



LIPPERT
COMPONENTS®



WiFi On-the-Go™

Installation and Owner's Manual

(For Aftermarket Applications)

Table of Contents

Introduction	2
Safety Information	2
Parts List	2
Activation	3
System Requirements	3
Installation	3
Method One - 4.0G Cellular Antenna	3
Method Two - Exterior Cellular Antenna Installation	5
Resources Required	5
System Configuration	7
Connecting to WiFi On-the-Go™	7
Mobile Use	10
Troubleshooting	11
FCC Compliance	12

WiFi On-the-Go™ Kit	
Part #	Description
722050	WiFi On-the-Go™



Data Package Required

WiFi On-the-Go™ is certified with AT&T® and Rogers™ (CAN) cellular service using 3G bands II, IV, V and 4G LTE 2,4 & 12.

- Purchase of nano sim card and data package required.

The AT&T® and Rogers™ (CAN) trade names and logos are registered trademarks of AT&T® and Rogers™ (CAN) respectively.



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Introduction

WiFi On-the-Go™ was designed and engineered for the mobile lifestyle. The weatherproof, external cellular antenna array increases your signal range far beyond a simple “off-the-shelf” mobile hotspot. WiFi On-the-Go utilizes Direct Link Technology specifically designed to go wherever you go. Direct Link Technology provides the fastest 4G LTE connectivity available, up to 150Mbps, so you're connected wherever the road may take you.

WiFi On-the-Go™ is a portable device but can be fastened to a mounting surface if desired. Brief instructions will be detailed but it will be up to the retail customer to determine the proper location, means and methods of installation.

If the external cellular antenna is not a permanent mount there are a number of methods of temporary mounting that can be utilized at the retail customer's discretion, i.e. hook and loop material, two-sided tape, etc. If the external cellular antenna is not permanently attached with all-weather sealant, the antenna should not be exposed to water. Use the method best to suit the temporary mounting surface.

The 12V DC/DC power adapter (Fig.1E) can be used to ensure a smooth power supply to the cellular gateway (Fig.1F) when connected to various 12V batteries or systems such as vehicle, solar power bank, etc. The user will need to determine which connection type they will need to add to the red/black wires, such as a cigarette lighter adapter or banana clips, to suit their specific application.

WiFi On-the-Go™ is certified with AT&T® and Rogers™ (CAN) cellular service using 3G bands II, IV, V and 4G LTE bands 2,4 & 12. In order to activate your WiFi On-the-Go™ hotspot, the owner will need to purchase their own AT&T® or Rogers™ (CAN) nano Sim card and data package.

Additional information about this product can be obtained from lci1.com/support or by using the myLCI app. Replacement components can be ordered from <https://store.lci1.com/> or by using the myLCI app.

The myLCI app is available for free on iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users. iTunes®, iPhone® and iPad® are registered trademarks of Apple Inc. Google Play™ and Android™ are trademarks of Google Inc.

Safety Information

⚠ CAUTION

ALWAYS WEAR EYE PROTECTION WHEN PERFORMING INSTALLATION. OTHER SAFETY EQUIPMENT TO CONSIDER WOULD BE HEARING PROTECTION, GLOVES AND POSSIBLY A FULL FACE SHIELD, DEPENDING ON THE NATURE OF THE INSTALLATION.

Parts List



Fig.1

Letter	Part#	Description	Qty
A	715645	Coax Cable, 10'	2
B	722255	External Cellular Antenna	1
C	722251	2.4 GHz WiFi Antenna	2
D	722252	4.0G Cellular Antenna	2
E	716722	12V DC/DC In-line Power Supply	1
F	722250	Cellular Gateway	1
G	722253	120V AC/DC Adapter	1
H	383635	#8 x 3/4" Stainless Steel Pan Head Screw	10



Activation

Data package required to activate the WiFi On-the-Go™. Before visiting AT&T® or Rogers™ (CAN), make sure to have the IMEI (International Mobile Equipment Identity) number available. The IMEI number is printed on the cellular gateway's label (Fig.2A).

