

IP MODEM Setup Guide

The ip modem configure tool and the vc demo are from the disc.

This is only to make the appropriate settings for the focus of the IP address and port, and other detailed settings according to the needs of different users, please refer to "IP MODEM using the instruction manual."

1. Requirements

Please confirm the following information already have before your test:

1. APN of your country's wireless ISP (including APN, username, password), ISP number (also called "call center number").

2 .You must have a static IP of your center , or a dynamic DNS.

3. A SIM card opening data business.

3.IP MODEM, PC, RS232 cable

2. The network topology

1. Please confirm whether your static IP is your company's export IP, or your PC's IP .

2 Please comfirm whether your company's entry is an router, whether you have permission to enter the router configuration web page.

3 please briefly describe your application, or what is the testing environment that you want to establish.

4.We provide the following simple and universal test topology, you can make a reference.

If your Network topology As mentioned above, then your can establish simulative test environment as shown above..



3.Detail Configuration

Page 1 of 16



Step 1:run the software Four-Faith IP Lodes Configure Tool

😽 IP Nodem Co	onfigure Tool	V1.2.4		
-Work-State Switch	Communication	Reboot Enter Comm	unication State	Serial Params
-Output Info >>> COM Closed >>> Please Re-pow	ver IP Modem			P Modem Config
-Functions	Chause Banderia	Auto Defect	Varinta	
Signal Value	Factory Setting	Clear Output	Save Output	Cause Level Foreir D Medice Devuer Off
	Browse,.	Save Config	Load Config	Save Load From IP Modern Power-Off

1) working state to switch to the " configuration state "

2)Select work in the PC COM port , baud rate is factory- 115200 , no parity .

3)use the Company that comes with the serial line IP MODEM and connect computer , after the electrical connection is completed, repower the IP MODEM .

Step 2: IP MODEM power state after power on, power-on will appear the following information automatically.

In the process log information box will load the factory default IP MODEM parameter information





Work State Switch
Config Communication Reboot Device,Enter Communication State
Output Info
>>> Port(COM1) Has Opened Please Re-Power the DTU Waitting DTU Enter Configure State >>> COM Closed >>> Port(COM1) Has Opened Please Re-Power the DTU Waitting DTU Enter Configure State Enter Configure State Success ! Test AT Detect Module Type Module Type: SIEMENS AT Test Success, Load DTU Settings
Loading DTU Settings

🗑 IP Modem Configure Tool V1.2.4	
Work State Switch	Serial Params COM: COM1 V Baudrate: 115200 V Parity: None V Close
Output Info DIO2 workmode: 0. DIO3 workmode: 0. ADC Threshold value: 400. ADC1 workmode: 1. ADC2 workmode: 1. Mobus workmode: 0. Mobus address: 1. Try connect: 1. new ip or port: 0. DTU profile info: +PROFILE: 1,25001 internet.mts.ru,mts,mts +PROFILE: 2,25002 internet, +PROFILE: 3,25039 internet beeline.ru, +PROFILE: 4,460,cmnet, +PROFILE: 5, DTU profile function: 1 OK AT_IPR? +PROFILE: 7 ACT: AUTO OK	P Modem Configuration Data Service Center Settings Data Service Center Settings: Data Center Number: 1 Main Center Addr+Port: 120.42.46.98 9020 Backup Center: 120.42.46.98 9020 Backup Center: 120.42.46.98 9020 Backup Center: 120.42.46.98 9020 Backup Center: 120.42.46.98 9020 2nd Center Addr+Port: 166.111.8.238 23 3nd Center Addr+Port: 166.111.8.238 23 5nd Center Addr+Port: 166.111.8.238 23 5nd Center DNS Server: 8 8 8 8 9020 23 5nd Center DNS Server: 8 8 8 8 9020 9020 9020 9020 9020 9020 <td< td=""></td<>
Functions Show Config Show Bandrate Auto Detect Ver Info Signal Value Factory Setting Clear Output Save Output Browse. Save Config Load Config	Save Load From IP Modem Power-Off

