

<table>
<thead>
<tr>
<th>Hardware Interface</th>
<th>Mark</th>
<th>Detailed Description of Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power switch</td>
<td>R</td>
<td>Starting up: The switch can be used to start the router in this tap position.</td>
</tr>
<tr>
<td></td>
<td>C</td>
<td>Charging: The switch can be used to turn on the movable power bank in this tap position and charge peripherals through USB interface.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Shutdown: The switch can be used to disable all functions of the machine in this tap position.</td>
</tr>
<tr>
<td>Battery indicator button</td>
<td></td>
<td>Press this button and the battery indicator will display the current electric quantity of the battery. The electric quantity has 4 levels.</td>
</tr>
<tr>
<td>USB Port</td>
<td></td>
<td>This interface can be used to connect 3G USB network cards of WCDMA, EVDO/CDMA2000 and TDSCDMA systems, U-disk, USB portable hard disk, or digital terminals such as smart phone, panel computer and PSP for battery charging.</td>
</tr>
<tr>
<td>Action</td>
<td>Indicator Status</td>
<td>Detailed Description</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>-------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Staring up</strong></td>
<td>The blue lamp is normally on.</td>
<td>Pull the power key to the position of “Starting up”. When the blue lamp is normally on, it indicates that the machine is normally started up.</td>
</tr>
<tr>
<td><strong>Insertion of movable storage device</strong></td>
<td>The blue lamp flashes slowly (flash once every 1.5s)</td>
<td>Insert U-disk, portable hard disk, and other movable storage device into USB interface. Normally, the blue lamp will be seen flashing slowly after 8 to 10 seconds. This indicates that the movable storage device downloads normally.</td>
</tr>
<tr>
<td><strong>Insertion of 3G network card</strong></td>
<td>The blue lamp is normally on.</td>
<td>The movable storage device fails to load successfully.</td>
</tr>
<tr>
<td><strong>Insertion of 3G network card</strong></td>
<td>The blue lamp flashes quickly (flash once every 0.5s)</td>
<td>Insert the 3G USB network card and wait for around 30 seconds. The blue lamp can be seen flashing quickly (flash once every 0.5s).This indicates that 3G dialing state has been entered.</td>
</tr>
<tr>
<td><strong>Insertion of ADSL cable</strong></td>
<td>The blue lamp flashes slowly (flash once every 1.5s)</td>
<td>The blue lamp flashes slowly (flash once every 1.5s). This indicates that the router 3G dial-up is successful and the internet can be accessed.</td>
</tr>
<tr>
<td><strong>Insertion of ADSL cable</strong></td>
<td>The blue lamp is normally on.</td>
<td>Dial-up is not successful.</td>
</tr>
<tr>
<td><strong>Insertion of router cable</strong></td>
<td>The green lamp is normally on.</td>
<td>If the green lamp is seen normally on 5s after the cable is inserted. This indicates that the connection of the cable is normal.</td>
</tr>
<tr>
<td><strong>Insertion of router cable</strong></td>
<td>The blue lamp flashes slowly (flash once every 1.5s)</td>
<td>If the green lamp is seen flashing slowly a while after the green lamp is normally on, it indicates that router ADSL dial-up is successful and the Internet can be accessed.</td>
</tr>
<tr>
<td><strong>Insertion of router cable</strong></td>
<td>The green lamp is normally on.</td>
<td>It indicates that the connection of the cable is normal.</td>
</tr>
<tr>
<td><strong>Insertion of router cable</strong></td>
<td>The green lamp flashes slowly (flash once every 1.5s)</td>
<td>It indicates that the connection of the cable is normal and that the router has successfully get back the assigned</td>
</tr>
</tbody>
</table>
4. Function of movable power bank: This guide describes how to charge digital products such as mobile phone and panel computer.

Step 1: View of battery power

Before charging the digital products such as mobile phone and panel computer, please first check the battery power of the equipment.

a) Press the power capacity indication button and the battery level indicator lights. The current battery percentage can be viewed. After 4 seconds, the indicator goes out to save power automatically.

![Battery level lights](image)

(View of battery power)

(View of Battery Power)

Step 2: Charge the digital products such as mobile phone and panel computer.

Please pull the switch to the position of “Battery Charge” (“C”). The functions of movable power bank can thus be enabled. Then connect the charge cable of the digital products to the USB interface of such machine. At this time, it will charge the mobile digital equipment such as iPad, iPhone and Android smartphone.
Prompt: Please use the charge cable provided with the mobile phone/devices so that the best charge effects can be achieved.

