

JAVAD GNSS INC.

Configuring the Cellular Modem on the Triumph LS or LS Plus

Using RAMS, an interactive remote assistance tool



Thank you for time and interest in our company.

This presentation is going to introduce you to our system interface for the purpose of configuring the cellular modem using our Remote Assistance and Monitoring Service (RAMS). We are able to access our receiver's user interface as long as the receiver has an internet connection, whether it is LAN, WLAN, or Cellular. When setting up new equipment with a new sim card the customer will likely need to connect to LAN or WLAN initially.



Introducing RAMS

RAMS

Remote Assistance & Monitoring Services

<https://www.javad.com/jgnss/javad/news/pr20150521.html>



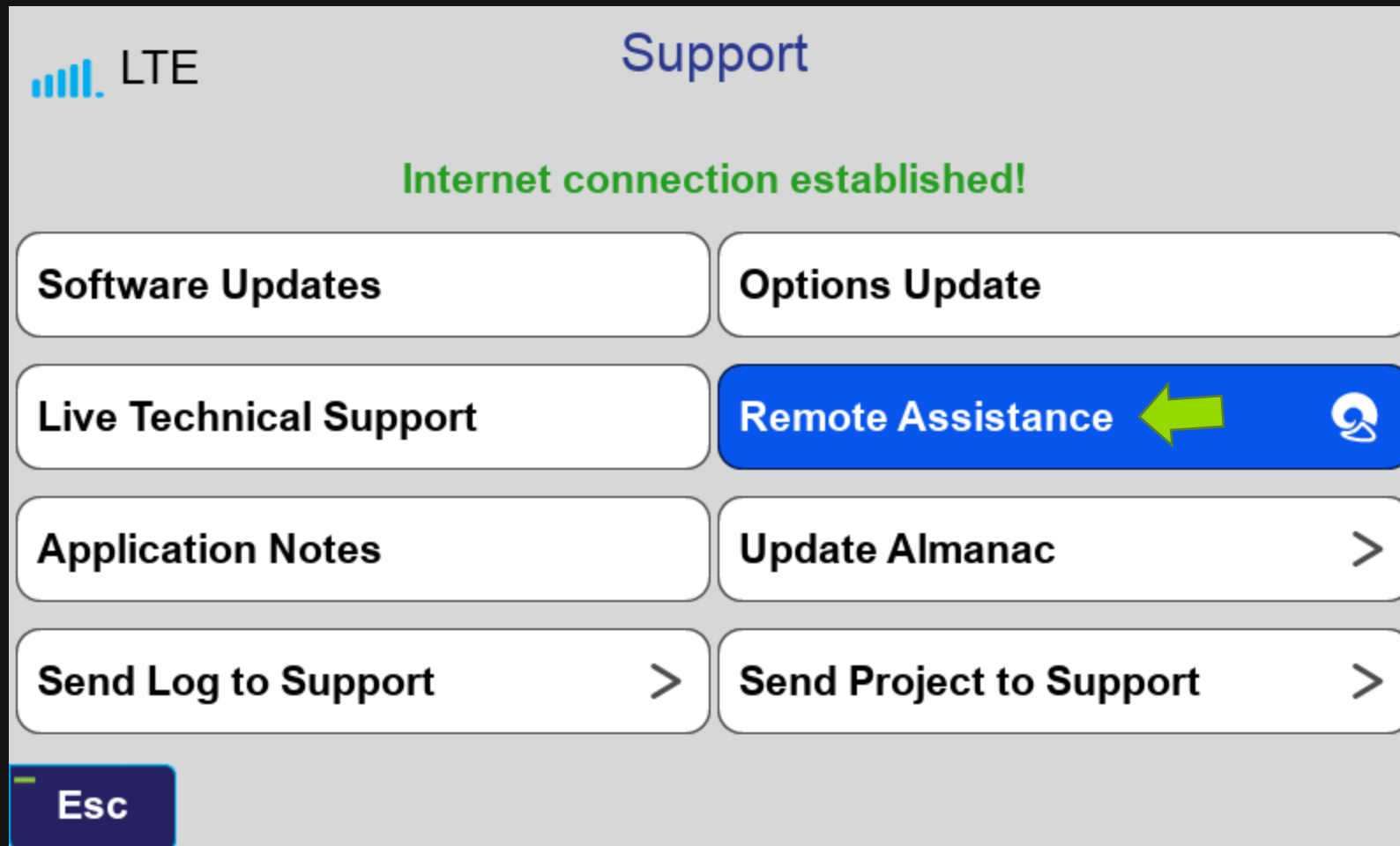
How initiate RAMS in JField

- The next few slides show the steps the customer will take to initiate RAMS. An internet connection to WLAN or LAN must be available initially. The LAN and WLAN settings are the 1st and 2nd icon from the left along the Top of the touch screen.

