

BX-3G user manual

Professional version

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Catalog

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1. **1.Products description**

1.1. product details

BX-3G hardware frame is cluster with the high performance of 32 bit processor and industrial level 3G wireless module ,use the high automatically and modularization built-in system as the software platform ,supply the safe ,stable and fast connection with the wireless network to users by public 3G network(WCDMA or EVDO)

1.2. product features

BX-3GW use the HSDPA/HSUPA connection, supply 7.2Mbps downward speed and 5.76Mbps upward speed

BX-3GE use the EVDO RevA connection, supply 3.1Mbpsdownward speed and 1.8Mbps upward speed

✿ Industrial design

Adopt high performance wireless module

Adopt metal shell; Level of protection IP30, used for industrial control field

Environment temperature: -30°C~70°C

✿ High reliability

Detect the wireless link status in real time; Will re-dial automatically when it lost connection;

Guarantee the equipment keeping usability

With the design of anti-interface, anti-static, and it could used for wicked electromagnetic environment

☆ Simple operation and it's convenient for maintenance

Rich way of network management, supports SMS, WEB, a variety of configuration method of network management platform, convenient and easy to use, rapid deployment

WEB interface categorized according to the IT staff habits, clear and promote efficiency for user configuration

Support local or remote reading logs, through the log to help engineers to quickly solve problems, improve work efficiency



1.3. Parameters

- ✿ Power : +5V DC IN
- ☆ Average working electricity: 650mA@+5V DC
- ☆ Maximum instant electricity: 2.0A@+5V DC
- ✤ Working frequency band: BX-3GW: UMTS/HSDPA/HSUPA 850/1900/2100MHz GSM 850/900/1800/1900MHz BX-3GE: CDMA2000 1x/EVDO Rev. A 800/1900MHz
- ♥ Working temperature: -30°C-70°C
- \Rightarrow Size: 124mm X 100mm (not including the antenna)

1.4. Product image



1.5. Interface instruction

Front side from right to left:

- \clubsuit DC power interface, used for +5V input.
- ✿ Built-in the RST button, used for factory reset .when the system is running well, long press the button for 5 seconds, then reset the device and then restart .
- \Rightarrow Red PWR light means the power is on in the system.



- ✤ Yellow YS light , heartbeat flashing means system running well (light on when starting)
- ✿ Green GTM light(light on when starting)

Light status	Indication
Fast flashing	dialing
slow flashing	Finish the dialing ,and connect to the 3G
heartbeat flashing	Connect with the transfer server
Light on (not start	Dialing error
processing) or light off	

- 10/100M adaptive RJ45 Ethernet interface, used to connect to each type of control card. The RJ45 interface connection with light is located in the lower left of the interface, the Ethernet disconnected if light off, light on normally shows that has been properly connected, occasionally flashing indicates that there is data transmission.
- ☆ Rear panel have standard 50 ohm SMA antenna interface and draw out SIM card interface, used to connect to the 3G wireless network required all band antenna and placed 1.8/3 v UIM/SIM card.

2. WEB setting page

2.1. Preparation

- \Leftrightarrow Connect the BX-3G with 5V power
- ✿ Open the computer network connection polarity, double click the "Internet version 4 (TCP/IPv4)", set ip as "automatically Obtain IP":



Connect using:		
Marvell Yuko	n 88E8056 PCI-E Gigabit	Ethemet Controller
		Configure
This connection use	es the following items:	
QoS Pack	et Scheduler	
File and Pr	inter Sharing for Microsoft	Networks
🗹 斗 Realtke R	Prot WLAN Utility Protoco	ol Driver
-4- Internet Pr	atocol Version 6 (TCP/IPv	6
🗹 🕂 Internet Pr	etocol Version 4 (TCP/IPv	4)
 Link-Laver 	Topology Discovery Map	ber I/O Driver
		onger +
🗹 📥 Link-Layer	Topology Discovery Nesp	
✓ Link-Layer	III	
✓ Link-Layer	In Uninstall	Properties
Link-Layer Install Description	In Uninstall	Properties
Install Description	III Uninstall	Properties
Install Description Transmission Cor wide area networ	III Uninstall Uninstall	Properties

Image 2-1 network connection property

neral Alternate Configurati ou can get IP settings assign upports this capability. Other	on ned automatic rwise, you ne	cally if ed to	your i ask yo	network ur netv	: vork
Obtain an IP address au	tomatically	js.			
Use the following IP add	Iress:				
IP address:					
S <u>u</u> bnet mask:					
Default gateway:		÷			
Obtain DNS server addre	ess automati	ally			
OUse the following DNS s	erver addres	ses			
Preferred DNS server:		÷			
<u>A</u> lternate DNS server :		÷			
Validate settings upon	exit			Adv	anced