5. Battery Charge

When the battery of such product is about to run out, we can charge it through the following two methods:

Charger by power supply: Connect one end of the Micro USB charge cable to the DC charge coupler of this product (Micro USB interface) and the other end to the USB interface of the power adapter.

Charge by computer’s USB port: Connect one end of the Micro USB charge cable to the DC charge coupler of this product (Micro USB interface). Then connect the another end of the charge cable to the USB interface of the computer to charge this machine.

Precautions for charge:

1. Please use the power adapter of DC 5V (with the output current of between 600mA and 1000mA). Common iPhone and iPad power adapters can also be used.

2. Charging period: Charge for about 5 to 8 hours if 5V 1000mA charge connector is used
Charge for about 11 hours if 5V 600mA charge connector is used
Charge for more than 12 hours if computer USB is used for charge directly

3. When such machine is being charged, do not charge other equipment with such machine in order to protect the battery and prolong the life of the battery.

6. Function and Configuration of 3GWi-Fi Wireless Router

3GWi-Fi router can be accessed and configured through web browser. We can log in to the router through common IE of Microsoft, Safari of Apple Inc and built-in browser of Android operating system, to browse the contents of movable storage device and parameters of the routers. Below is the introduction of its operation.

6.1 Wireless Client Device needs to be connected to the Wireless Router First (Take iPad for Example)

Step 1: Open the main interface of iPad and select “Settings” and then “WLAN” to enter the Wi-Fi settings page. Turn on the wireless switch. The iPad will then automatically scan the surrounding wireless network. Find router of SSID named “3GWi-Fi xxxx”. Double click for connection.

Step 2: During connection, please enter the Wi-Fi password according to the back of the router shell for connection (the password can be changed).

Upon a successful connection, a small tick "✓" will appear on the left of router’s name. At the same time, a sign icon ![Pad Wi-Fi](image) will appear on the top left corner of the screen, which indicates successful connection. If prompt is given that the network can not be joined, please confirm whether your wireless password has been entered correctly.

Step 3: View and set network parameters. Click the “>” button on the right of connected wireless router. Then, the parameter setting page of wireless network pops up (the router starts the DHCP server by defaults and recommends the use of DHCP).

6.2 Enter the Configuration Interface of 3GWi-Fi Router

Click the Safari browser and enter “http://192.168.169.1” in the address bar. Click the “Go” button and the home page of router configuration can be accessed. See the figure below:

![Configuration Interface](image)

Besides, for users of ios equipment such as iPhone and iPad, there are quicker ways to enter the router configuration page. We can enter the two characters “wd” in the address bar of the Safari browser. Then click “Go” and the configuration page can be entered.
6.3 Home Page of Configuration Interface of Router: Function Description of Common Operating Interface

![3G Wi-Fi Router Interface]

The first row of icons:

- ![3G Icon] - When this icon is clicked, the configuration page of 3G can be entered.
- ![Multimedia Icon] - When this icon is clicked, multimedia files stored in the movable storage devices can be browsed and played.
- ![Security Icon] - When this icon is clicked, the security settings interface of wifi can be entered to finish the change of wifi password.
- ![Advanced Settings Icon] - When this icon is clicked, the advanced settings interface of the router can be entered to realize more functions settings of the router such as firmware upgrades and status view.

The second rows of icons:

- ![DHCP Icon] - Click this icon and the setting interface of dynamic IP networking will pop up at the bottom of
the page. If you now get access to internet through cable (such method is often used in hotels) and the IP address is assigned by the router at the upper level, please click “Ok” to finish the settings. Otherwise, click “Cancel”.

: Click this icon and the setting interface of PPPoE dial-up networking will pop up at the bottom of the page. If you now get access to internet through cable or telephone dialing, please first enter the user name and password of PPPoE dial-up. Then click “OK” to finish the settings. Otherwise, click “Cancel”.

: Click this icon and the setting interface of static IP networking will pop up at the bottom of the page. If you now get access to internet through cable and the IP address is assigned manually, please enter the IP address, mask code, gateway and address of DNS domain name respectively into each column. Then click “Ok” to finish the settings. Otherwise, click “Cancel”.

6.4 Change of Wi-Fi Password
The wifi password of factory setting of router is simple. Remember to change the password of wifi during first use of this product to ensure the security of the data, because the initial password is simple.

Method:
Click the “Wifi security” icon to enter the wifi security settings page.

