

Product Name: Trimble R10 Trimble Access

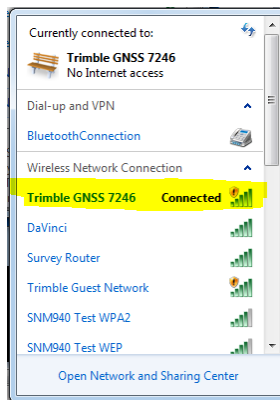
## Question

- How can I use my Trimble R10 as a hot spot for devices such as computers, data collectors, and phones etc?

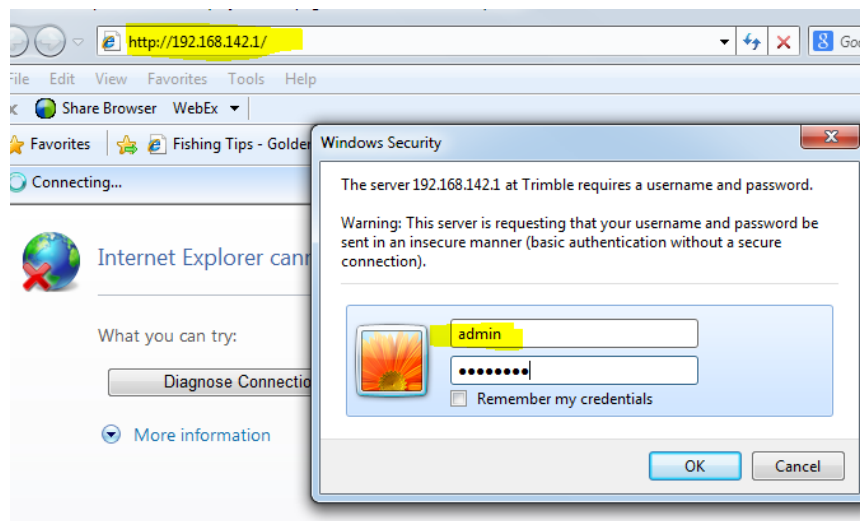
## Answer

You can set the R10 up using the onboard WebUI.


- From the off position on the R10 place the SIM card with an activated plan inside the SIM card slot on the R10 located in the battery compartment. Once inserted, power the R10 on and ensure the WIFI is activated. You should see the “WIFI” icon flashing. See the R10 manual for more information on the LED behavior.
- With the WIFI enabled, on your Computer or Smart Phone search for all wireless networks. You should see the wireless option for the R10 identified as Trimble GNSS XXXX as seen in the example below. Go ahead and select this option and make the connection to your R10.



- Once connected, you can now open up your Internet browser such as Windows Explorer and type the IP address for the R10 into the address bar. Please note, the IP address by default is **192.168.142.1**. The default username and password are “**admin**” and “**password**”



4. You should now be connected to the receiver via the receiver's WebUI. Go to the GSM/GPRS Modem option and click on "Summary". You should now see an indicator showing that your SIM card is operational and has adequate coverage. If you don't see this, you may want to ensure your SIM is inserted correctly or you are in an area with good cell coverage.

Bluetooth	Modem Power State: On
Radio	Modem IMEI: 356265020699038
GSM/GPRS Modem	GSM Radio Band: 850/900/1800/1900 MHz
Summary	Connection Type: HSDPA(3G/4G)
Configuration	Modem Current Operator Select: Automatic
OmniSTAR	User Requested Operator Select: Force to automatic
Network Configuration	Modem H/W: Telit (UC864-G) (08.01.107)
Wi-Fi	Received Signal Strength Indication (RSSI): (-55 dBm) 
Security	SIM Status: OK (PIN verified or not required)
Firmware	SIM ID: 310410125866064
Programmatic Interface	Service Operator: Cingular
DI / VFD	PPP: Disconnected
Help	PPP/Data Channel: UMTS USB channel
Test	UMTS USB Driver: Ready