The IMEI number is a unique 15-digit serial number given to every device which can then be used to check information such as the device's Country of Origin, the Manufacturer and its Model Number.

Whether currently an AT&T® or Rogers™ (CAN) Wireless customer or not, contact AT&T® or Rogers™ (CAN) customer service or visit the nearest AT&T® or Rogers™ (CAN) Wireless corporate store to purchase a nano SIM card.



Fig.2

CAUTION

THE IMEI NUMBER IS A UNIQUE 15-DIGIT SERIAL NUMBER GIVEN TO EVERY MOBILE PHONE. THE IMEI NUMBER SHOULD BE TREATED AND PROTECTED THE SAME AS A PERSONAL IDENTIFICATION NUMBER (PIN) TO PREVENT UNAUTHORIZED ACCESS TO THE SYSTEM. USE CARE WHEN PLACING ADDITIONAL PRODUCT LABELS THAT SHOW PRODUCT SENSITIVE INFORMATION, SUCH AS SSID, PASSWORD AND IMEI#.

System Requirements

- AT&T® or Rogers™ (CAN) nano SIM card
- Android, iOS smart device or personal computer
- Ethernet cable (Optional)

Installation

Method One - 4.0G Cellular Antenna

NOTE: Not all components will be utilized for the 4.0G cellular antenna installation.

1. Attach the two 2.4GHz WiFi antennae (Fig.3A) to the corresponding ports of the cellular gateway (Fig.3D).
2. Attach the two, 4.0G cellular antennae (Fig.3B) to the corresponding ports of the cellular gateway (Fig.3C).
3. Locate the SIM card slot on the side of the cellular gateway (Fig.3E).
4. Gently push in on the edge of the nano SIM card adapter (Fig.3E) and release. The SIM card adapter will pop out.

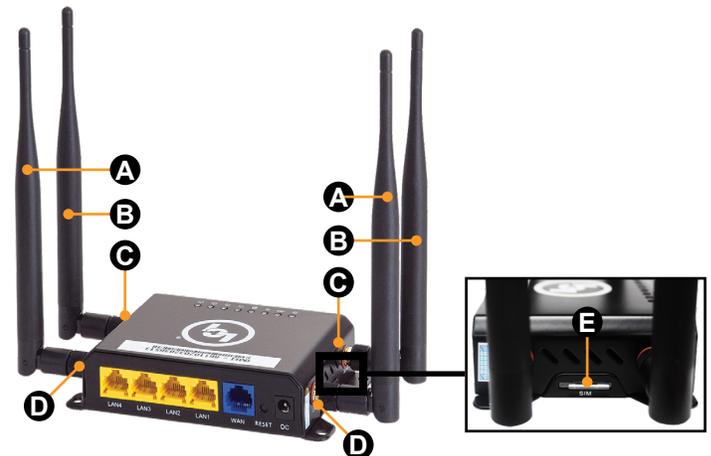


Fig.3



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5. Position the SIM card adapter's beveled edge on the top right hand corner (Fig.4A), insert the nano SIM card (Fig.4B) purchased from AT&T® or Rogers™ (CAN) at the same position into the nano SIM card adapter (Fig.4C).

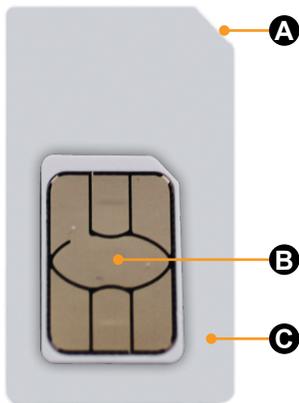


Fig.4

NOTE: Take caution when inserting the SIM card adapter into the SIM card slot opening to ensure that the adapter is **NOT** inserted below the SIM card slot opening.

6. Insert the nano SIM card adapter with the nano SIM card into the SIM card slot until a “click” sound is heard.

NOTE: The “click” sound means the SIM card is now securely latched into the SIM slot.