Xiamen Four-Faith Communication Technology Co.,Ltd.Add:J1-J3,3rdFloor,No.44,GuanRiRoad,SoftWare Park,XiaMen .361008.Chinahttp://www.fourfaith.comTel:+86 592-630032663003256300324

Page 3 of 16



When the message box appear after loading the information successfully , the corresponding parameter settings on the IP MODEM

Step 3:

Set the set the number of centers of the central server , IP address and port number Normal debugging only set the IP and port of the main and backup centers can communicate with

Data Service Center Settings IP Modern Setting Other Setting Schedu								
Data Service Center Settin	Data Service Center Settings:							
Main Center Addr+Port:	120.42.46	6.98				902	0	
Baskup Center:	120.42.46	6.98				902	0	
2nd Center Addr+Port:	166.111.8	8.238				23		
3nd Center Addr+Port:	166.111.8	8.238				23		
4nd Center Addr+Port:	166.111.8	.238			23			
5nd Center Addr+Port:	166.111.8	8.238				23		
DNS Server								
Main Center DNS Some	p.	8		8		0	_	8
Backup Center DNS Ser	vor:		·	-	·		_	~
Backup Center Diva Ser	ver.	8	•	8		8		8
2nd Center DNS Server:		8		8		8		8
3nd Center DNS Server:				8		8		8
4nd Center DNS Server:				8		8		8
End of the DNO O		8	_	8		8		8

1)A number of central server settings: When the number of centers for the 1, the primary and backup centers . When the number of centers is greater than 1 backup

Center invalid, the center 2 to 5 according to the adjustment of the number of centers to take effect (such as: the number of centers is set to 3, the effective center

The main center, center and center 3, the number of centers different and so on).

2) The center IP address settings: set the center can access the public network IP address of the main center and backup center . (If there is no backup center

And the main center to set the same IP address)

3) Center port settings: in the main and backup centers, ports , set up external network access to a valid port Note : When running the center - side software, the PC is listening on the port can not be public direct access , you need connecting PC

Machine on the router to map the corresponding port to a single ip of PC .

*The main center add should be static or ddns. And the main center address is from adsl modem ,you can put in a port casul. And the main center address is from a router, you need set the corresponding port



number(such as 9020) on the router ,and put the port in the configure tool.

Step 4: Settings to set the IP MODEM operating parameters of the ID number and SIM card

Data Service Center Settings	Other Setting Schedu
WorkMode:	PROT 💌
Trigger Type(Default Auto):	AUTO <
Debug Level(0/1/2):	0 🗸
Databit, Parity, Stopbit:	8N1 👻
Communication Baudrate:	9600 👻
Auto Back To Main Server: (1/0-Ye <u>s/No)</u>	1
Device ID(8 Bytes Hex-Decimal):	74736574
SIM Card No(11 Bytes):	13612345678
Bytes Interval(Default 20ms):	20
Custom Register String:	
Custom Heartbeat String:	
Connect Retry Times:	65535
Reconnect Time Interval(Seconds):	0
Transfer Meaning(0/1-Yes/No):	0 -

(1) the settings of the device ID number : device ID is an ID number of an IP MODEM,it's the only one for the center can know (arbitrarily set eight : such as 10000001,10000002)

*When there are many modems ,make sure the one is the only.

(2) the settings of the device SIM card number : set directly when the IP MODEM SIM card number (eg : 13612345678).

*:when test, set debug level 2 to see detailed information. And normally you can set 0.

You can use the modem serve as a server, and it can connect 4 clients. It serves as client, it can connects 5 centers at the same time. You can also run a demo on the pc to serve as a server. The demo can connect more than 100 device, and you can also develop the demo.