<table>
<thead>
<tr>
<th>Wireless Security/Encryption Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setup the wireless security and encryption to prevent from unauthorized access and monitoring.</td>
</tr>
</tbody>
</table>

**3GWi-Fi_4674**

- **Security Mode**: WPAPSK/WPA2PSK

**WPA**

- **WPA Algorithms**: TKIP, AES, TKIP-AES
- **Pass Phrase**: 12345678
- **Key Renewal Interval**: 3600 seconds (0 ~ 4194303)

Prompt:

a) In order to ensure your wireless network will not be accessed by unauthorized person, it is suggested that wireless encryption be set. The recommended encryption method is WPA-PSK/WPA2-PSK.

b) After wireless network SSID and encryption settings, please reconnect the router. The Wifi password
is the newly set one.

6.5 Setting of 3G Network Parameter

When the user inserts the 3G usb dongle into the USB interface of the router, the router will automatically begin dialing up progress.

During 3G dial-up, some configuration information needs to be invoked. Please configure such information in 3G configuration page before the 3G wireless network card is inserted.

Click “3G” icon to enter the 3G setting interface. During dial-up settings, select the dial mode. Enter the dial parameters provided by 3G ISP and click “OK”. The default mode is automatic identification model, i.e. plug and play and does not need to be changed.

Normally, if SIM card in the 3G usb dongle is provided by ISP of Chinese mainland, so it is not necessary to change settings in the 3G configuration page. See the figure below:

![3G Network Interface Settings](image)

The default dial parameter of such machine only applies to the 3G operators in Chinese mainland. For Hong Kong, Taiwan and other countries, the parameters provided by the local ISP will prevail. Therefore, users not from Chinese mainland need to set the dial parameters on the 3G setting interface from “default” to “user-defined”. Then they should, on the displayed setting interface, continue to fill out information such as the dial number, APN user name and password provided by the local ISP, and finally click “Ok” to finish the settings. See the figure below:

In general, the user only needs to select “Auto Detect” as the model of USB 3G dongle on the interface shown in the figure above, to automatically set information such as dial number, APN user name and password. In this way, you only need to connect the 3G network card and USB interface of router to finish 3G dial-up.

Note:
We can not rule out the possibility that: the types of 3G usb network cards able to be supported currently might not be able to be supported by such equipment in the future due to the manufacturers' adjustment of the internal parameters of the products.

6.6. Setting of Wired Broad Band Network Parameters

Under the wired to WiFi mode, 3GWIFI is equal to a wireless router and the Ethernet interface serves as the WAN interface. All the wireless terminals can only be connected to the router through WIFI.

Click “Network Settings” and then “WAN”. Determine the networking ways according to the broadband line at the front end. The router supports three common kinds of wired networking modes, i.e. static IP, dynamic IP and PPPoE.

a) Static IP

If the internet accessing method offered by the network provider is static IP, you need enter the IP address, subnet mask, gateway, as well as IP address of the primary DNS server and the IP address of the secondary DNS server.

<table>
<thead>
<tr>
<th>Static Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Address</td>
</tr>
<tr>
<td>Subnet Mask</td>
</tr>
<tr>
<td>Default Gateway</td>
</tr>
<tr>
<td>Primary DNS Server</td>
</tr>
<tr>
<td>Secondary DNS Server</td>
</tr>
</tbody>
</table>

b) Dynamic IP

If the internet accessing method offered by the network provider is dynamic IP, you do not need to set anything. Just click “Ok”. Dynamic IP is common networking method adopted by public places such as guesthouses and hotels.

<table>
<thead>
<tr>
<th>DHCP Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>IP Address</td>
</tr>
<tr>
<td>Subnet Mask</td>
</tr>
<tr>
<td>Default Gateway</td>
</tr>
<tr>
<td>Primary DNS Server</td>
</tr>
<tr>
<td>Secondary DNS Server</td>
</tr>
<tr>
<td>Hostname (optional)</td>
</tr>
</tbody>
</table>

Apply | Cancel


c) PPPoE

If you get access to internet through “ADSL dialing mode”, you only need to enter the account information provided by the ISP for you in the input boxes of “User Name” and “Password”. After settings are finished, click “Ok”.

- 11 -
6.7 Basic Setting of wifi Wireless Network

Click the menu bar on the left, “Wireless Network Setting”, and then “Basic Setting”. You can then perform basic wireless network setting such as network model, SSID and wireless channel.