7. Use the 120V AC/DC adapter (Fig.5) for a power source by inserting the power supply's barrel connector (Fig.5A) into the back of the cellular gateway (Fig.7A), or plug the 12V DC/DC barrel connector (Fig.6B) into the back of the cellular gateway (Fig.7A).

8. Plug the 120V AC/DC adapter (Fig.5) into a wall outlet or utilize the 12V DC/DC adapter (Fig.6) by connecting the red and black wires (Fig.6A) to a 12V power source.

9. Verify power and connectivity with the Wifi On-The-Go™ LEDs (Fig.7B). Lights will flash when connected.

10. Proceed to System Configuration section to complete the installation.

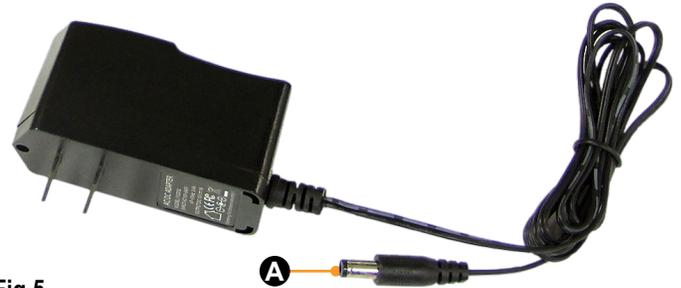


Fig.5

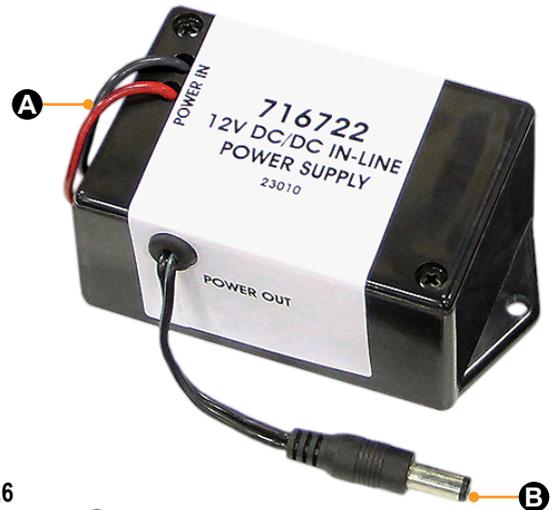


Fig.6



Fig.7



Method Two - Exterior Cellular Antenna Installation

NOTE: The external cellular antenna can be permanently attached to a structure or used as a mobile antenna. If the external cellular antenna is not a permanent mount there are a number of methods of temporary mounting that can be utilized at the retail customer's discretion, i.e. hook and loop material, two-sided tape, etc. If the external cellular antenna is not permanently attached with all weather sealant, the antenna should not be exposed to water.

Resources Required

- Cordless or electric drill or screw gun
- Appropriate drive bits
- All weather silicone sealant
- Tape measure

NOTE: Not all components will be utilized for the exterior cellular antenna installation.

1. Locate an area to mount your external cellular antenna (Fig.8C). The area should be relatively flat and be located within 10 feet of the cellular gateway (Fig.8B) mounting location. Two small coax cables (Fig.8A) will need to be run between the external cellular antenna and the cellular gateway.
2. Position the antenna where you would like to mount it. The antenna should sit completely flat against the surface. Trace an outline along the outer lip of the antenna.
3. "Drill the 1/2" hole in the center of the outline through the intended mounting surface so the centrally located cables can easily route inside.

NOTE: Make sure that there are no wires, pipes, etc., behind the drilling area before drilling.

