

User Guide

AIRSPPEED
(((MOBILE HOTSPOT)))



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Getting Started

Meet your Airspeed Mobile Hotspot

Familiarize yourself with the various screens, icons, and buttons to use your device.



Setting Up Your Mobile Hotspot

The Airspeed Mobile Hotspot includes a SIM card in the device.

Inserting a new SIM

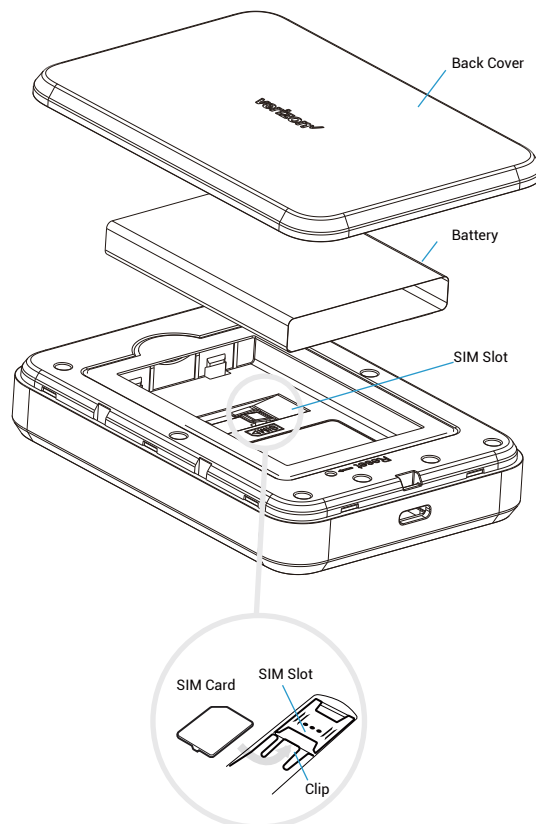
1. Remove the back cover and take the battery out.
2. Locate the SIM card slot. Hold SIM so that the cut corner is at the top and gold contacts are facing downward. Insert SIM by pressing down on the clip and sliding into the SIM slot.

Warning: To avoid any damage to your device, only use the standard Nano-SIM card provided.



Re-insert the battery

1. Align the battery contacts with the terminal in the battery compartment. Push the battery down until it clicks into place.
2. Replace the battery cover over the battery compartment and press down on the four corners of the battery cover until it clicks into place.



Charging the device

Your device includes a charger. To charge, plug one end of the charger into an electrical outlet and the other end into the device's USB-C port.

WARNING! Always use approved batteries and chargers with your Airspeed Mobile Hotspot. The warranty does not cover damages caused by non-approved batteries and chargers.

- a) Do not disassemble, open, crush, bend, deform, puncture or shred the battery.
 - b) Do not modify, re-manufacture, or attempt to insert foreign objects into the battery.
Do not immerse or expose the battery to water, liquids, fire and hazardous materials.
 - c) Only use the battery for the device for which it is specified.
 - d) Only use the battery with a charging system that has been qualified with the device per this document. Use of an unqualified battery or charger may present a risk of fire, explosion, leakage, or other hazards.
 - e) Do not short circuit the battery or allow metallic conductive objects to the contact battery terminals.
 - f) Replace the battery only with another battery that has been qualified with the device per the IEEE-STD-1725 standards. Use of an unqualified battery may present a risk of fire, explosion, leakage or other hazards.
 - g) Promptly dispose of used batteries in accordance with local regulations.
-

IMPORTANT Whenever you remove or insert the battery, ensure your Airspeed Mobile Hotspot is not connected to any device or power source. Never use tools, knives, keys, pens or any type of object to force the door open or to remove the battery. Using any of these types of objects could risk puncturing the battery.

Using the Device

Use the Power/OK and Menu buttons on the device to perform these basic operations:

Power On: Press and hold **Power/OK** for 3 seconds until you see the "Hello" screen.

Power Off: Press and hold **Power/OK** for 6 seconds until you see the "Goodbye" screen.