6.8 Firmware Upgrades of Wireless Router

Routers support firmware upgrades through browser. By upgrading firmware, you enable the products to get new application functions.

The firmware can be upgraded through the following two methods:

1) Firmware upgrades through LAN

Upgrade of firmware through this method can only be realized on Windows PC and laptop. The operating steps are as follows:

   Firstly, please connect your Windows PC or laptop to 3GWi-fi router via wireless interface,
   Next, Click “Browse”button. Search the name of firmware to be upgraded in the popped file selection dialog box. After it is found, click “Ok” to start the upgrade.
2) Firmware upgrades through USB storage device (U disk or SD card)
Log into the route through browser (the browser of PC, smartphone or panel computer can be used). Select “System Management” and then “Firmware Upgrade” in the left menu and then insert the U disk/TF containing the file to be upgraded into the router interface. At this time, click the button “scan” on the operation interface, select the file to be upgraded from the drop down box, and finally click “Ok”.

Note:
In the process of upgrading, the operating lights of the router will flash fast constantly. When they are flashing, try not to turn off the power of router until the operating lights of the router go out. When the upgrading of router is finished, the router will be restarted. At this time, your wireless devices might need to manually search such equipment again and try connecting again.

See the figure below for the specific process:

7. Restore Factory Settings of Wireless Router

After we change some parameters of the router, some usage problems might arise. For example, we have changed the wifi password of the router. However, after a period of time, we forget the password. As a result, we are not able to enter the password when the connection router of terminal equipment gives prompts. In such case, please manually restore the factory defaults of parameters of the wireless router. The specific operating steps are as follows:

Insert small needle into the hole indicated by the arrow, when it touches the switch inside the hole, press it hardly for 5 seconds before releasing it, then the blue indicator light will flash, which indicates that factory settings are restored successfully.
8. Wireless Network Storage Function: How Terminal Equipment Including iPad Access U Disk or Portable Hard Disk

3GWi-Fi provides a USB interface for connection with U disk or portable hard disk/card reader as well as supports the shared access to the contents of such storage devices through wireless methods. Official and third-party streaming media software can be used to play, upgrade and download the shared files in the USB storage device, such as WDplayer, Goodplayer, OPlayerHD, and TIOD Aceplayer.

The router provides three methods to access U disk, portable hard disk and other kinds of storage devices. The operating steps of wireless storage access are as follows:

8.1 Streaming Media Online Play

Step 1: Insert the USB storage devices such as U disk and portable hard disk into the USB interface of the router.

Step 2: Turn on the power of the router to start the router. Observe the blue LED status indicator of the router.

Step 3: Open the Wi-Fi setting page of ipad, select SSID of 3GWi-Fi equipment, and realize wireless network connection (refer to the last section).

Step 4: Click the Safari browser and enter in the address bar "http://192.168.169.1" or "wd". Click the "Go" button. Then click the icon "Multimedia Browse" and the browse page of file in the movable storage device of the router. Here you can get quick access to the files stored in the U disk or portable hard disk such as pictures, videos and music.

![Network Attached Storage - Files List](image)

storage 1, storage 2, etc are the names of shared folders in the U disk and portable hard disk.

8.2 ios client Application

The ios client application develop for 3GWi-Fi router is available on app store.

The following sections describe how to use iPad to share the files in the router FTP server.

WDPlayer is not only a local media player, but also a combination of "video player, download
manager and streaming media player”. As long as the shared media files are transmitted to iOS equipment through Wi-Fi, they can be played immediately.

Step 1: Enter “App Store”, search “WDPlayer” program, as well as download and install it.

![WDPlayer App](image)

Step 2: Open WDPlayer, this application start to look for 3GWi-Fi device.

WDPlayer find the 3GWi-Fi device:

Step 3: Click the “Wireless Drive” blank, it will list the share content.

Prompt: If the 3GWi-Fi device enter the low battery capacity status (capacity less than 10%), the application will disable wireless storage share function. See the figure below:

Please insert the Micro-USB charge cable to this device, and charge it.

10. How Windows PC/Laptop Accesses U Disk or Portable Hard Disc via Wifi

First, please confirm that your computer has been connected to the “3GWi-fi” wireless router through wireless network.

Then, double click the icon “My Computer” on the computer desktop. Enter “\192.168.169.1” in the address bar and press Enter key. You will see the following password hint interface.

At this time, please enter user name and password (Note: both the user name and password are “admin” by default).

After “Ok” is pressed, the contents to be shared will appear. See the figure below.