- Tap Support



Tap Remote Assistance



Tap Custom Server then tap Server Address

Remote Assistance

JAVAD GNSS, INC ☐

Custom Server ☒

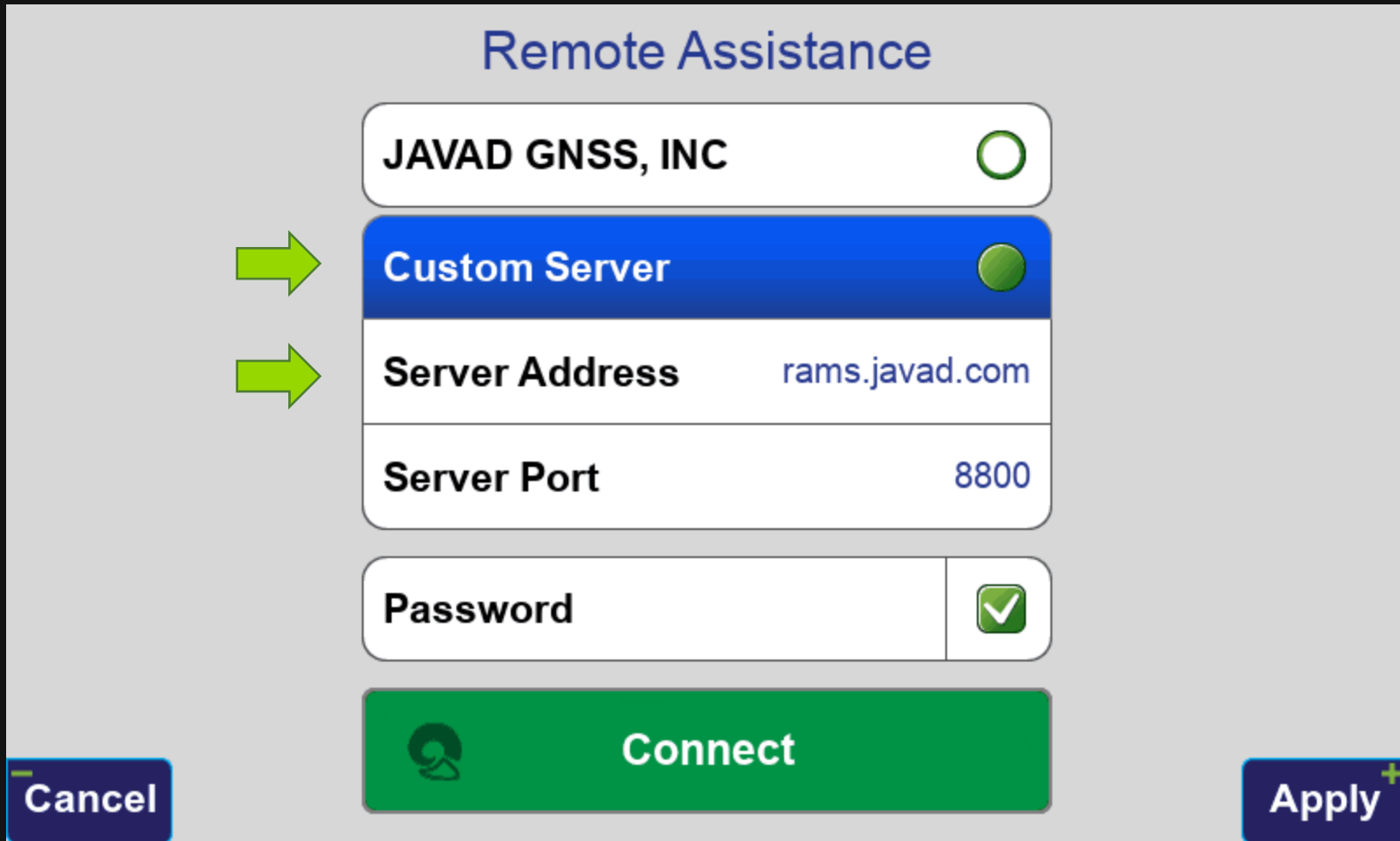
Server Address rams.javad.com

Server Port 8800

Password ☒

Connect

Cancel Apply⁺







Tap IP to change it to DN.



 MS	IP	<u>0</u> .0.0.0								 MR
1	2	3	4	5	6	7	8	9	0	
q	w	e	r	t	y	u	i	o	p	
a	s	d	f	g	h	j	k	l	/	
: -	z	x	c	v	b	n	m	.	Ovr	
Esc	Clr	<	Space				>		OK	

Enter the Domain shown below

 MS	DN	<input type="text" value="rams.javad.com"/>								 MR
1	2	3	4	5	6	7	8	9	0	
q	w	e	r	t	y	u	i	o	p	
a	s	d	f	g	h	j	k	l	/	
: -	z	x	c	v	b	n	m	.	Ovr	
Esc	Clr	<	Space				>		OK	

Tap Server Port

Remote Assistance


JAVAD GNSS, INC ☐

Custom Server ☒


Server Address rams.javad.com

Server Port 8800

Password ☒

 **Connect**

Cancel **Apply⁺**



Set the Port to 8800

TCP Port: 8800

		7	8	9		
		4	5	6		
MS	MR	1	2	3		
Esc	Clr	<	0	▶	>	◀X
					OK	

Tap Connect

Remote Assistance



JAVAD GNSS, INC ☐

Custom Server ☒

Server Address rams.javad.com

Server Port 8800

Password ☒

  **Connect**

Cancel **Apply⁺**

Remote Assistance

JAVAD GNSS, INC



Custom Server



Server Address rams.javad.com

Server Port 8800

Password



Disconnect

00:53:48

Cancel

Apply⁺

How to Connect to RAMS using a browser



- The next few slides will show the steps that remote support will use to access the system
- Chrome
- Internet Explorer
- Navigate to Remote Assistance & Monitoring Services (RAMS)
(<http://www.javadgnss.net/rams-viewer/>)

Server connections

Add connection, e.g. localhost:8800



En Settings

Status

☒ rams.javad.com:8800 Connected



Receivers

Operator	Model	Serial	Status	Viewers	Secure
Eugene	Triumph-LS Plus	00009	Connected	0	
Suttles Survey 884	Triumph-LS Plus	00884	Connected	0	
Brent	Triumph-LS Plus	01014	Connected	0	
Waylon	Triumph-LS Plus	00734	Disconnected	1	
Goodwin Winn Ls+	Triumph-LS Plus	01016	Connected	1	
ADAM PLUMLEY PLS-4959...	Triumph-LS Plus	00960	Connected	0	

Under Server connections type **rams.javad.com:8800** and tap the plus button.

Then tap on the rams.javad.com:8800 option in the list.

To the right you will see the connected users.

