Network port connection to PC

- 1. Power on the receiver and connect it to PC through the connection cable and install the network driver (right now, we only support XP and WIN7, for 64 bit OS, there are independent driver)
- 2. In the network connection of your PC, you'll see a new network connection appears



3. Sometimes, the PC cannot detect the receiver by network port because the connection is having problems acquiring IP automatically, to avoid such problem, we can set a static LAN IP for the connection: right click the local area connection 31-properties-double click internet protocol (TCP/IP)-use the following IP addresses

🚣 Local Area Connection 31 Properties 🔋 🔹
General Advanced
Connect using:
Einux USB Ethernet/RNDIS Gadget
This connection uses the following items:
🗹 👵 QoS Packet Scheduler 📃
I REAL AFGIS Protocol (IEEE 802.1x) v3.7.5.0
🗹 🐨 Internet Protocol (TCP/IP)
I <u>n</u> stall <u>U</u> ninstall P <u>r</u> operties
Description
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
Show icon in notification area when connected
Notify me when this connection has limited or no connectivity
OK Cancel

Internet Protocol (TCP/IP) Properties						
General						
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.						
□ ● Use the following IP address: □						
<u>I</u> P address:	192.168.155.2					
S <u>u</u> bnet mask:	255.255.255.0					
Default gateway:	192 . 168 . 155 . 155					
C Obtain DNS server address automatically						
Use the following DNS server add	dresses:					
Preferred DNS server:	· · ·					
Alternate DNS server:	· · ·					
Ad <u>v</u> anced						
OK Cancel						

4. After that, run IE browser, input IP 192.168.155.155 to access to the web server

Username: Password:	
Login Reset	

5. The default username and password are admin. After login, we can do the configurations in the web server

	admin 866265123180302 [<u>lo</u>	gout]	> Position Information			
	Status		Location:			
*	Configuration		Lat: 23" 7' 33.880257" N	Lon: 113" 22' 6.011459" E	Alt: 31.681396 m	Ellipsoid: WGS-84
	7	_	RTK Status:			
*	Satellite Information	•	Solution: Autonomous	Correction Delay: 99	HRMS: 1.291	VRMS: 1.669
<u>.11</u>	Data Record	e	Base X:6378137.000000	Base Y: 0.000000	Base Z:0.000000	Base ID: NONE
显	Data Transfer	•	Diff. format : NONE			
۲	Network Config	•	Tracked Satellite(26):			
£	Firmware Update	•	GPS (9) : 3, 14, 16, 22, 26, 27, 3	29, 31, 32	GLONASS (7): 6, 7, 9, 10, 16, 1	18, 19
25	User Management		BDS (10) : 1, 2, 3, 4, 5, 6, 7, 8,	9, 10	GALILEO (0):无	
?	Help	-	SBAS (0):无		QZSS (0):无	
			Used Satellite(26):			
			GPS (9) : 3, 14, 16, 22, 26, 27, 3	29, 31, 32	GLONASS (7): 6, 7, 9, 10, 16, 1	18, 19
			BDS (10) : 1, 2, 3, 4, 5, 6, 7, 8, 9	9, 10	GALILEO (0):无	
			SBAS (0):无		QZSS (0):无	
			Receiver Clock:			

6. Go to network config-wifi config, there are two modes, AP is for other device to connect the receiver through wifi; client is for the receiver to connect other wifi hot spot

admin \$66265123180302 [logou	▶ WIFI Config		
🖵 Status	Active:		
× Configuration	+ Work Mode:	● AP	
🚿 Satellite Information	±	e e e e e e e e e e e e e e e e e e e	
🛅 🛛 Data Record	AP_SSID:	SOUTH_0302	
💂 🛛 Data Transfer	AP_Password:	southgnss.com.cn	
	AP Encode:	Open	•
	AP Channel:	1	•
Blue Tooth Config	DHCP IP Range:	0/255.255.255.0	
	Ξ	0/255.255.255.0	
		 10. 1 1 . 0/255. 255. 255. 	
1 Firmware Update	=	Enter Cancel	
🐉 User Management	-	Caller	
? Help	.		

7. Switch the receiver into client mode and power off and on the receiver and go to this page again and click scan to detect the available wifi network

> WIFI Config				
Active:	✓			
Work Mode:	AP O Client	t		
Client_SSID:	southgnss	Scan	鍒樻澃鑽� iPhone ▼	
Password:	southgnss.com.cn		Click Here DisplayList 粱情猿鑽� iPhone Snowy	
Encryption Type:	WPA2		2-south ChinaNet-1 wxj bing	
DHCP :			FAST_98EC9A LINE_3	
IP Address:	0.0.	0	Xiaomi PRINT 鱖炵張鏄熺 L LieBaoWiFi196	
Subnet Mask:	255 · 255 · 255 ·	0	KK TP-LINK_tunan ChinaNet-HpJ9 holike_adm	
Default Gateway:	0 · 0 · 0 ·	0	1234 - 3941 gtsoft	
Status :	Connecting southgnss		6	
Signal:	¶ × ∎			
Clear SSID List:	ClearSSID			
Operation Tip:	When change wifi work mode from AP t	o Client, please	e reboot host to take effect	