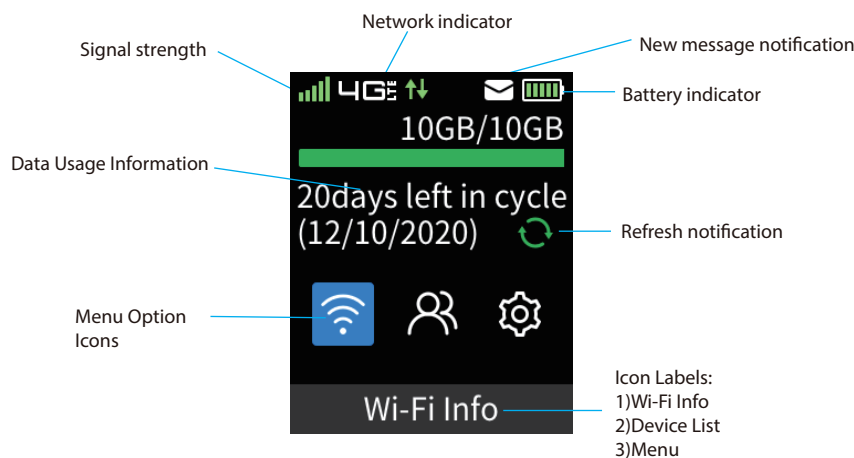
Wake Screen: Press and release **Power/OK** (when the screen is in sleep.)

Navigate to the next item: Press and release **Menu**.

Select or open the highlighted item: Press and release **Power/OK**.

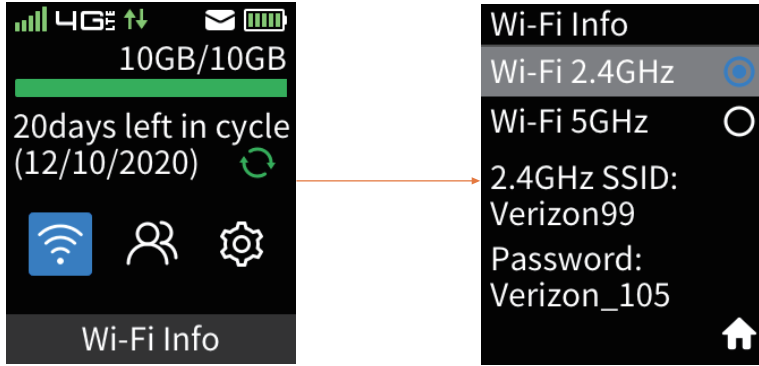
From the home screen, you can check your device's network status, data usage, battery levels and message notifications.

Home Screen

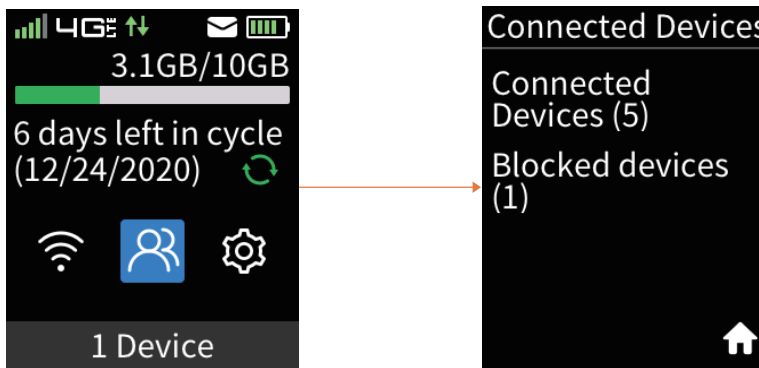


Press the Menu button to move to the next menu item highlighted on the screen. Press the Power/OK button to choose or open the highlighted item.