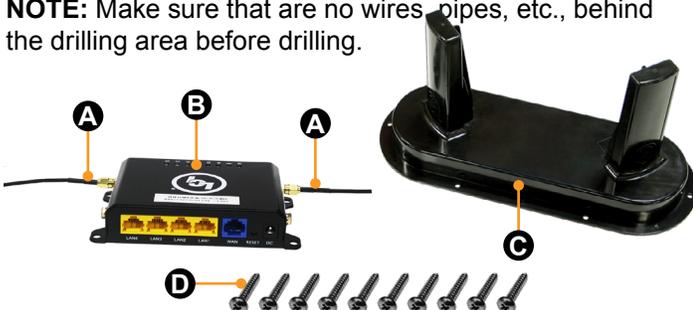


Fig.8

4. Attach one end of the two coax cables (Fig.8A) to the coax cable female ends located underneath the external cellular antenna (Fig.9C). Run the opposite ends of the coax cables through the previously drilled hole. Make sure the coax cables reach the cellular gateway before affixing the cellular gateway permanently. The cellular gateway (Fig.8B) should be located within 10 feet of the external cellular antenna (Fig.8C).

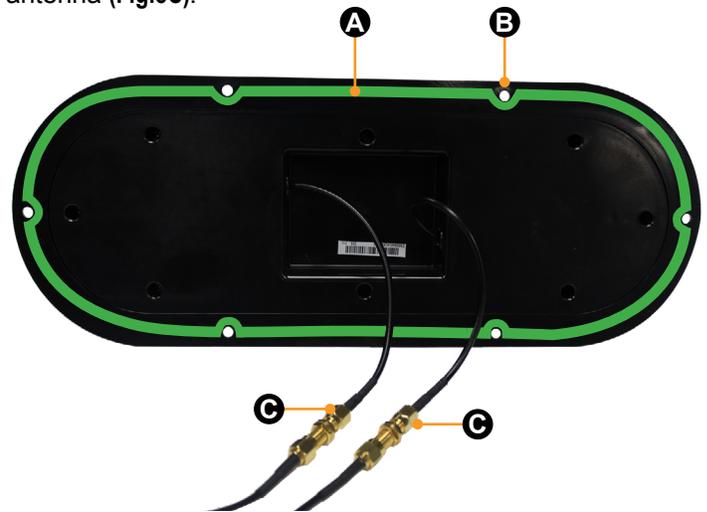


Fig.9

5. On the underside of the external cellular antenna, apply all-weather silicone sealant (Fig.9A, green line) around the entire outer lip. It is very important to not leave any gaps to ensure a good seal to the mounting surface.
6. Guide the coax cable wires into the hole as the external cellular antenna is gently placed.
7. After the external cellular antenna is on the designated mounting surface, use the six provided screw hole areas (Fig.9B) in the bottom of the external cellular antenna, and install six provided #8 x 3/4" stainless steel pan head screws (Fig.8D) through the antenna bottom and into the mounting surface. Do not over-tighten the screws. The all-weather silicone sealant should spread out slightly as the screws draw down the antenna.
8. An additional bead of all weather silicone sealant should be placed around the outer lip of the external cellular antenna and on the screws to form a watertight seal. Allow all weather silicone sealant to dry completely.



Wifi On-the-Go™ Installation and Owner's Manual (For Aftermarket Applications)

9. If desired, secure the cellular gateway (Fig.10) to a permanent mounting surface by installing four provided #8 x 3/4" stainless steel pan head screws (Fig.8D) through the provided holes in the cellular gateway (Fig.10A) and into the permanent mounting surface.

10. Attach the two coax cables, one cable on each side of the cellular gateway, into the ports marked 3G/4G (Fig.10B).



Fig.10

11. Attach the two 2.4 GHz WiFi antennae to the corresponding ports of the cellular gateway (Fig.11A).



Fig.11

12. Locate the SIM card slot on the side of the cellular gateway (Fig.12A).

13. Gently push in on the edge of the nano SIM card adapter (Fig.12A) and release. The SIM card adapter will pop out.



Fig.12

14. Position the SIM card adapter's beveled edge on the top right hand corner (Fig.13A), insert the nano SIM card (Fig.13B) purchased from AT&T® or Rogers™ (CAN) at the same position into the nano SIM card adapter (Fig.13C).

