

# ONECONTROL<sup>®</sup> CONNECTANYWHERE™ CELLULAR GATEWAY REPROGRAMMING AFTER RESET

### ELECTRONICS

#### Purpose

The purpose of this document is to provide the reconfiguration procedure for the OneControl<sup>®</sup> ConnectAnywhere<sup>™</sup> cellular gateway, after the factory RESET button (Fig. 1A) has been pushed.



#### **Resources Required**

- AT&T<sup>®</sup> or Rogers<sup>™</sup> nano sim card and data package
- · Android, iOS smart device or personal computer
- Ethernet cable (optional)

#### Reconfiguration Procedure for OneConrol<sup>®</sup> ConnectAnywhere™

- **NOTE:** For the best security, use a personal computer and Ethernet cable connected to the cellular gateway, using one of the LAN ports. Mobile devices will work as well.
- **NOTE:** There may be a sticker covering the RESET button (Fig. 1A). Remove the sticker and proceed with step 1.
- **1.** Turn on the cellular gateway.
- 2. On your Android, iOS smart device or personal computer, look in the settings network for the Service Set Identifier (SSID) of the cellular gateway.
- 3. Press and hold the RESET button (Fig. 1A) on the back of the cellular gateway for 10 seconds.
- **4.** The SSID may revert back to OpenWrt\_2.4G\_xxxx. Once the SSID is available again in the settings network, connect to the cellular gateway and open a web browser. Type 192.168.1.2 (Fig. 2A) in the web browser's address field to reach the administration page.





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5. Locate the Authorization Required on the web page. The username is "root" and type in the password "admin" (Fig. 3A).



**6.** At the top menu bar of the web page select Network (Fig. 4A) select Interfaces (Fig. 4B) in the dropdown menu. Go to the 4G (Fig. 5A) setting and click Edit (Fig. 5B).

OpenWrt	Status - System -	Services - N	letwork 👻	Logout				
WAN V	NAN6 4G LAN	A	Interfaces Wifi		♦	-(B		
Interfac	es		Switch DHCP and [	DNS				
Interface (	Overview		Static Route					
		Fig	5					
							-	
		ione Logode						
WAN WAN6	4G LAN							
WAN     WAN6       Interfaces       Interface Overvie       Network       LAN       @2 (2000)       br-lan	4G LAN EW Status Uptime: 0h 29m 0s MAC-Address: 78:A3:51:4E:6D:0 RX: 174.87 KB (1812 Pkts.) TX: 391.73 KB (1553 Pkts.) IPv4: 192.168.1.1/24 IPv6: FD38:D4B3:CB7B:0:0:0:0.1	)2	Actions @ Conr	nect	Stop	Z Edi	t 🗵	Delete
WAN WAN6 Interfaces Interface Overvie Network LAN  (CMM) (CM	4G         LAN           EW         Status           Uptime: 0h 29m 0s         MAC-Address: 78:A3:51:4E:6D:0           RX: 174.87 KB (1812 Pkts.)         TX: 391.73 KB (1553 Pkts.)           IPv4: 192.168.1.1/24         IPv6: FD38:D4B3:CB7B:0:0:0:0:11           RX: 0.00 B (0 Pkts.)         TX: 0.00 B (0 Pkts.)	)2 /60	Actions Conr Conr	nect (2)	Stop	Edit	t ×	Delete Delete
WAN     WAN6       Interfaces       Interface Overvie       Network       LAN       S <sup>S</sup> (S <sup>S</sup> (S <sup>S</sup> ))       br-lan	4G         LAN           BW         Status           Uptime: 0h 29m 0s         MAC-Address: 78:A3:51:4E:6D:0           RX: 174.87 KB (1812 Pkts.)         TX: 391.73 KB (1553 Pkts.)           IPv4: 192.168.1.1/24         IPv4: 192.168.1.1/24           IPv6: FD38:D4B3:CB7B:0:0:0:0:1.1         RX: 0.00 B (0 Pkts.)           TX: 0.00 B (0 Pkts.)         TX: 0.00 B (0 Pkts.)           TX: 0.00 B (0 Pkts.)         TX: 198.43:51:4E:6D:0           RX: 2.62 KB (22 Pkts.)         TX: 198.43 KB (583 Pkts.)	)2 /60 )3	Actions       Ø     Conr       Ø     Conr       Ø     Conr       Ø     Conr	nect @	Stop Stop	Z Edi	t X	Delete Delete Delete



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- 7. Under Common Configuration in the General Setup, make sure the fields below match the fields in the general setup (Fig. 6).
  - **A.** Protocol: UMTS/GPRS/EV-DO
  - **B.** Modem device: /dev/ttyUSB2
  - **C.** Service Type: UMTS/GRPS
  - **D.** APN: Broadband
  - E. Remaining fields empty