8. Select and input the psw and click enter, it will connect to the hot spot automatically

Client_SSID:	Snowy		Scan	×
Password:	13570084320			
Encryption Type:	WPA2			
DHCP :				
IP Address:	192 · 168	· 1	· 115	
Subnet Mask:	255 · 255	- 255	· 0	
Default Gateway:	192 · 168	· 1	· 1	

Client_SSID:	Snowy Scan 🔹
Password:	13570084320
Encryption Type:	WP A2
DHCP :	
IP Address:	192 · 168 · 1 · 115
Subnet Mask:	255 · 255 · 255 · 0
Default Gateway:	192 · 168 · 1 · 1
Status :	Connected to Snowy
Signal:	Ψ
Clear SSID List:	ClearSSID
Operation Tip:W	'hen change wifi work mode from AP to Client, please reboot host to take effect
с	lient function!

9. After connecting to WIFI, the receiver will have access to internet. On the configuration-general config-set the receiver into Base WIFI

admin \$66265123180302 [lo	ogout] > General Gon	nfiguration		
Status	Registration			
 Configuration 		mber: S66265123180302		
General Config		Code: BAAC23371E955425DE	EDA3E218457C2911D5D	Register
Base Setup		Date: 20160821		
	OnlineRegistrat	tion: OnlineRegi		
	Deration	Tips: Use Online Reig Function	n, please Make Sure Networ	'k is Work Well!
Receiver Operate	Mode setting			
System Setup	Ξ			
🚿 Satellite Information	H Work M	Mode: Base	•	
Data Record	Data]	link: WIFI	•	
	Kadiolran	ster:		
Network Config	RTK Red	cord:		
		1PPS:		
1 Firmware Update	E	VENT:		
🐉 User Management	EVENT Polaz		•	
? Help		and and and		

Data transfer-ntrip config-use Ntrip server mode, we can upload the corrections into the CORS server

VEGONE	admin 866265123180302 [logout]	Mountpoint:					
	Status 🕂	GetPoint Status:	No Action				
×	Configuration 🕂	NtripServer:					
	-	Status :	Load Success				
Nr.	Satellite Information 🔒	Active:					
	Data Record 🛛 🚹	Ntrip Version:	NTRIP#1.0				
显	Data Transfer 🛛 🔽	Authentication Mode:	Z Esgle Mode LARK Mode				
	General 🚍	NtripCaster Address:	58.248.35.130				
	Serial port Config 📃 💻	NtripCaster Port:	2010				
	TCP/IP Config	User:	User and a second secon				
	NTRIP Config -		password				
	Network Config 🔒						
-		Access Point:	galaxylalala				
Î	Firmware Update 🔒	NtripCaster:					
U:	User Management 🔒	Status :	Disconnect				
?	Help 🚹	Active:	0				
Server: Eagl Date: 2016/05 Content-Type: Content-Lengt STR.RTCM30.RT STR.RTCM30.RT STR.RTCM32.HT STR.RTCM32.HT STR.RTCM32.HT STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.RTCM1021- STR.S48738107 STR.S48738107 STR.s000SSUMKS- STR.xtom455	SOURCETABLE 200 0X Server: EagleGnse=basic/160518 Date: 2016/05/26 10:30:11 Content-Type: text/plain Content-Type: text/p						
<pre>STR.storqefS9:scUEx.cUEx1(1),CUEx(0):2:0KSS:Emplores:CUEX[23,19:113,37:1:0;UEXSTF06124;none:N:N:9600; STR.s46F30107085055;45F30107083055;CUEX:CUEX1(1),CUEX(0):2:0KSS:Emplores:CUEX[23,10:113,37:1:0;UEXSTB141208;none:N:N:9600; STR.s46F30107085005;54F3012110911;RETUEX].S.UEX(1),CUEX(0):2:0KSS:Emplores:CUEX[23,11:113,44;1:0;UEXS0000106;none;N:N:9600; STR.s46F301200;UEX0EX:CUEX[11]0911;RETUEX].S.UEX0EX0EX0EX0EX0EX0EX0EX0EX0EX0EX0EX0EX0E</pre>							

10. If on the configuration-general setting, we set the receiver into rover WIFI function

Mode setting	
Work Mode:	Rover •
Datalink:	WIFI T
RadioTransfer:	
RTK Record:	
1PPS:	
event :	
EVENT Polarity:	Negative v
	Enter Cancel

Then on the Data transfer-Ntrip config-Ntrip client, we can input CORS IP, port, user name and psw, click get point to acquire source table and select one mount point to connect