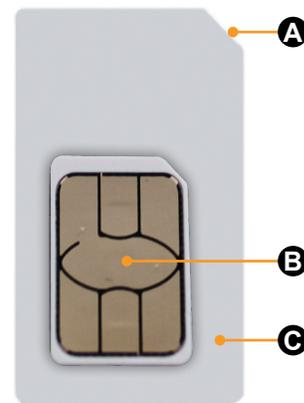


Fig.13

NOTE: Take caution when inserting the SIM card adapter into the SIM card slot opening to ensure that the adapter is NOT inserted below the SIM card slot opening.

15. Insert the nano SIM card adapter with the nano SIM card into the SIM card slot until a “click” sound is heard.

NOTE: The “click” sound means the SIM card is now securely latched into the SIM slot.

16. Use the 120V AC/DC adapter (Fig.14) for a power source by inserting the power supply's barrel connector (Fig.14A) into the back of the cellular gateway (Fig.11B), or plug the 12V DC/DC barrel connector (Fig.15B) into the back of the cellular gateway (Fig.11B).

17. Plug the 120V AC/DC adapter (Fig.14) into a wall outlet or utilize the 12V DC/DC adapter (Fig.15) by connecting the red and black wires (Fig.15A) to a 12V power source.

18. Proceed to System Configuration section to complete the installation.



Fig.14

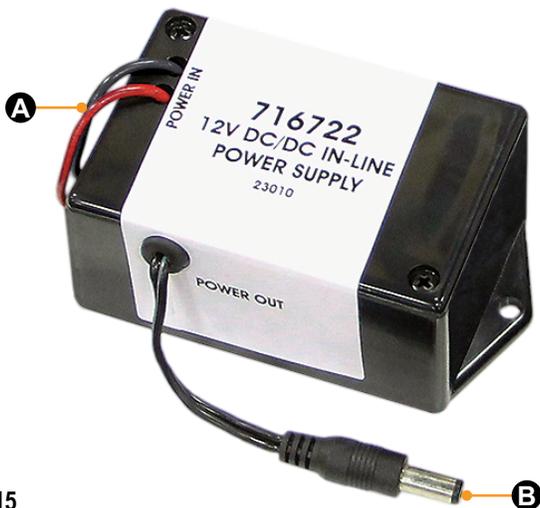


Fig.15

System Configuration

After successful activation of the WiFi On-the-Go™, use a mobile device or an Ethernet cable and personal computer to connect to the 4G LTE wireless hotspot.

NOTE: For the best security, the settings should be configured with the WiFi On-the-Go™ wired via Ethernet cable and a personal computer.

Connecting to WiFi On-the-Go™

1. From the mobile device's Wi-Fi settings, select WiFi On_the_Go_xxxx, (xxxx means the numbers at the end will vary.) The password will be blank.

2. To change the administrator password, rename the hotspot (ESSID) and set the security settings with a login password:

A. Open a web browser.

B. Type 192.168.1.1 into the address bar.

C. When prompted, enter the following default username and password (Fig.16A) and click Login (Fig.16B).

I. Username: root

II. Password: admin

Authorization Required

Please enter your username and password.

Username

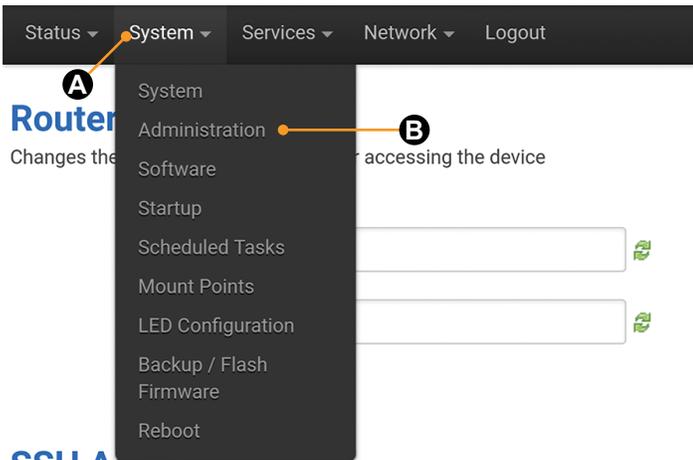
A Password

B

Fig.16

3. At the top menu bar select “System” dropdown menu (Fig.17A).

4. Click on “Administration” (Fig.17B).



SSH Access

Fig.17

5. Enter a new administrator password and confirm (Fig.18A and Fig.18B).

NOTE: For security purposes use a strong password. For easy retrieval of a forgotten password, it is recommended to write down and store the new password in a secure location or use a password management encrypted database that may be located on your personal computer or mobile device.