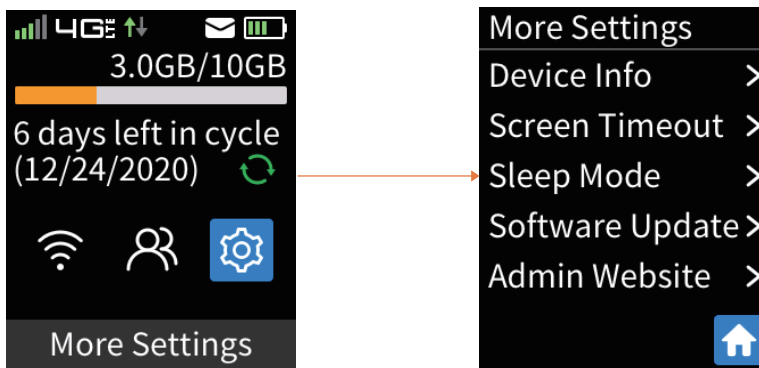
Wi-Fi Info Screen



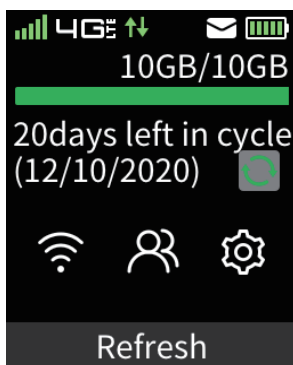
Device Details Screen



More Settings Screen



Refresh

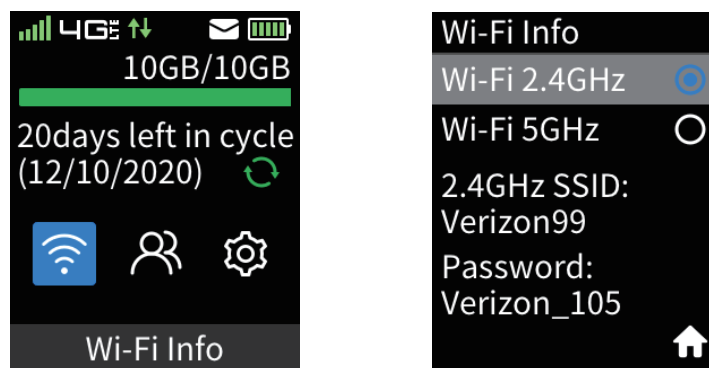


Activate the Refresh button to retrieve the up-to-date data usage information. It may take a few seconds to refresh.

Connecting to the Internet

When you turn on your device (with SIM card inserted), it will automatically connect to your carrier's network. Connect your Wi-Fi enabled device, such as a computer, smartphone, or tablet, to the mobile hotspot Wi-Fi network to access the Internet. Keep the Airspeed Mobile Hotspot in range of the Wi-Fi device you want to connect with and follow the instructions below.

1. Open your Wi-Fi network manager on your computer, smartphone, tablet, or other Wi-Fi enabled device. This will be typically found in your device's network settings or connections menu.
2. Connect your Wi-Fi enabled device to the Airspeed Mobile Hotspot by selecting your mobile hotspot's network name (SSID).
3. Once selected, enter the password (KEY) which can be found on the Wi-Fi Info screen.

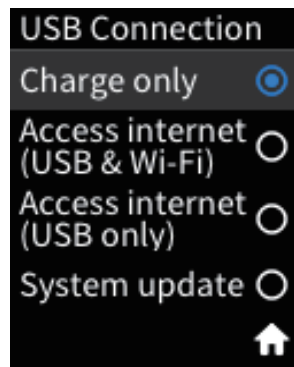


4. Open a web browser and visit your favorite website to confirm a successful connection.

Connecting via Tethering

You can also connect your Wi-Fi device to the Airspeed Mobile Hotspot using a USB-C data cable instead of connecting to the Wi-Fi network.

1. Make sure your Airspeed Mobile Hotspot is on and has an active network connection.
2. Connect one end of the USB-C cable to the Airspeed Mobile Hotspot and the other end to your Wi-Fi device.
3. The USB Connection option menu will pop up when the device is connected properly.



4. Choose options: "Access internet (USB & Wi-Fi)" or "Access internet (USB only)" to activate a connection via tethering. Use the Menu button the scroll down and the Power/OK button the select.
5. Open a web browser and visit your favorite website to confirm a successful connection.