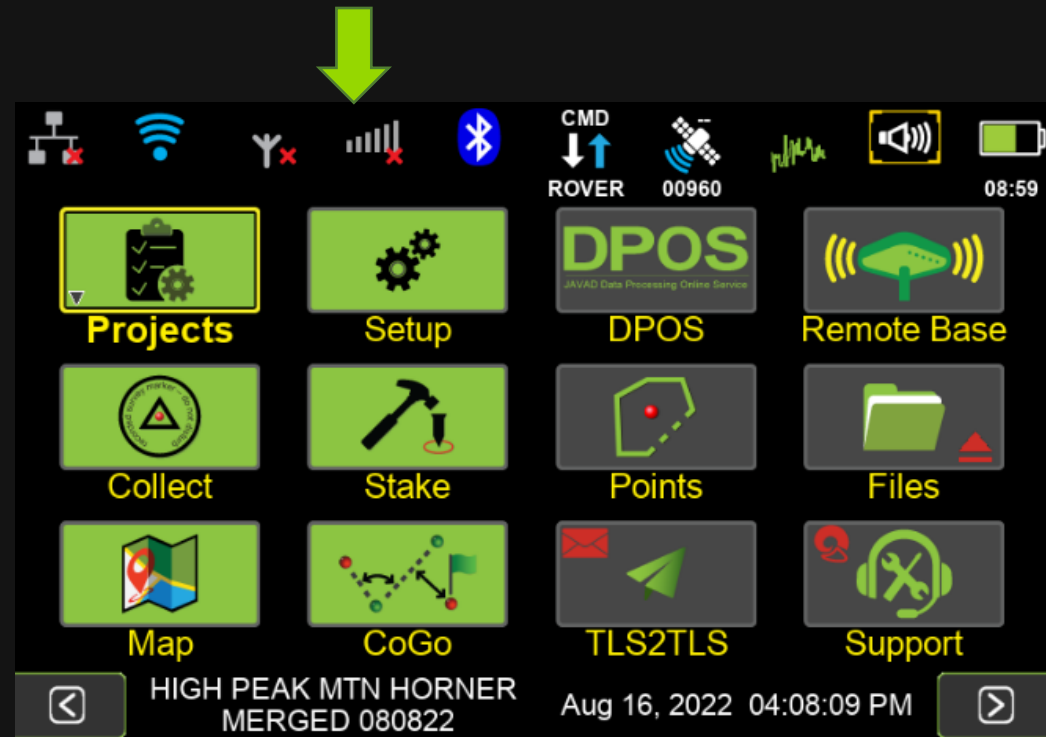
Tap on the correct one.

You will be prompted for the user's RAMS password.

Once connected you will be able to control the unit by tapping on the screen. To access the cellular configuration of the LS tap the Home Icon on the right.





Tap the Cellular Icon (4th from the left along the top of the touch screen)



Tap on the Settings icon

GSM



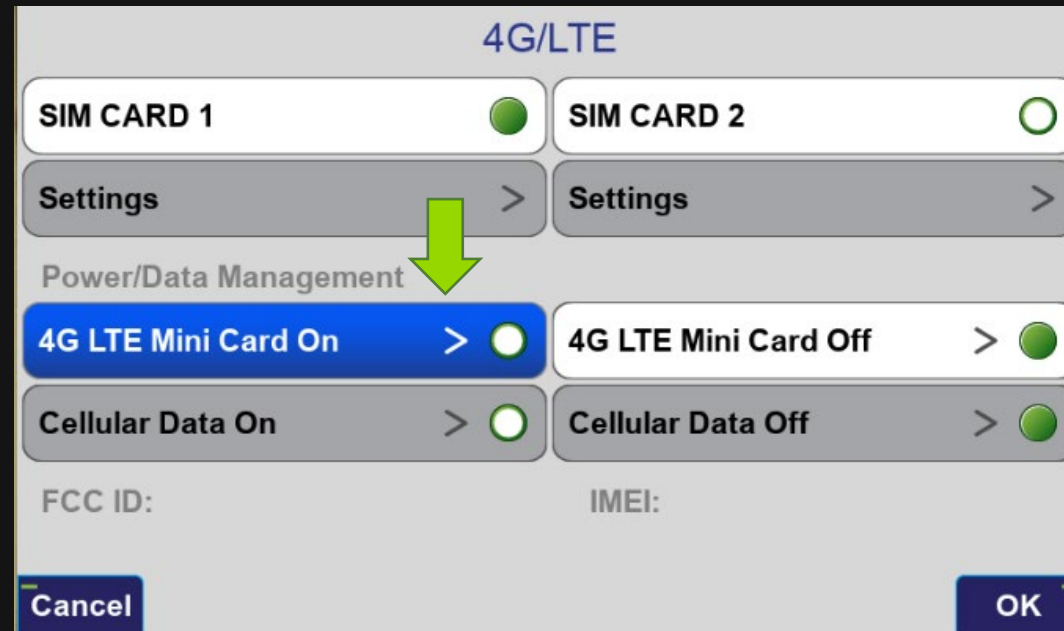
 Settings

Power	Off		
Active Slot	SIM 1		
SIM Card			
Operator			
APN			
Network	Disabled		
Coverage, RSSI			
Data Link			
IP Address			
Subnet Mask			
Default Gateway			
DNS1			
DNS2			