Router Password

Changes the administrator password for accessing the device

A Password

B Confirmation

Fig.18

6. Click "Save and Apply" at the bottom of the screen (Fig.19A).



Fig.19

7. At the top menu bar select "Network" dropdown menu (Fig.20A).

8. Click on "Wifi" (Fig.20B).

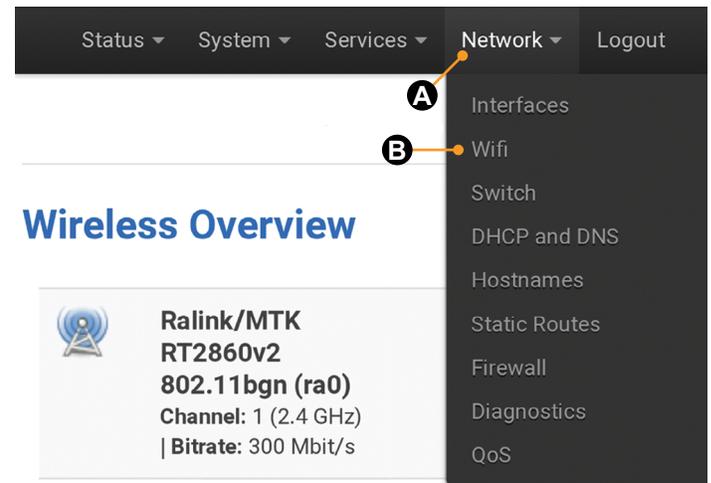


Fig.20

A. Click on the Edit button under the "Wireless Overview" section (Fig.21A), then scroll to the Interface Configuration at the bottom of the page.

Wireless Overview

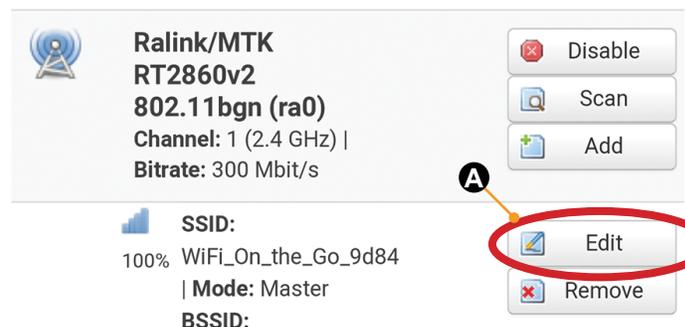


Fig.21

- B. If preferred, rename the hotspot (ESSID) here (Fig.22A).
- C. Click on "Save" (Fig.23A).

- D. Click on the "Wireless Security" tab (Fig.24A) to ensure

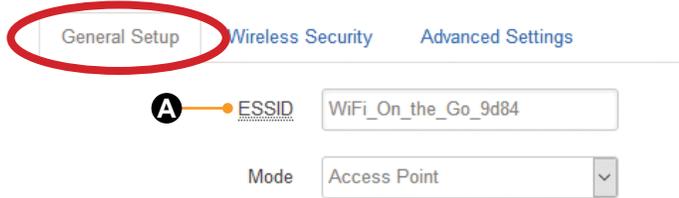


Fig.22

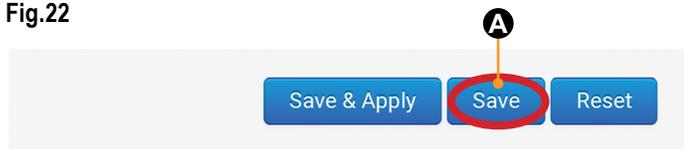


Fig.23

Wi-Fi security.