Online WebUI Manager

The Online WebUI Manager is a virtual dashboard to manage the Airspeed Mobile Hotspot settings, features and security controls.

Accessing the Online WebUI Manager

1. After connecting the Airspeed Mobile Hotspot to your Wi-Fi enabled device, open a web browser and enter **http://my.mobilehotspot** (or **http://192.168.1.1**) in the address bar.
2. Enter the admin password and click **Login**.
Note: Your default admin password can be found on the Admin Website screen you the device display.

Change the admin password

1. Select **System > Login Settings**.
2. Enter new password and re-confirm the new password.
3. Select a security question and fill out the answer. This is for retrieving a forgotten password.
4. Click **Save Change**.

Online WebUI Manager: Managing Wi-Fi Settings

Once you're logged in to the Online WebUI Manager you can make adjustments to the following Wi-Fi settings.

Change your Wi-Fi login credentials

1. You can customize your mobile hotspot's Wi-Fi network name (SSID) and Wi-Fi network password.
2. Select **Wi-Fi > Wi-Fi Basic Settings**.
3. To rename the SSID, delete the default network name listed in the Network Name (SSID) and replace with your custom name. Note, you can change the Network Name (SSID) for both of the respective Wi-Fi networks: 2.4 GHz or 5 GHz Wi-Fi networks.
4. To change the password, delete the default network key listed in the Password field and replace. Note: You can change the password for both respective Wi-Fi networks: 2.4 GHz or 5 GHz networks.
5. Click **Save**.
6. The Airspeed Mobile Hotspot will refresh with the updated Wi-Fi credentials.

Note: You will need to reconnect any connected Wi-Fi enabled devices to the Airspeed Mobile Hotspot upon updating credentials.

Disable a Wi-Fi network

1. Select **Wi-Fi > Wi-Fi Basic Settings**.
2. Click the **Disabled**.

Change maximum connected devices

1. Go to **Wi-Fi > Wi-Fi Advanced Settings**.
2. Go to the drop-down menu under Max Connected Devices. Choose your preferred maximum number of devices allowed from 1-10.
3. Click **Save**.

Note: You will need to reconnect any connected Wi-Fi enabled devices to the Airspeed Mobile Hotspot upon updating the maximum number.

View all connected devices

1. Go to **Wi-Fi > Connected devices**.
2. All devices currently connected will be listed.

Note: Block any connected device by clicking on the + symbol next to the device. Unblock a device by clicking the - symbol next to the device listed under Blocked Devices.

Connect a device via WebUI WPS

1. Go to **Wi-Fi > WPS**.
2. Activate the WPS connection on the device you want to connect to the Airspeed Mobile Hotspot.
3. Click **Push WPS Button** on the Online WebUI Manager.
4. **WPS Success** will be displayed on the hotspot to confirm connection.

Note: You can disable the WPS feature from the device by unchecking the Enable ON .

Accessing Messages

The message icon on the Home Screen will indicate when a new message is received. Log into the Online WebUI Manager to view and delete your messages.

Viewing messages on the WebUI

1. Save 50 new messages maximum, old messages will be deleted automatically in order of the earliest time.
2. You could mark the unread messages selected as read, also you could delete the messages selected .
3. Once there are no unread messages in the message list, the icon of message will not appear on LCD screen.

Note: If there are no unread messages, the Message Icon will not appear on the mobile hotspot's screen.

Reading messages on the Online WebUI Manager

1. Select **Messages**.
2. A list of messages will be displayed.
3. Click on the message to open it in full display.

Deleting messages on the Online WebUI Manager

1. Select **Messages**.
2. A list of messages will be displayed.
3. Select the checkbox next to the message you want to delete.
4. Click **Delete**.

Online WebUI Manager: Adjusting Security Settings

The Online WebUI Manager lets you set the limits for certain websites and block unwanted connections.

Set parental controls

Limit the websites certain Wi-Fi enabled devices are able to connect to and the times they are allowed to connect.