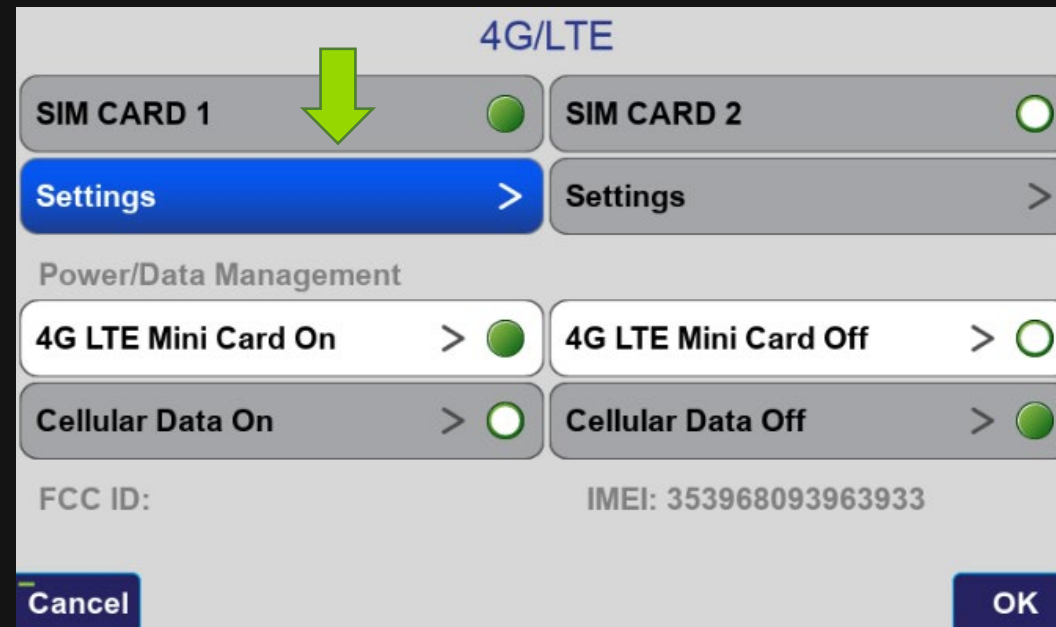
Esc

Stat⁺

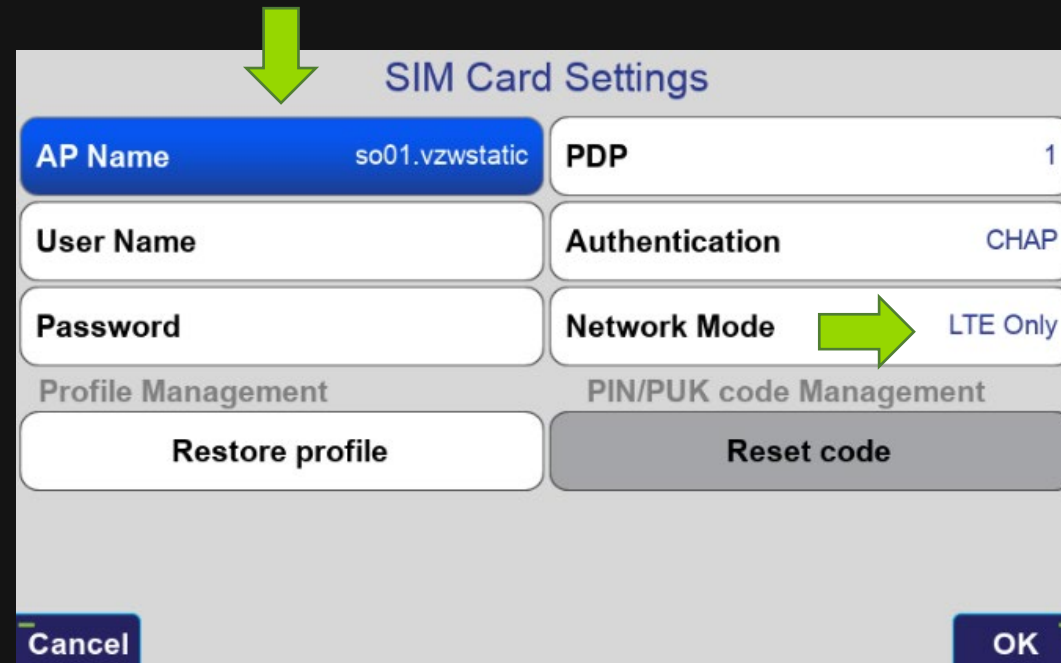
Select the sim slot with an active sim card inserted and tap 4G LTE Mini Card On



