

# Q&A: Venus work with T/N series receiver

### Date: February 16, 2023

In point to point mode, the correction data is transmitted from the base station to the server, then rovers can log on the server to get the correction data.

*Tip: ComNav technology provides a free static server address, anyone can upload CORS data as long as abide by the agreement.* 

#### • Preparation

One T/N series receiver as a Base One Venus as a Rover One SIM card, need to insert in T/N series receiver

## • Configure T/N series receiver as a Base

- 1. Insert SIM card in T/N series receiver before power on T/N series receiver
- 2. Configure T/N series receiver as a Base

The following figures show the Base configuration with internal GSM transmission in Survey Master.

- (1) Connect T/N series receiver by Bluetooth in Survey Master
- (2) Set up Base internal GSM mode



# FAQ - Technical Document



← Datalin	k type	← Base	
Datalink type	Internal GSM >	Datalink type	Internal GSM >
Protocol	SinoGNSS >	Protocol Port	CORS rtk.sinognss.com:8888
APN	CMNET	Differential mode	RTCM3.2 >
Server	SINOGNSS -	Start mode	Fix position >
DNS/IP address	rtk.sinognss.com	Mask angle	10  ×
Port	8888		
BaseName	T31U02577 - 🗸		
Confirm			Save

Below shows Base configuration with ComNav server:

- Server: select SINOGNSS server(rtk.sinognss.com and Port:8888)
- **BaseName**: Click BaseName download icon to get SN of Base receiver directly, when start Rover, just select the name as source
- Differential mode: make sure to choose *RTCM32*

• Fix Position: Click *Library choose* to select a known point for the Base, or *Get* from GNSS if you do not have a known point.

← FixPosition		← Base	Help	Ξ	ComNav	0
Base station coor	Library choose Receive	Current Mode: Base-Internal GSM Work mode list		OBase	28	H:1.803 7
Name	Base:p0 ×	Base Config		N: 3469663.2	66	7:44 412
Code		1 Forward service connect		E. 337 304.13	0	2.44.413
Display type	Local grid coordinate >	<ol> <li>Prepare network</li> <li>Succeed!</li> </ol>	~	Connection	Pawar	Rang
N	3469663.266	2 Setup receiver parameter	s 🗸	Connection	Kovei	Dase
E	337584.136	3 Generate Base	~	9	3	ස්
Z	44.452	BaseName: T31U02577		Device Info	Position Info	Register
Slant(S)	1.800	Do you want to disconnec base and go to rover settin	t with the ng?	Static	More	
	O Pole height(H) 💿 Slant(S)	No	Yes	Static	More	
Antenna type	T300 Plus(NGS) >					
	ок	Add	Apply	Project	Device Surve	y Tool

## FAQ - Technical Document



#### • Configure Venus as a Rover

1. Make sure your controller can access to internet via SIM card or Wi-Fi, then run Survey Master.

- 2. Set up Configure Venus as a Rover
- (1) Connect Venus by Bluetooth in Survey Master
- (2) Set up Rover PDA CORS mode

Ξ	ComNav	8	÷	Rover	Help
©Single D:99 N:3469662.20 E:337581.047	29 29 2	H:0.087 V:0.121 Z:43.279	Current Work mo	Mode: de list Default: Radi Internal radio: (	oMode 5/460.0500MHz
Connection	Rover	Base	Ø	Default: Inter SinoGNSS://rti	nalGSM(ComNavServer) .sinognss.com:8888/
Device Info	Position Info	Register			
Static	More				
Project D	evice Surve	y Tool		Add	Apply

Below shows Rover configuration with ComNav server:

• Server: select SINOGNSS server(rtk.sinognss.com and Port:8888)

• **Source List**: Click Source List download icon to get all source list, and choose the same Base name you set up in Base

🔶 Datalin	k type	
Datalink type	PDA CORS	>
Protocol	SinoGNSS	>
	APN	ବ୍ଧ
Server	SINOGNSS	
DNS/IP address	rtk.sinognss.com	
Port	8888	
Source List	T31U02577	<u> </u>

## FAQ - Technical Document



# • Finish all configuration

After set up Rover PDA CORS mode of Venus, you can check the status of Venus. It should be fixed.