1. Select **Advanced Settings** > **Parent Control**.
2. Click the **Add New Rule** button to enable Parent Control.
3. Add MAC address for the device that you want to set limits for.
4. Restrict specified websites and limit usage times or days, as desired.
5. Click **Save**.

The screenshot shows the Verizon Online WebUI Manager interface. At the top left is the Verizon logo. At the top right, there are status icons for 'NO SIM', signal strength, Wi-Fi, Bluetooth, battery level, and 'EN' (Emergency) with a 'Logout' button. On the left side, there is a navigation menu with categories: Home, Data Usage, Wi-Fi, Messages, Advanced Settings (expanded), and System. Under 'Advanced Settings', the following options are listed: LAN Settings, Network Settings, Backup and Restore, SIM PIN, Parent Control (selected), Security, and System. The main content area is titled 'Parent Control' and contains the text: 'Parental Control rules define policies to allow/deny Internet access for selected devices.' Below this is a section titled 'Existing Rules' which contains a table with the following headers: Rule Name, MAC Address, Action, Websites, Restricted Time, and Delete All. The table is currently empty, with a message below it stating 'This section contains no values yet'. At the bottom of the 'Existing Rules' section, there is a black button labeled 'Add New Rule'.

Block unwanted devices

Block unwanted devices from connecting to your Airspeed Mobile Hotspot.

1. Select **Security** > **MAC Filter**.
2. Select blacklist or whitelist mode.
3. Click **Add New Rule** then input a MAC address to add a new whitelist or blacklist rule.
4. Click **Save**.

Block unwanted websites

Block your device from connecting to unwanted websites while connected to your Airspeed Mobile Hotspot.

1. Select **Security > Website Filter**.
2. Select blacklist or whitelist mode.
3. Click **Add New Rule** then input the website's URL to add a new whitelist or blacklist rule.
4. Click **Save**.

Online WebUI Manager: Configuring Network Settings

LAN Settings

1. Manual LAN settings (IP, DHCP, etc.) can be configured through the Online WebUI Manager.
2. Select **Advanced Settings > LAN Settings**.
3. Configure settings by filling out the following fields: IPv4 Address, IPv4 Subnet Mask, DHCP Address Pool Start, DHCP Address Pool End, DHCP Lease Time.
4. Click **Save**.

Enable/Disable Cellular Data

Turn off Cellular Data to block all internet traffic on your Airspeed Mobile Hotspot.

1. Select **Advanced Settings > Network Settings**.
2. Click the toggle OFF switch under Cellular Data to switch on or off.
3. Click **Save**.

Access Point Name (APN) Settings

Your Airspeed Mobile Hotspot comes pre-configured with the access point name (APN) for your network service provider. The mobile hotspot checks the APN to determine the type of network connection to establish.

Note: You can also change the APN setting by select Edit Icon. Be careful, wrong APN setting will cause network connection fail to be established.

Port Forwarding

Port forwarding allows remote computers on the Internet to connect to a specific computer or service within the private LAN. When enabled, incoming traffic is forwarded to specific ports and devices on your network using their local IP addresses.

Note: Port forwarding creates a security risk. When not required, it is recommended to keep it disabled.

1. Select **Security > Port Forwarding**.
2. Click **Add New Rule**.
3. Fill out the following fields:
 - a. For Name, use a meaningful name to identify the purpose of the forward rule.
 - b. For Protocol, choose the protocol option to match forwarding rule. The options include TCP+UDP, TCP, UDP.
 - c. For External Ports, enter the destination port (for example: 5060) or port range (for example: 5000-5050) on the incoming traffic from the external network.
 - d. For Internal IP, enter the IP address of the internal host. Redirect matched incoming traffic to the specified internal host.
 - e. For Internal Ports, enter the port code of the internal host. Redirect matched incoming traffic to the given port (for example: 5060) or port range (for example: 5000-5050) on the internal host.
4. When completed, click **Save**.

Online WebUI Manager: Manage System Settings

Device Settings Backup

You can back up and restore mobile hotspot settings. Backing up and restoring are useful if you use more than one device and you want the same settings on all of your devices. You can also save your settings before resetting to factory defaults or changing the settings.