> NTRIP Config				
NtripClient:				
Status :	Load Success			
Active:	•			
Authentication Mode:	Eagle Mode TCP/IP Mode	LARK Mode		
NtripClient Address:	58.248.35.130			
NtripClient Port:	2010			
User:	0262			
Password:	1216			
Mountpoint:	RTCM30	Get Point	0800_RTCM30	•
GetPoint Status:	Get Success		S48F38107083364 S48F38107083367 0800SCMRX xitong4S9	•
NtripServer:			S48F38107083365 S48139107085095	
Status :	Disconnect		S48153121119911 0800_MSM4 0800_RTD 2000SCMRX	
Active:	\bigcirc		0800_RTCM30 2000_RTCM30 galaxy	
Ntrip Version:	NTRIPv1.0	T	2000_RTD 0000SCMRX 2000 MSM4	
Authentication Mode:	Zegle Mode LARK Mode		S1111111188195 S4815A117085859 s82565117179525 S82-G2	.
NtripCaster Address:	58.248.35.130		502 02	

After click enter to confirmed the settings, go to position information, you'll see the receiver is connecting to CORS and get fixed solution

ELCOME	admin \$66265123180302 [log	iout]	> Position Information			
	Status		Location:			
	System Information		Lat: 23" 7' 33.900276" N	Lon: 113" 22' 6.126824" E	Alt: 31.252930 m	Ellipsoid: WGS-84
		Ξ	RTK Status :			
	Position Information	8	Solution: Fixed	Correction Delay: 1	HRMS : 0.008	VEMS: 0.015
*	Configuration	8	Base X: -2334976.806700	Base Y: 5384951.363400	Base Z: 2487862.695800	Base ID:0690
*	Satellite Information	E	Diff. format : RTCM			
(<u>+11</u>)	Data Record	•	Tracked Satellite(29):			
显	Data Transfer	8	GPS (9) : 3, 14, 16, 22, 23, 26, 2	7, 31, 32	GLONASS (9): 6, 7, 8, 9, 10, 16	, 18, 19, 20
۲	Network Config	8	BDS (11) : 1, 2, 3, 4, 5, 6, 7, 8, 9	, 10, 15	GALILEO (0):无	
±	Firmware Update		SBAS (0):无		QZSS(0):无	
8:	User Management		Used Satellite(17):			
	-		GPS (9): 3, 14, 16, 22, 23, 26, 2	7, 31, 32	GLONASS (8) : 6, 7, 8, 9, 10, 18	, 19, 20
?	Help	•	BDS (0):无		GALILEO (0):无	
			SBAS (0):无		QZSS(0):无	
			Province Clark			

And by connecting to the controller software, you can see the fixed solution and can use the receiver to work.



 If you are using the latest LBS android software, after switch the receiver into the client mode in WIFI config, you can also do such configurations in the LBE software Connect receiver in LBS software

😳 LBS Mana	
Current Equipme	ent \$66265123180302
	Working mode: Rover Datalink: WIFI Solution: Fixed Network state: Login Expired date: 20160821
Connection type	Bluetooth >
Device list	S66265123180302 >
Setting	Disconnect

Switch the data link into WIFI

Rover 2
Rover
3
3
WIFI
3
3
3
3

Go to network settings to input CORS parameters and WIFI hot pot parameters (the same detect, select and then input psw steps)

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< WIFI	MANAGE SAVE	<	WIFI Setting				WE.
IP	58.248.35.130	IP	Refresh WIFI lis	it			30
			FAST_98EC9A		5	0	
Port	2010	Po	ChinaNet-1		8 1	0	10
Username	usr	Us	Snowy			0	JSF
Password		Pa	OHYEAH		8	0	••
Mode	NTRIP >	Mc	кк		ê 1	0	>>
Sourcetable	RTCM30 >	So	wxj		8 1	0	15
Sourcetable	RTGM30 2		Xiaomi_PRINT		8 1	0	
WIFI Setting	Snowy >	WI	LINE_3			0	13
			holike_adm		8 3	0	
-			TP-LINK_tunan			0	
	Disconnect		<i>W</i>		-	~	

If the receiver has some problems connecting to PC directly, we can do as follows:

1. The default wifi configuration is AP mode, by this mode, you can connect the receiver through WIFI and input 10.1.1.1 in the browser to go to the web server, the username and psw are the same, admin



Login			\$ 0 00 (
Login			C
			8948 June
	3660P W	feb Server	
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2. Go to the network config-wifi config to switch the mode from AP into client and click enter to confirm, and then power off and power on the receiver, the rest wifi data link config can be finished in LBS manage software, as mentioned above



3. After that, if you want to switch receiver into AP mode without connecting to PC, you should power on receiver first, and then press power key long enough until you see the lights blink from one led to another, and then release the power key. Next time power on the receiver, it will recover into default settings which enables AP function