				Fig. 6		
OpenWrt	Status <del>-</del> Sy	rstem - Services -	Network -	Logout		AUTO REFRESH O
WAN WAN	6 4G	LAN				
nterfaces On this page you ca network interfaces s	an configure th separated by s	ne network interfaces. Yo spaces. You can also use	ou can bridge se ≥ <u>VLAN</u> notation	averal interfaces by ticking the "b INTERFACE.VLANNR (@g.; ethe	ridge interfaces" field and enter the na	ames of several
Common Co	nfiguratio	n				
General Setup	Advanced	Settings Firewall S	Settings			
	Status		3g-4g	RX: 0.00 B (0 Pkts.) TX: 0.00 B (0 Pkts.)		
	Protocol	UMTS/GPRS/EV-DO	Ŧ			
Mo	odem device	/dev/ttyUSB2	Ŧ			
S	Service Type	UMTS/GPRS	Ŧ			
	APN	broadband				
	PIN					
PAP/CHA	P username					
PAP/CHA	P password		i	ୟ ୨	(A)	
					4	
					Save & Apply Save & Apply	ave Reset

8. Click Save & Apply (Fig. 6A) button.



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**9.** At the top menu bar of the web page select Network (Fig. 7A) then select Wifi in the dropdown menu (Fig. 7B).

	Fig. 7
OpenWrt Status - System - Services	s → Network → Logout
WAN WANG 4G LAN	Vinterfaces
Interfaces	Switch DHCP and DNS
Interface Overview	Hostnames Static Routes

**10.** Select the Edit (Fig. 8A) button in the Wireless Overview.



**11.** In the Device Configuration, General Setup, make sure the HT Mode field is HT20 (Fig. 9A).

					FIG. 9				
OpenWrt	Status <del>-</del>	System -	Services -	Network -	Logout				AUTO REFRESH ON
ra0: Master "WiF	i_On_the	Go_6d00"							
Wireless I The Device Configu defined wireless ne Configuration.	Netwo uration sect tworks (if th	)rk: Ma tion covers ph he radio hard	ster "W hysical setting ware is multi-	VIFI_On is of the radio I SSID capable)	_the_Go hardware such a ). Per network se	<b>_6d00" (r</b> s channel, transm ttings like encrypti	<b>a0)</b> It power or anten on or operation r	na selection which node are groupe	ch is shared among all d in the <i>Interface</i>
General Setup	guratio	n							
	Statu	ïS	Mode: M 0% BSSID: 7 Channel Signal: - Bitrate:	laster   <b>SSID:</b> \ 78:A3:51:4E:6[ <b>:</b> 1   <b>Tx-Powe</b> r 95 dBm   <b>Nois</b> 144.0 Mbit/s   0	WiFi_On_the_Go D:00   Encryptio r: 20 dBm se: -95 dBm Country: US	o_6d00 n: None			
Wireless networ	k is enable	d 🙆 Dis	able						
	Channe	auto		Ψ.					
Tx	Power(mv	/) 100							
	Mod	e 802.11k	bgn	Ŧ	]				
	HT Mod	e HT20		Ŧ	┣━	A			
C	ountry Cod	e US							



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**12.** Scroll down to the Interface Configuration, General Setup, and change the ESSID (Fig. 10A) to match the SSID on the label (Fig. 11A) of the OneControl ConnectAnywhere.

		Fig. 10
Interface Cont	figuratior	1
General Setup	Wireless S	Security Advanced Settings
	ESSID	WiFi_On_the_Go_6d00
	Mode	Access Point
	Network	🗹 🛛 Ian: 🕎 🙊
		wan: 🕎
		wan6: 🔎
		Create:
		② Choose the network(s) you want to attach to the second secon



**13.** Click on the Wireless Security tab (Fig. 12A) next to the General Setup.

			Fig. 12		
Interface Con	figuration				
General Setup	Wireless Secu	ity Advanced Settings			
A	Encryption Wi Cipher Fo	PA2-PSK rce CCMP (AES)	v		
	Key		₹ <u>₽</u>	B	
				Save & Apply	Save Reset

- 14. Make sure the fields in the Wireless Security tab are completed as follows;
  - A. Encryption: WPA2-PSK
  - **B.** Cipher: Force CCMP (AES)
  - **C.** Key: Change to match the password (Fig. 11B) on the label of the OneControl ConnectAnywhere device being reset.
- **15.** Click Save & Apply (Fig. 12B) button.

The cellular gateway should then operate as expected.

As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at (574) 537-8900 or by email at <u>customerservice@lci1.com</u>. Self-help tips, technical documents, product videos and a training class schedule are available at <u>lci1.com</u> or by downloading the MyLCI app.