It will take a few seconds for it to turn on. Once on the Settings Icon will highlight. Tap Settings.



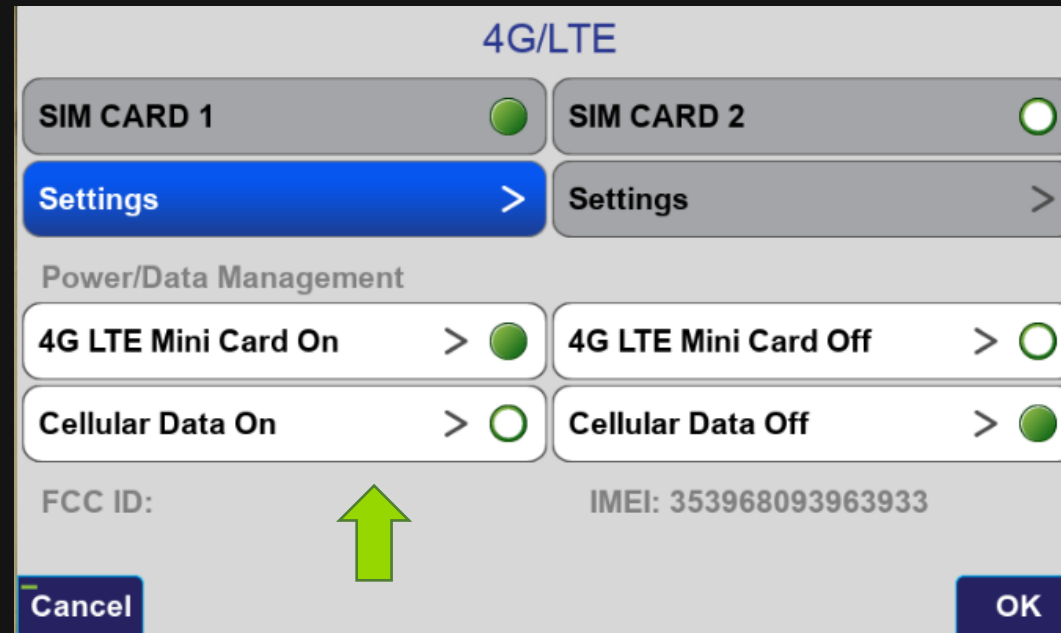
Tap AP Name and enter the apn of the sim card. Tap Network Mode and set to LTE only. Tap OK.



The image shows a 'SIM Card Settings' dialog box. A green arrow points down to the 'AP Name' field, which contains 'so01.vzwstatic'. Another green arrow points right to the 'Network Mode' field, which is set to 'LTE Only'. The dialog box has a 'Cancel' button at the bottom left and an 'OK' button at the bottom right. There are also sections for 'Profile Management' (with a 'Restore profile' button) and 'PIN/PUK code Management' (with a 'Reset code' button).

SIM Card Settings	
AP Name so01.vzwstatic	PDP 1
User Name	Authentication CHAP
Password	Network Mode LTE Only
Profile Management	
PIN/PUK code Management	
Restore profile	Reset code
Cancel	OK

Confirm that customer has the external cell antenna connected. Tap Cellular Data On and Tap OK



IP address and cell connection info will be shown on the left side

GSM		Settings	
Power	On		
Active Slot	SIM 1		
SIM Card	Present		
Operator	Verizon		
APN	so01.vzwstatic		
Network	Registered		
Coverage, RSSI	LTE, -80 dBm		
Data Link	Ready		
IP Address			
Subnet Mask			
Default Gateway			
DNS1			
DNS2			
Esc		Stat +	

