

Trimble Access RTKNET Setup

Internet Setup using TSC3 internal modem

1. Open Trimble Access and click on Internet Setup. 2. Click New/Edit.



2. Click Next

🛞 Internet	t Setup	→ Ø ? ×
Select mo	dem	
Port:	Internal modem	
My r	nodem requires a PIN	
Cancel		Next 🔶





3. Pick your Home network (usually USA), then pick the service provider you are using (usually AT&T or Verizon), and finally you can pick your plan (APN). For AT&T you have 3 APN options:(It all depends on how AT&T setup your SIM card, so you may have to try all 3)

"Non-Contract" = WAP.CINGULAR

"No Acceleration" = ISP.CINGULAR

"With Acceleration" = BROADBAND

(For Verizon you can just pick "default")

-The first two are already pre-setup, but the 3rd, "BROADBAND" must be setup.

🔊 Internet Setup	×
Select service	
Home network location:	
USA	
Service provider:	
AT&T	
Plan:	
with acceleration	
Add service provider Detect	
Cancel 🔶 🔶 Cancel	

4. Once "with acceleration" has been selected, click "Add service provider." Delete "ISP.CINGULAR" in the APN and type in "BROADBAND" (All Caps). Click "User Details" and delete everything out of both boxes. Now click "OK".

Add a new service provider	🛞 Enter user details 🛛 🔊 🖉 ? 🗙
Location: Dial string:	Username:
USA	
Service provider: APN:	
AT&T BROADBAND	Password:
Plan:	
with acceleration	/
User Details	
Cancel	Cancel



5. You should be back at the "Add a new service provider" screen and click "Add". Now it will bring you back to the "Select Service" page. Ensure "with acceleration" is selected for the plan and click "Next".

Add a new service provider → Ø ? ×	Internet Setup
Location: Dial string: USA 99***1#	Select service Home network location:
Service provider: APN: AT&T BROADBAND	Service provider:
Plan: with acceleration	Plan: with acceleration
User Details	Add service provider Detect
Cancel	Cancel 🔶 Back Next 🔶

 Leave the connection name as Internal Modem and click Finish. (If it asks you to overwrite the connection...Just say "Yes")





7. After it finishes configuring the new connection, click "Connect"

📚 Internet Setup 🔗 🕕 ? 🗙
Connect using:
Phone / Modem Wi-Fi
GPRS Connection:
Internal modem 💌 New/Edit Delete
Internet not connected
Connect

8. Once connected your screen should look like this.

🗞 Internet Setup 🦪 🕘 ? 🗙
Connect using:
Phone / Modem Wi-Fi
GPRS Connection:
Internal modem 💌 New/Edit Delete
Internet connection (Internal mo) established
Hang up

If the connection doesn't connect, try the "no acceleration" or "non-contract" APNs, these are the two most common. If it still doesn't connect, pull the battery and check the SIM card and reinsert the battery. Once the TSC3 boots up and Access opens, go back into Internet Setup and try to connect again.

*Whenever you have Internet Connection problems...you can go into Internet Setup, edit the "Internal Modem" connection and try the different Plan's, "no acceleration", "non-contract", or "with acceleration" (always leave the name as "Internal Modem") * Always remember to Reboot as well!

If it still doesn't connect, check with your service provider to make sure the SIM card is programmed properly.



Creating the Survey Style & GNSS Contact

1. Click Settings then Survey Styles.



2. Click "New", Name the survey style "RTKNET" and select GNSS for the Style type.

Survey Styles		→ Ø	? — ×	Style details → Ø ? – ×
Name	Size	Modified	Location	Style name:
IS Rover	2kb	2/15/2016	\Trimble [
RTK & INFILL	2kb	3/12/2016	\Trimble [Style type:
VX & S Series	2kb	2/15/2016	\Trimble [GNSS V
Esc New Copy	Delet	te Options	Edit	Esc V Accept



3. Edit the Rover Options. Page 1 should look like this...

RTKNET →	? _ ×	Rover options	→ Ø ? – ×
Rover options 🖕		Survey type:	Broadcast format:
Rover data link		RTK 🔻	VRS (CMR)
Base options		Store points as:	
Base data link		Vectors 🔻	
Compensated point		Elevation mask:	
Topo point		10°	
Observed control point		PDOR maski	
Rapid point			
Continuous points		0.0	
Stakeout			
Site calibration	\sim		1/4
Esc	Edit	Esc	Accept
Store			

Page 2 and 3 should look like this, depending on what receiver you have.