IP Modern Configuration	
Data Service Center Settings IP Modern Settin	g Other Setting Schedu
ADVI	cmnet
Harris.	
Osemame.	
Password:	
Call Center:	*99***1#
SMS Center:	+8613800592500
Heartbeat Interval(31 ~ 65534):	60
Trigger Method	
Call Trigger Phone No:	
SMS Trigger Password(4 Bytes):	
Data Trigger On Password:	don
Data Trigger Off Password:	doff
TCP MTU(Bytes):	1450
Multi Center Reconnect Interval:	90
SMS configure function:	Disable 👻
SMS configure password:	123456
SMS configure wait time:	30
Save Load From IP Mode	m Power-Off

put in the APN, username, password, call center, sms center (you can call the operator to make sure) *heartbeat interval

Step 5: Above settings have been basically completed the easy set above settings has been basically completed the simple set , and other items , such as no special requirements for default other items , such as no special requirements for the default ,then press the save button.

Information box on the right will be prompted to successfully set at the same time on the right information box will be prompted to set successfully, the following diagram as shown below.



9 IP Loden Configure lool VI.2.4	
Work State Switch	Serial Params
Config Communication Reboot Enter Communication State	COM: COM1 V Baudrate: 115200 V Parity: None V Close
Output Info	- IP Modem Configuration
Mobus workmode: 0 .	Data Service Center Settings IP Modern Setting Other Setting Schedu
Try connect: 1.	Data Service Center Settings:
new ip or port: 0.	Data Center Number: 1 🗸
DTU profile info:	
+PROFILE:1,25001 internet.mts.ru,mts.mts +PROFILE:2,25002 internet	Main Center Addr+Port: 120.42.46.98 9020
+PROFILE:3,25099,internet.beeline.ru,	Backup Center: 120 42 46 98 9020
+PROFILE:4,460,cmnet,	
+PROFILE:5,	2nd Center Addr+Port: 166.111.8.238 23
	3nd Center Addr+Port: 166.111.8.238 23
ок	4nd Center Addr+Port: 166 111 8 238 23
AT+IPR?	
+IPR:9600	5nd Center Addr+Port: 166.111.8.238 23
OK AT MODES	
	DNS Server
OK	
AT+ACTI?	
+ACTI:AUTO	Main Center DINS Server: 8 . 8 . 8 . 8
OK Saving POBT	Backup Center DNS Server: 8 . 8 . 8 . 8
Save PORTOK	2nd Center DNS Server: 8 . 8 . 8 . 8
Saving Modem Phone Number[AT+PHON]	3nd Center DNS Server 8 8 9 9
Save BandrateOK	And Contex DNC Contex
	5nd Center DNS Server: 8 . 8 . 8
Functions	
Show Config Show Bandrate Auto Detect Ver Info	
Signal Value Factory Setting Clear Output Save Output	Save Load From IP Modem Power-Off
Browse Save Config Load Config	

More than set up the basic needs of the communications link , the operations center software and IP MODEM can communicate .

Step6: open the software of vc-demo on the coputer. Config-----service.put in the port:9020-----save----start.

Page 7 of 16



🤤 IP 🖯	MODEM Serve	r VC DEMO			
File	() Control (C) 🤇	Config 🕥 View (V)	Help(H)		
⇒	Start St	op 🛃 Re	V Send 🛃 Menu	🕒 Help 🖌	About 🍏 Exit
0	Online Modem	IP Modem ID	Login Time	Last Ref	fresh Time
	Setting Service Service Poll Time Offline T	Parameters Dat 9020 - 5 -	ta Process	dem List	
			Save (R) C	ancel (C)	

Step 7:Then you can see the server start success.