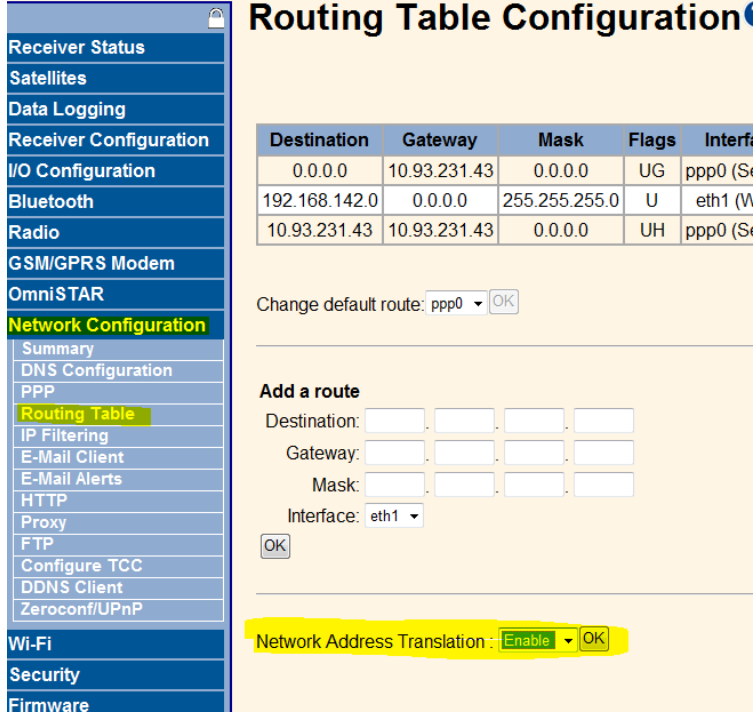
5. Now click on "Configuration" under the GSM/GPRS Modem option. Here you can enter your cell provider's internet settings, or you can select the "Change GPRS Service" selection box, and the WebUI will automatically populate the needed fields. You can then make simple edits to make the connection.

Receiver Configuration	PPP: Disconnected
I/O Configuration	Country: USA Provider: AT&T Plan: non-contract
Bluetooth	Access Point Name: WAP.CINGULAR
Radio	CID: 1
GSM/GPRS Modem	GPRS Username: WAP@CINGULARGPRS.COM
Summary	GPRS Password: .....
Configuration	Verify GPRS Password: .....
OmniSTAR	Auto Restart: <input type="checkbox"/>
Network Configuration	Use as default route: <input checked="" type="checkbox"/>
Wi-Fi	<input type="button" value="Connect"/> <input type="button" value="Disconnect"/> <input type="button" value="Save"/>
Security	<input type="button" value="Reset Modem"/>
Firmware	
Programmatic Interface	
DI / VFD	
Help	

6. Now hit "Connect" and the receiver/SIM should connect up. You will know you've made a connection to the providers network by seeing the "PPP : UP and Connected" line as seen below.

Receiver Configuration	PPP: Up and connected
I/O Configuration	Change GPRS Service: <input type="checkbox"/>
Bluetooth	Access Point Name: WAP.CINGULAR
Radio	CID: 1
GSM/GPRS Modem	GPRS Username: WAP@CINGULARGPRS.COM
Summary	GPRS Password: .....
Configuration	Verify GPRS Password: .....
OmniSTAR	Auto Restart: <input type="checkbox"/>
Network Configuration	Use as default route: <input checked="" type="checkbox"/>
Wi-Fi	<input type="button" value="Connect"/> <input type="button" value="Disconnect"/> <input type="button" value="Save"/>
Security	<input type="button" value="Reset Modem"/>
Firmware	
Programmatic Interface	
DI / VFD	

7. Now go to the “Network Configuration” option, and select “Routing table”. Here you need to enable the “Network Address Translation” option. Don’t forget to hit the “OK” button.



**Receiver Status**  
**Satellites**  
**Data Logging**  
**Receiver Configuration**  
**I/O Configuration**  
**Bluetooth**  
**Radio**  
**GSM/GPRS Modem**  
**OmniSTAR**  
**Network Configuration**  
 Summary  
 DNS Configuration  
 PPP  
**Routing Table**  
 IP Filtering  
 E-Mail Client  
 E-Mail Alerts  
 HTTP  
 Proxy  
 FTP  
 Configure TCC  
 DDNS Client  
 Zeroconf/UPnP  
**Wi-Fi**  
**Security**  
**Firmware**

## Routing Table Configuration

Destination	Gateway	Mask	Flags	Interface
0.0.0.0	10.93.231.43	0.0.0.0	UG	ppp0 (S
192.168.142.0	0.0.0.0	255.255.255.0	U	eth1 (W
10.93.231.43	10.93.231.43	0.0.0.0	UH	ppp0 (S

Change default route: ppp0

**Add a route**  
 Destination:  .  .  .   
 Gateway:  .  .  .   
 Mask:  .  .  .   
 Interface: eth1

Network Address Translation: **Enable**

Once enabled, you should now be able to use the R10 as a hotspot as seen below.