Backup settings

1. Select **Advanced Settings > Backup and Restore**.
2. Click **Export**.
3. The backup file will be saved to your hard drive.

Restore settings from a backup file

1. Select **Advanced Settings > Backup and Restore**.
2. Click **Choose File**
3. Select the backup file from your hard drive.
4. Click **Import**.

Adjust the display settings to increase battery life

Set the screen time-out to a shorter period to reduce the amount of time the mobile hotspot waits before the screen turns blank.

1. Select **System > Power Saving**.
2. Select the length of time the device will wait before the screen turns blank in the Display Timeout drop-down menu.
3. Choose between 1, 3, 5, 10 minutes or Never off.
4. Click **Save**.

Note: The display timeout is defaulted to 1 minute.

Adjust the device sleep settings to increase battery life

Set the Wi-Fi standby time to a shorter period to reduce the amount of time the mobile hotspot is inactive and turns off the network.

1. Select **System > Power Saving**.
2. Select the length of time the device will wait before the screen turns blank in the Wi-Fi Standby drop-down menu.
3. Choose between 1, 3, 5, 10 minutes or Always on.
4. Click **Save**.

Note: The Wi-Fi standby time is defaulted to 10 minutes.

Update Mobile Hotspot Software

You can check for new software updates through the Online WebUI Manager.

1. Select **System > Current Software**.
2. Click **Check for Updates**.
3. Wait a moment as the device searches for updates.
4. If there is an update, you will be prompted to activate the update on the Online WebUI Manager.

Note: The battery life must be over 30% to proceed with the software update.

Perform a Factory Reset

You can restore your Airspeed Mobile Hotspot to default factory settings. It will reset all of the custom settings saved.

1. Select **System > Factory Reset**.
2. Click **Reset**.
3. Click **Confirm**.
4. Wait a moment as the device is restored to the default settings.
5. You will need to re-connect to the device with its default Wi-Fi login credentials shown on the display.

You can also manually perform a factory reset by inserting a paperclip (or a long, narrow object) into the reset pinhole located on the bottom of device and holding for 6 seconds. It will reset all of the custom settings saved.

*Note: The default password can be found at **More Setting > Admin Website** on your Airspeed Mobile Hotspot.*



Factory Reset Pinhole

View device information

Device details such as Model, IMEI, SW version, IP address, Network status, and the phone number associated with your Airspeed Mobile Hotspot can be viewed on the Online WebUI Manager. Select **System** > **Device Information**.

The screenshot shows the Verizon Online WebUI Manager interface. At the top left is the Verizon logo. At the top right, there are status indicators: "NO SIM", signal strength bars, a plus sign, "BATTERY FULL", a battery icon, "EN", and a power icon with "Logout" text. On the left side, there is a navigation menu with the following items: Home, Data Usage, Wi-Fi, Messages, Advanced Settings, System (highlighted), Login Settings, Power Saving, Current Time, Factory Reset, Software Update, Device Information (indicated by a right-pointing arrow), and Internet Status. The main content area is titled "Device Information" and displays the following details:

Model:	ASMH501
Mobile Number:	Unknown
IMEI:	8605 5005 0004 962
IMEISV:	00
ICCID:	Unknown
SW Version:	Perdix_0.00.18
HW Version:	89528_1_30
WAN IP Address:	Unknown
MCC:	Unknown
MNC:	Unknown

Troubleshooting

Check below for solutions to common problems you may experience.

Problem: The device cannot connect to the mobile hotspot.

If you are experiencing problems connecting to the mobile hotspot, try the following suggestions:

- Restart the mobile hotspot
- Restart the device you want to connect (laptop, smartphone, etc.)
- Confirm the Wi-Fi network name (SSID) and password (KEY) and establish a new connection to the mobile hotspot

Problem: The device is connected to the mobile hotspot but cannot access the internet.