🧐 IP IODEI Serve	r VC DEMO				
File(F) Control(C)	Config(S) View(V) H	elp(H)			
🗠 Start 🔶 St	op 😰 Re	🔏 Send 🛃 Menu 🗎	Help 🚮 About 🏼 🍪 Exi	it	
Caline Modem	IP Modem_ID	Login Time	Last Refresh Time	Phone No	IP Address
74736574	74736574	Thu Jul 19 17:19:32 2012	2012-07-19 17:20:01	13912345678	10.86.44.237
	Server Started,List Server Start Succe	tening On Port 9026 ess			

Step 8:Then press the botton reboot enter communication state, then you can see the "connected"

Page 8 of 16



Work State Switch	Serial Params			
Config Communication Reboot Enter Communication State	COM: COM1 🚽 Baudrate:	115200 👻 Parity	None 👻 Clos	æ
Output Info	-IP Modern Configuration			
ent top_client_processtop_client_reconnect ent connect_processcoppect server 0ort sock succ 0Resolving server	Data Service Center Settings IP N	Nodern Setting Other S	Setting	
name:120.42.46.98.	Data Service Center Setting	s:		1
Connect to 0 120.42.46.98:9020 send ip pkt:	Data Center Number:		1 💌	
140 90 000 004 4007	Main Center Addr+Port:	20.42.46.98	9020	
recv ip pkt:	Backup Center:	20.42.46.98	9020	
[120.42.46.98:9020>10.86.232.251:4097][SYN ACK [Seq:620609977	2nd Center Addr+Port	66 111 8 238	23	
Ack:6510 [len=0]	2nd Conter Addr+ Port	66.111.0.230		
sena ip pkt.		00.1111.0.230	23	
[10.86.232.251:4097>120.42.46.98:9020][PSH ACK]Seq:6510 Ack:620609978 [len=21]	4nd Center Addr+Port: 1	66.111.8.238	23	
	5nd Center Addr+Port: 1	66.111.8.238	23	
Connected .recv ip pkt:	- DNS Server			
[120.42.46.98:9020>10.86.232.251:4097][ACK]Seq:620609978 Ack:6531	Divo delvel			
snd hrt	Main Operator DNO Operator			
send ip pkt:	Main Center DNS Server.			
[10.86.232.251:4097>120.42.46.98:9020][PSH ACK]Seq:6531	Backup Center DNS Serve	er: 8.8	. 8 . 8	
	2nd Center DNS Server:	8.8	. 8 . 8	
Schedule Send 2000 ms	3nd Center DNS Server:	8.8	. 8 . 8	
Data: Add Enter terminator Hex Send Hex Display	4nd Center DNS Server:	8.8	. 8 . 8	
Send Send	5nd Center DNS Server:	8.8	. 8 . 8	
Functions		,		
Show Config Show Bandrate Auto Detect Ver Info				1
Signal Value Factory Setting Clear Output Save Output			av. 1	
Drawer Court Court	Save Load P	-rom IP Modem	ower-Off	

Step 9:You can send data from the tool to the ip modem server vc demo:

TP Modem Configure Tool V1.2.4
Work State Switch
Config Communication Reboot Enter Communication State
Output Info
recv ip pkt:
[120.42.46.98:9020>10.86.232.251:4097][ACK]Seq:620609978 Ack:6536
[len=0]
send ip pkt:
[10.86.232.251:4097>120.42.46.98:9020][PSH ACK]Seq:6536
Ack:620609978 [len=1] recy ip pkt:
1400 40 46 09:0000 ×10 96 000 051:40071(ACK 15ex: 600600079 Ack: 6507
[len=0]
send ip pkt:
[10.86.232.251:4097>120.42.46.98:9020][PSH ACK]Seq:6537 Ack:620609978 [len=6]
send data out!
recvip pr.
[120.42.46.98:9020>10.86.232.251:4097][ACK]Seq:620609978 Ack:6543 [len=0]
E Calculute Canada 2000
Date: Add Enter terminetor E Hey Send
123456
Functions
Show comig Show Bandrate Auto Detect Ver Into
Signal Value Factory Setting Clear Output Save Output
Browse Save Config Load Config

Step 10:And you can see the data in the demo:

Xiamen Four-Faith Communication Technology Co., Ltd.Add:J1-J3,3rdFloor,No.44,GuanRiRoad,SoftWare Park,XiaMen .361008.Chinahttp://www.fourfaith.comTel: +86 592-6300326 6300325 6300324