- I. From the menu, select the desired level of security. LCI recommends WPA2-PSK (Fig.25A).

Interface Configuration



Fig.24

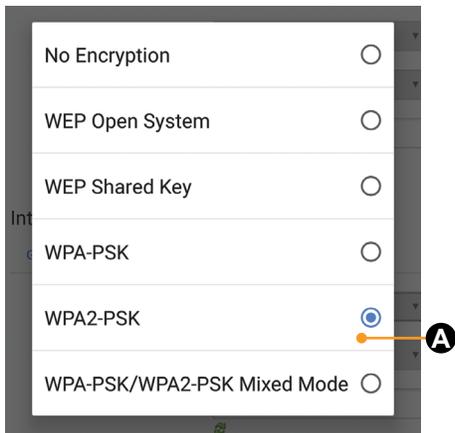


Fig.25

- II. Enter a new password in the "Key" field (Fig.26A). The password **MUST** be at least eight characters.

NOTE: For easy retrieval of a forgotten password, it is recommended to write down and store the new password in a secure location or use a password management encrypted database that may be located on your personal computer or mobile device.

- III. Click on "Save & Apply" button (Fig.26B).

Interface Configuration

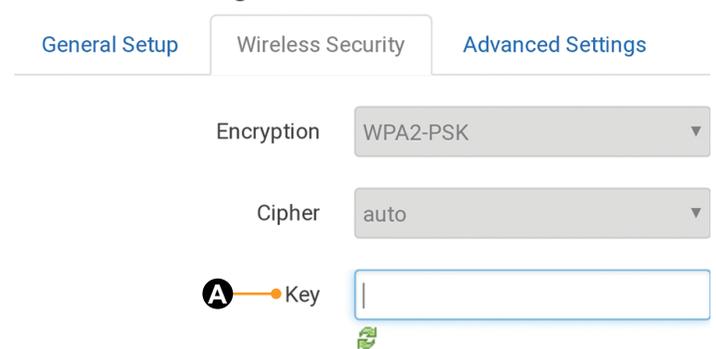


Fig.26

NOTE: "Waiting for changes to be applied" may be visible until sign-in is completed.

- 9. Sign in to the hotspot again by selecting the hotspot from your mobile device's Wi-Fi settings.

NOTE: This will be the default hotspot name or the new name given in step 8B.

- 10. If the security setting was changed and a security (log in) password was added (step 8DII), enter the new password.

NOTE: Do not press "RESET" on the back of the cellular gateway unless directed by Lippert Customer Service. Reset will take the device back to factory settings and make the device inoperable.



Mobile Use

1. Disconnect the two coax cables from the 3G/4G ports of the cellular gateway.

A. If a temporary method of fastening the cellular gateway to it's location was utilized, proceed to step 2.

B. If permanent fasteners were installed, remove the two 2.4GHz WiFi antennae from the cellular gateway first, then remove the four fasteners from the cellular gateway and proceed to step 2.

2. Attach the two 4.0G cellular antennae (Fig.27A) to the corresponding ports of the cellular gateway or the two cables from the external cellular antenna if it was not permanently attached to a structure.

NOTE: If the exterior cellular antenna was not a permanent mount it could also be utilized during mobile use.

3. If required, reattach the two 2.4GHz WiFi antennae to the corresponding ports of the cellular gateway (Fig.27B).

4. Use the 120V AC/DC adapter (Fig.28) for a power source by inserting the power supply's barrel connector (Fig.28A) into the back of the cellular gateway (Fig.27C), or plug the 12V DC/DC barrel connector (Fig.29B) into the back of the cellular gateway (Fig.27C).

5. Plug the 120V AC/DC adapter (Fig.28) into a wall outlet or utilize the 12V DC/DC adapter (Fig.29) by connecting the red and black wires (Fig.29A) to a 12V power source.