Sover options → Ø ? - ×	Rover options →
-Antenna	-Antenna
Туре:	Туре:
R8-4 Internal	R8-4 Internal
Bottom of antenna mount	Bottom of antenna mount
Antenna height: Part number:	Antenna height: Part number:
6.362Sπ ► 83743-10	6.362Sπ ► 83745-10
2 ^{/3}	
Esc Accept	Esc Accept

Click Accept



4. Go into Rover Data Link. Set the "Type" to Internet Connection. Next click the arrow in the GNSS Contact box.

🛞 RTKNET 🛛 🎝 🖉	? – X	Rover data link	- ×
Rover options	~	Туре:	ን 82%
Rover data link		Internet connection 🔻	
Topo point			
Observed control point		GNSS contact:	
Rapid point		?	
Continuous points			
Stakeout		Prompt for GNSS contact:	
Site calibration			<u>M</u> ap
Duplicate point tolerance		1 <u>e</u> nu	
Laser rangefinder		Fay	vorites
Echo sounder			
NMEA outputs			itch to
ESC Store	Edit	ESC	nter

5. Click "New", enter the name RTKNET, and click the arrow next to the Network Connection box.

🛞 GNS	S contacts		→ ⊘	? — X	۲	Edit GNSS contac	t 🎝		? – ×
Name			Туре		Nam	e:			
					Netw	ork connection:	Modem PIN:		
					?	•			
						N.			
									1/3
				_					•
Esc N	ew Delete	Сору	Edit	Accept	Esc				Enter



6. Select Internal Modem.

(Network connection	→ ⊘	? – ×
	Network connection		
	Internal modem		
	Wi-Fi, ActiveSync		
Fee			Accort
ESC		Config	Ассерг

7. Page one should match below

Edit GNSS contact	-> 🕗 ? — X
Name:	
RTKNET	
Network connection:	Modem PIN:
Internal modem 🕨	
	1 ^{/3}
	*
Esc	Store





8. Page 2 will have the VRS Username/Password.

🛞 E	Edit GNSS contact	→ Ø	?	_	×
_Γ NTR	IP Configuration——				
Use F	RTX (TGIP):	Use NTRIP:			
Use 1	NTRIP v1.0:	Use proxy server:			
Conn	ect directly to Mountpoint:				
NTRI	P username: SUSER	NTRIP password: *****		2	2/3
Esc]	inte	r

9. Page 3 should have the IP Address and Port

😰 Edit GNSS	contact		- > Ø	? – ×
IP Address:	_	IP Port:		
rtknet.com		2101]
Send user identity inf	ō:			-
				3/3 ×
Esc	1			Enter





10. Click Accept and the Rover Data Link and your GNSS Contact will be populated with the RTKNET Contact. Click Accept.

GNSS contacts	→ Ø ? – ×	🛞 Rover data link 🛛 🌖 🥥	? — ×
Name	Туре	Type:	E 81%
RTKNET	Internet rover		
		GNSS contact:	
		RTKNET 🕨	
		Prompt for GNSS contact:	
			Мар
			Menu
			F <u>a</u> vorites
			S <u>w</u> itch to
			••
ESC New Delete Copy E	dit Accept	ESC	Ассерт

11. Now the Survey Style is setup. Click Store

🛞 RTKNET 🛛 🔊 🖉	? – ×
Rover options	~
Rover data link	
Topo point	
Observed control point	
Rapid point	
Continuous points	
Stakeout	
Site calibration	
Duplicate point tolerance	
Laser rangefinder	
Echo sounder	
NMEA outputs	
Esc Store	Edit