Page 9 of 16



😑 IP IODEI Serve	r VC DEMO						
File(E) Control(C)	Config(<u>S</u>) View(V) H	elp(H)					
🗠 Start 🔶 St	op 📝 Re	🖌 Send 🖪 Menu 🕒	Help 🚮 About 🧭 Exi	t			
🖃 🤷 Online Modem	IP Modem ID	Login Time	Last Refresh Time	Phone No	IP Address		
- <mark>6</mark> 74736574	74736574	Thu Jul 19 17:47:50 2012	2012-07-19 17:54:22	13912345678	10.86.232.251		
userid:74736574,time:Thu Jul 19 17:50:56 2012t,len:6							

If you connect many IP modem to a demo.you can see that the data ia come after the corresponding id.

◎ 数据中心软件DEE0						
文件 (2) 控制 (2) 设置 (3) 查看 (2) 帮助 (3)						
··· 启动 🕂 停	止 🛃 刷新	🗴 🔀 🛃 🛱 🗎	帮助 🔏 关于 💋 退	出		
🖃 🤷 在线DTV	DTV ID号	登录时间	最后更新时间	DTV电话号码	动态Ip地址	
12345678	12345678	Mon Aug 06 14:58:04 2012	2012-08-06 15:12:17	13312345678	10.52.25.127	
(21222150	Mon Aug 06 15:11:06 2012	2012-08-06 15:11:35	13998861844	10.87.35.253	
	ļ					
<	userid;12345678,ti 123456	me:Mon Aug 06 15:03:03 20	121,len:6			
userid:12345678,time:Mon Aug 06 15:03:18 20121,len:75 1111111111111111222222222222222222222						
	userid:21222150 ti sssssss	me:Mon Aug 06 15:11:07 20	121,1en:8			
	userid:21222150,time:Mon Aug 06 15:11:22 2012),len:12 54646546+5+6					
	userid:21222150,ti 111111	me:Mon Aug 06 15:11:35 20	121,len:6			

Step 11:You can also send data for the demo to the ip modem.

Page 10 of 16



😳 IP MODEM Server VC DEMO	🗖 Send Data 🛛 🗙 🗖
File (P) Control (C) Config (S) View (V) Help (H) Start Stop Re Send Menu H Online Modem IP Modem ID Login Time 74736574 Thu Jul 19 18:06:11 2012	74736574 Data Count: 34 111111111111111111111111111111111111
IP Ioden Configure Tool V1.2.4 -Work State Switch Config Communication Reboot Enter Communication Output Info Connected recv ip pkt: [120.42.46.98:9020>10.87.188.171:4097][ACK]Seq:817356604 Ack:6	Serial Params State COM: COM1 Baudrate: 115200 Parity: None Parity: None Parity: None Compared to the setting Data Service Center Settings Data Service Center Settings: Data Center Number:
[len=0] recv ip pkt: [120.42.46.98:9020>10.87.188.171:4097][PSH ACK]Seq:817356604 Ack:6531 [len=34] send ip pkt: [10.87.496.171:4097>120.42.46.98:9020][ACK]Seq:6531 Ack:817356 [len=0] 111111111111111111111111111111111111	Main Center Addr+Port: 120.42.46.98 9020 Backup Center: 120.42.46.98 9020 2nd Center Addr+Port: 166.111.8.238 23 3nd Center Addr+Port: 166.111.8.238 23 4nd Center Addr+Port: 166.111.8.238 23 5nd Center Addr+Port: 166.111.8.238 23

Then test is successful.

. Common FAQ

1.If our SIM card Owe postage, signal is very low or the call center number is wrong ,we can see the following output.



>>> To Enter Communication State,Please Re-power DTU [AT Command : AT+RESET] ... OK Resetting ... System started! Press 's' key continuously to enter configure program.

dtu enters protocol mode. Now start at proc.Max AT Command RetryAt Proc Error!Max AT Command RetryAt Proc Error!