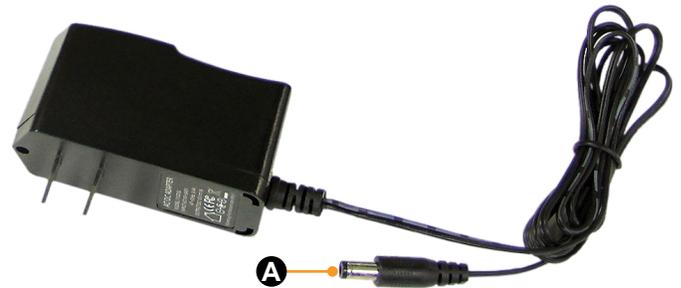


Fig.28

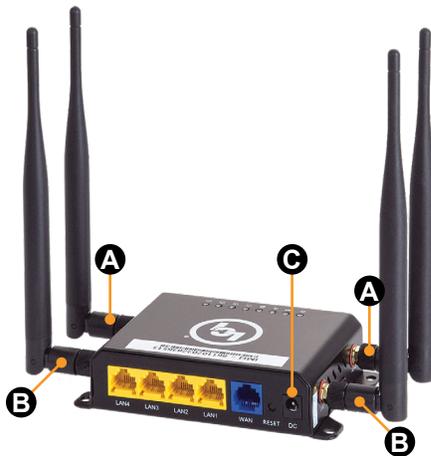


Fig.27

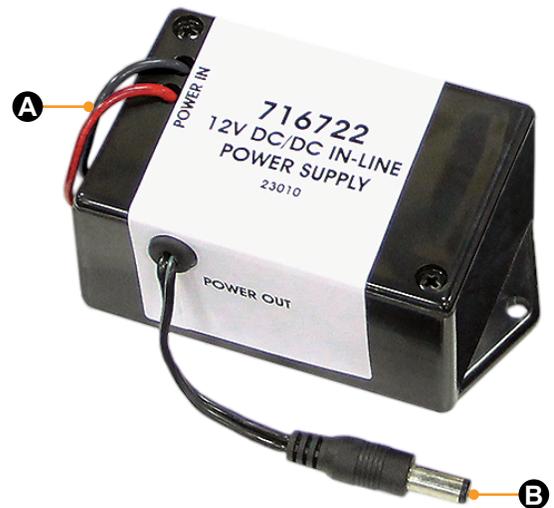


Fig.29



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Troubleshooting

Most problems with the WiFi On-the-Go™ can be diagnosed by checking the indicator lights located on the top of the cellular gateway.



LED Indicator Light Troubleshooting Chart

Letter	Description	LED Color	What's Happening?	Why?	What Should be done?
A	Power	Red	WiFi On-the-Go™ Gateway is powered.	No Problems.	N/A
		Off	WiFi On-the-Go™ Gateway is NOT powered.	WiFi On-the-Go™ Gateway is NOT powered.	Check the power source and power connections.
B	Cell	Blue	Slow blink is searching/ connecting, faster blink is activity.	No Problems.	N/A
		Off	No cell connection.	No cell connection.	Verify nano SIM card is active with your provider and is inserted into the SIM card adapter and SIM card slot correctly.
C	WiFi	Blue	Solid when AP is available, blink on activity.	No Problems.	N/A
		Off	No WiFi connection.	No WiFi connection.	Log into the router and verify that the WiFi function is turned on.
D	WAN	Blue	Blink on activity.	No Problems.	N/A
		Off	No WAN connection.	Not in use. Bad or no Ethernet cable connection.	Check Ethernet connection to router.
E-H	LAN	Blue	Blink on activity.	No Problems.	N/A
		Off	No LAN connection.	Not in use. Bad or no Ethernet cable connection.	Check Ethernet connection to router.



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FCC Compliance

FCC 15B statement:

This equipment 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.

FCC Part 15 compliance statement:

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.

IC User manual notice:

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Non-modification Warning

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

RF Exposure Statement

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 30cm or more away from person's body.



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