If your device has successfully connected to the mobile hotspot's Wi-Fi network but you cannot access the internet, try the following suggestions:

- Check the signal strength and network indicator on your device's display home screen and confirm the hotspot has network coverage in the area
- Make sure your SIM card is active and properly installed. See Insert SIM Card section on page 5.
- Check to see if Cellular Data is enabled in the Online WebUI Manager. See Enable/Disable Data section on page 14.

Problem: Download and/or upload speeds are slow.

If you are experiencing a slow internet connection while connected to the mobile hotspot, try the following suggestions:

- Check the signal strength on your device's display home screen. A low signal strength can indicate a weak connection to the network in your area
- Please make sure your device is in close range to the mobile hotspot to optimize the Wi-Fi connection

Problem: Forgot the password to the Wi-Fi network.

The password to your Wi-Fi network can be easily found on your device's Home screen and Wi-Fi Info screen. If you need to change your Wi-Fi password, this can be done through the Online WebUI Manager. See Change your Wi-Fi login credentials section on page 11.

Product Specifications

Display	LCD
Chipset	MDM9207
Memory	256 MB RAM / 512 MB ROM
Battery	Removable Li-ion battery, 3,000 mAh
Charging Port	USB Type-C
Dimensions	102 mm (L) x 71 mm (W) x 18.5 mm (H)
Weight	140 g
Operating System	Linux
Network Frequency	LTE Bands: 2, 3, 4, 5, 7, 12, 13, 66 UMTS Bands: 1, 2, 5, 8
Wi-Fi Connectivity	802.11 a/b/g/n/ac; Dual-Band: 2.4 GHz & 5 GHz

FCC Regulations

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless mobile hotspot devices employs a unit of measurement known as the Specific Absorption Rate, or SAR.

The SAR limit set by the FCC is 1.6 W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.

Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the power output.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: 2APXW-ASMHS01.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and positions the handset a minimum of 1.5 cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the device at the ear, position the handset a minimum of 1.5 cm from your body when the device is switched on.

Manufacturer's Limited One-Year Warranty:

Wingtech Technology (the "Company") warrants to the original retail purchaser of this device, that should the product or any part thereof, during normal consumer usage conditions, be defective in material or workmanship that results in product failure within the first twelve (12) month period from the date of purchase, such defects will be repaired or replaced, with a new or refurbished product at the Company's discretion, without charge for parts and labor directly related to the defect(s).

This warranty extends to consumers who purchase the product in the United States, and it is not transferable or assignable. This warranty does not apply to:

- (a) Products subject to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- (b) Products whose mechanical serial number or electronic serial number has been removed, altered, or defaced;
- (c) Damage from exposure to moisture, humidity, excessive temperature or extreme environmental conditions;
- (d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- (e) Defects in appearance, cosmetic, decorative or structural items such as framing and nonoperative parts;
- (f) Damage from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, a blown fuse, theft or improper usage of any electrical source.

Wingtech Technology is not responsible for and does not guarantee restoration of any third-party software, personal information or memory data contained in, stored on, or integrated with any wireless device, whether under warranty or not, returned to an authorized service center for repair or service.

To obtain repairs or replacement within the terms of this warranty, the product should be

delivered with proof of warranty coverage (e.g, a dated bill of sale), the consumer's return address, daytime phone number and/or fax number and complete description of the problem, transportation prepaid, to the place of purchase or to an authorized service center for repair or replacement processing.

The extent of the Company's liability under this warranty is limited to the repair or replacement provided above and, in no event, shall the Company's liability exceed the purchase price paid by purchaser for the product.

Any implied warranties, including any implied warranty of merchant ability or fitness for a particular purpose, shall be limited to the duration of this written warranty. In no case shall the Company be liable for any special consequential or incidental damages for breach of this or any other warranty, express or implied, whatsoever. The Company shall not be liable for the delay in service under this warranty or loss of use during the time the product is being repaired or replaced.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale, repair or replacement of this product.

Some states do not allow limitations on how long an implied warranty lasts on the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

For warranty service information, please contact the following:

Email: rma@q1w.net
Address: Quality One Wireless,
LLC, 7651 Southland Blvd.
Orlando, FL 32809.