2.If APN and call center is wrong, we can see the following output.



3. If the center isn't correct, we can see below info.

Press 's' key continuously to enter configure program. dtu enters protocol mode. Now start at proc.At Proc Success!Ppp dial succ, Got Ip Addr :10.88.167.135Resolving server name:120.42.46.55. Connect to 0 120.42.46.55:6767 ... Connect error.connect error

4. And we can use telnet command to test whether the data link to the center is OK. If we can see the phenomenon below, it shows that it is OK.



If you can't solve the problem, or meet new troubles , please contact us as soon as possible!

Page 12 of 16



Annex 1

Center IP setting method of dynamic domain name

Center IP setting method using dynamic domain name and the setup steps , the difference is directly filled as long as the IP Settings column Into the dynamic domain name and fill in a DNS resolution service provider address ; at the same time be in the center -side run Dynamic DNS client side .

As shown below

Serial Params COM: COM1 Baudrate: 115200 Parity: None Close					
□ P Modern Configuration □ Data Service Center Settings □P Modern Setting Other Setting Schedu ► □ Data Service Center Settings: □ Data Service Center Settings:					
Data Center Number: 1 Main Center Addr+Port: coco.vicp.net Backup Center: page vicp pet					
2nd Center Addr+Port: 166.111.8.238 23 3nd Center Addr+Port: 166.111.8.238 23					
4nd Center Addr+Port: 166.111.8.238 23 5nd Center Addr+Port: 166.111.8.238 23					
DNS Server fill in the valid domain servic provider's DNS					
Main Center DNS Server: 202 . 101 . 103 . 55 Backup Center DNS Server: 211 . 138 . 151 . 161					
2nd Center DNS Server: 8 . 8 . 8 . 8 3nd Center DNS Server: 8 . 8 . 8 . 8					
4nd Center DNS Server: 8 . 8 . 8 . 8 5nd Center DNS Server: 8 . 8 . 8 . 8					
Save Load From IP Modern Power-Off					

Xiamen Four-Faith Communication Technology Co.,Ltd.Add:J1-J3,3rdFloor,No.44,GuanRiRoad,SoftWare Park,XiaMen .361008.Chinahttp://www.fourfaith.comTel:+86 592-630032663003256300324

Page 13 of 16



The configure of the IO useage, you can use this software IP mdem configure and VC-demo to test. the configuration for digital/analogue pulse counting in the settings, you can check the configure tool of the last page.

First ,set the modbus workmode as RTU, and set the address as 1.Second ,set the IO ports as your need. Besides ,the IP modem demo (modbus) can test the IO11 and IO12.

Enter configuration state:

Configure MODBUS work mode and MODBUS address:

- IP I	Mod SN	em Configuration IS Setting Scheduled Power On/O)ff Setting	ModBus Setting	Port :
		ModBus work mode:	Enable		J
		ModBus address<1-247>:	1		

Configure analog and digital quantity work mode:

- IP I	- IP Modem Configuration			
	Scheduled Power On/Off Setting ModBus Setting Port Setting			
	Analog quantity 1 work mode	One-time collection 🖵		
	Analog quantity 2 work mode	One-time collection 🗨		
	Digital quantity 1 work mode	Input 🗨		
	Digital quantity 2 work mode	Output		
	Digital quantity 3 work mode	Disable		

Illustration: digital input/output can be configured.

