

NETWORK RTK CONFIGURATION FOR SOUTH GPS

MODEL: S86

SOUTH SURVEYING & MAPPING INSTRUMENT CO., LTD.

 Equipments that are necessary when you connect to Hong Kong SatRef through NTRIP include the following: 1. Receiving antenna 2. Controller (installed with EStar 2.0, SOUTH Set and SOUTH Test) 3. Rover unit and SIM card (GPRS activated) 4. Bracket holder for controller 5. Carbon fiber pole 	PREPARATION	ILLUSTRATION
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OPERATION ILLUSTRATION The GPRS module is built in the receiver unit. You need to insert the SIM card to the card slot on the back Loosen the 2 screws panel of the receiver. 1. Remove the screws of the slot.



TEL: +80 ADD: 4/F, NO. 8 JIAN GONG RD. TIAN HE SOFTWARE PARK, GUANGZHOU, CHINA





OPERATION	ILLUSTRATION
 5. Press F2, move the cursor to the third icon for selecting the Rover Mode, and press to to confirm. 	Contract Mode
6. Press F2 to move the cursor to "Edit" icon and modify the differential message type. Return to main menu and press to confirm.	Oufff Type: RTCA Interval: 1 Record Ab Exiti

OPERATION	ILLUSTRATION
7. Enter the interface of DATA LINK, move the cursor to "Edit" icon, press to confirm.	
8. Change the data link mode to "GPRS", and press to confirm.	DATA LINK THE GROOMEXTERNAL

































OPERATION			ILLU	STRATION		1.0
		SOUTH GPR	RS Modul	e Set	ок 🗙	
		Link S82	Other	7	Open	
		Link Mode	IGSM ISOUTH	▼	Close	
		IP	121.33.2	43.66	Read	1234
22. When it's well connected, you will read "Open COM port Successful!"		Port	6060			and the second
		Mount Point				2325
	24	User	<u> </u>		Set	1000
	NA.	Password	ļ		List	100
Catt - Cist		🔲 Base				
		Local No			Help	Sec.
		Base Tel.	<u> </u>			Sec. 2
		APNSERV	Daut Current		Modif	N.S.
alt-1			Port Succe	essiul!		y=
States and the second s						0./

OPERATION			ILLUSTRATION	J	
		SOUTH GPR	RS Module Set	OK ×	
23. Input SatRef parameters in the		Link S82	Other 🔽 7	Open	
corresponding boxes:		Link Mode		Close	
Link Mode: GPRS		Work Mode	000 150 107 040		
Work Mode: VRS_NTRIP	>		202.133.107.249	Кеаа	1.1.1
IP: 202.153.107.249		Mount Point	FKP	•	100 m
Port: 2101	24	User	test	Set	
Mount point: FKP	2/	Password	*****	List	100
(or other mount point)		🔲 Base		Liele	N
User :		Local No			122
Password:	N. I. S.	Base Tel. <u>APNSERV</u> Close Debug Set All Paran	cmnet Mode Successful! Meter Completed!	Modif	Y
		<u> </u>			









OPERATION	ILLUSTRATION
27. When you find the following info shown in the controller, the GPRS module has already connected to SatRef. "OK CONNECT ICY 200 OK"	SOUTH VRS TEST Link Other 7 Den Send SOUTH,OPEN SOUTH,OPEN SOUTH,OPEN SOUTH,OPEN Preceived Data: Show OK CONNECT ICY 200 OK ICY 200 OK Send GGA Signal State GPRS Master Reset Test1 Test2 Stop Save Clear











OPERATION		ILLUSTRATION
		COM Port Set
		◯ Select CF Bluetooth 🕞
		Input
31. Select "Input", and input "7" in the	242	Com Baud 9600 🔽
blank. Then press "Connect" icon.		S82:9600,S86N:57600
Note: you need to input other COM	22	
port figure if the system did not	2/1	
distribute COM7 as the specified port.		
	\mathbf{i}	Detect
Jon Jon Standard		Detett Stop



OPERATION	ILLUSTRATION
	<u>Job Set Survey Tools H</u> elp % ▲ 유 이 이 과 숫 당 가 New Job OK ×
	Job Name: 906
33. Input a Job Name in the blank.	Job Path: \\Flash Disk\Jobs\
	The way of creating job Wizzard O Copy

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OPERATION		ILLUSTRATION	
		Set Parameters Wizzard ×	
		Ellipsoid: User Define	
34. Input Ellipsoid parameters.		1/f: 297	
		Level Model	
	The second	Level Model File:	111 11
		OK Prev Next Cancel	







OPERATION	ILLUSTRATION
	Set Parameters Wizzard
	Set Four Parameters
	Use Four Parameters
	dX(m):
	dY(m): D
36. Press "Next" icon to skip the	Rotate: D
settings in this page.	Scale: 1
	OK Prev Next Cancel
7-7	
freed to be a set of the set of t	



OPERATION	ILLUSTRATION
37. Input Seven Parameters (from WGS-84 to HK-80).	Set Parameters Wizzard × Set Seven Parameters ✓ Use Seven Parameters dX(m): dY(m): 162.619 dY(m): 276.961 dZ(m): 161.763 Rot X: 0.067741 Rot Y: -2.243649 Rot Z: -1.158827 dK(ppm): 1.094239















42. Settings for SOUTH Set and	
SOUTH Test are required once only.	
When you start the work for a second	
time, just power on the receiver to	
connect with controller, run EStar2.0	Z
and it will connect to SatRef	
automatically.	
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OPERATION