Terminal block interface:

PIN8	corresponding digital pin	as input	HEX address:	0x20000
PIN9	corresponding digital pin	as input	HEX address:	0x20001
PIN10	corresponding digital pin	as input	HEX address:	0x20002
For example.	ample: read IO8 level: (01 02 00 00 0	00 01 B9 CA	
	return: 01 0	2 01 00 A1 8	IO8 high	level)
	01 02	2 01 01 60 48	8 (IO8 low)	level)
PIN8	corresponding digital pin	as output	HEX address:	0x50000
PIN9	corresponding digital pin	as output	HEX address:	0x50001
PIN10	corresponding digital pin	as output	HEX address:	0x50002

Xiamen Four-Faith Communication Technology Co.,Ltd.Add:J1-J3,3rdFloor,No.44,GuanRiRoad,SoftWare Park,XiaMen .361008.Chinahttp://www.fourfaith.comTel:+86 592-630032663003256300324

Page 14 of 16



For example: IO8 digital output Set IO8 as high level: 01 05 00 00 FF 00 8C 3A Return : 01 05 00 00 FF 00 8C 3A //output setting as high level Set IO8 as low level: 01 05 00 00 00 00 CD CA Return : 01 05 00 00 00 00 CD CA // output setting as low level

PIN11 as ADC input only HEX address: 0x40000

For example: read IO4 ADC value: 01 04 00 00 00 01 31 CA //the IO address of analog port is0 Return : 01 04 02 02 EB F8 1F // AD value 02 EB = 747

PIN12 as ADC input only HEX address: 0x40001



- IO1: Digital input/output 0---3.3V
- IO2: Digital input/output 0---3.3V
- IO3: Digital input/output 0---3.3V
- IO4: 0—20mA Analogue Current input (0—20mA,0-5v,10Hz)
- IO5: 0—20mA Analogue Current input (0—20mA,0-5v,10Hz)

The way of cable connection:

Analog quantity input:

1.single-cable: analog output of the sensor connects to the analog input of F2114 directly(IO4 or IO5)2.double-cable : the positive of analog output of the sensor connects to the analog input of F2114, and the ground wire connects to GND of F2114.

Digital quantity input:

- 1. low level input: GND of F2114 connects to the input of contact switch, and the output of contact switch connects to the digital output of F2114 (IO1,IO2 or 1O3)
- 2. low level input: output 5V voltage to IO1,IO2 or IO3, and the ground wire connects to GND of F2114.

If you have any problem with your settings or comunication, you can check the pic,pls waite a long time to get the full log,and send the log to me. I will analyse it for you.

Page 15 of 16



Ø IP Modem Configure Tool V1.2.4	
Work State Switch	Serial Params
Config Communication Reboot Enter Communication State	COM: COM10 V Baudrate: 115200 V Parity: None V Close
Output Info	IP Modern Configuration
DIO3 workmode: 0 . ADC Threshold value: 400 . To see	e the details of the settings, pls set the debug 2. when
ADC1 workmode: 0 . normal ADC2 workmode: 0 . Mebus workmode: 0	l use, pls set the debug0. WorkMode:
Mobus address: 1 .	Trigger Type(Default Auto):
sms Phone1 No.: 13912345678 sms Phone2 No.: 13912345678	Debug Level(0/1/2):
sms Phone3 No.: 13912345678 sms Phone4 No.: 13912345678	Databit, Parity, Stopbit: 8N1 🗸
sms hex: 0 sms backup function: 0	Communication Baudrate: 115200 🗸
gprs no receive restart time 20	Auto Back To Main Server:
UN	Device ID(8 Bytes Hex-Decimal): 74736574
+IPR:115200 OK	SIM Card No(11 Bytes): 13912345678
	Bytes Interval(Default 20ms): 20
+MODE.PROT OK	Custom Register String:
	Custom Heartbeat String:
+ACTLAUTO OK	Connect Retry Times: 4320
you can check the signal,31 is the firm	mware Verezonnect Time Interval (Seconds): 60
good , and 9 is low.	Transfer Meaning(0/1-Yes/No):
Functions	
Show config Show Bandrate Auto Detect Ver Into	
Signal Value Factory Setting Clear Output Save Output	save the logs of the settings or communication details sen@avet to theadfront Modem Power-Off
Browse Save Config Load Config	

Name: Andy Mail: andy@four-faith.com Skype: xmwzlin

Page 16 of 16