Picture 2-2 obtain IP automatically

- ✤ Use the cross network cable to connect the computer with 3G router, the computer will automatically obtain the correct IP address
- ✿ Open IE explore, input the "http://192.168.1.1", enter in, then display the below:



BX-3G user manual		
DinbonBX OnbonBX LDK r284 BX PID: 5002D66288	'443571809000000001FE1 Load: 0.87 0.29 0.10	
Authorization Required		
Username	admin	
Password		
		@Reset Login

Picture 2-3 log page

✤ Input the user name "admin", password "123456" (factory default password), click the log in button, then set in the router

2.2. Set parameters in the page

2.2.1. Page menu

There is "router status" "common settings" "system management" "log out" in the menu. Router status used for display the router status, no setting function, general setting including the LAN setting, 3G dialing setting, transfer server setting and so on. In the system management, can set the router language, change the admin password, update the firmware, backup and recover the router setting, exit used for exit the page.



Picture 2-4 set page menu

2.2.2. Common settings

This page contain the common setting ,such like transit server setting ,3G dial-up setting ,LAN setting and so on. After modify the configuration ,need restart then the new configuration will take effect.

"network connection" is used for 3G dial up ,mainly including the operator specific dial number, user name, password, etc. In addition to special applications, please do not modify this page parameters.

Local network" and "the DHCP service" is used to set the router LAN IP address, subnet mask, DHCP service pool, and the lease time, etc.no need to modify if no special requirements.user can specific MAC address in the "static address allocation". The router's default IP is "192.168.1.1".

"BX transit service" is for setting up the connection parameters with onbon transit network management platform .if not use onbon server , you can disable this function.user can set up including server host names or IP, port, reconnect the time interval, the number of connection attempts. In addition to the domain name/IP if other parameters do not fill out show that use the default Settings.



In user can check the 3G WAN IP, MAC and traffic information in the "status" column .in the DHCP client "activity" column ,user can view the current assigned IP and MAC information such as the host.

X Transfer Service						
BASE						
	Enable transfer service	If unchecked, tra	ansfer service is disabled			
	Server Host	112.65.245.174				
	Server Port	6060				
	Reconnect server every	30 . seconds to wait f	for reconnecting			
	Reconnect times	0 • O means always i	reconnect			
Status						
Network	MAC-Address Hardware Address	<u>IPv4</u> -	Address	<u>IPv4</u> -Netmask	Traffic transmitted / received	Error TX / F
lan	7 02:FF:FF:F8:E2:AF	192.	168.1.1	255.255.255.0	192.74 KB / 248.97 KB	ō/ā
Internet Connec	tion					
General Setup	dvanced Settings Modem device	/dev/ttvUSB0	•			
	Service Type	EV-DO				
		2700				
	Distantes					
	Diai number					
	PAP/CHAP username	CARD				
IE	2v4-Address	192.168.1.1	•			
λΕ Υ		200.200.200.0	•			
λ:	(14-Gateway (Optional)					
D	<u>NS</u> -Server (optional)					
CP Server						
Iç	nore interface	Disable <u>DHCP</u> for this	s interface.			
S	tart	100 . Lowest leased addre:	ss as offset from the net	work address.		
Ĺ	mit	151 • Maximum number of l	eased addresses.			
Le	easetime	12h • Expiry time of leased	addresses, minimum is 2	Minutes (2m).		
vo I oacoc						
Hostname	<u>IPv4</u> -A	ddress	MAC-Addr	ess	Leasetime remaining	
			This section contains no v	alues yet		
tic Leases						
н	osuame	M	AC-Address	aluac vat	1994-Address	
			· · · · · · · · · · · · · · · · · · ·			

Picture 2-5 common setting pages

2.2.3. System management page

There is "system setting" "admin password" "backup/Flash firmware" and "reboot" backup" "in this page.

Ont	ibonBX OnbonBX LDK r284 BX PID: 5002D662887443571809000000001FE1 Load: 0.10 0.15 0.08 Auto Refresh: on				
	Router Status Common Settings System Management Logout				
	System Settings Admin Password Backup / Flash Firmware Reboot				
	System				

Picture 2-6 system management menu



- ☆ "system settings "page is used to set the router host name, time zone, the language of the page
- ✤ the browser "synchronous time" button to make the router system time and the browser's system time synchronization.

outer Status Common Setting	s System Management	Logout		
ystem Settings Admin Passw	ord Backup / Flash Firmw	are Reboot		
System				
Here you can configure the bas	ic aspects of your device I	ke its hostname or the timez	ne.	
System		ARM926EJ-S rev 5 (v5l)		
Process	or	ASM9260		
Load		0.10, 0.15, 0.08		
Memory		28.60 MB (12% cached	4% buffered, 58% free)	
Local Ti	me	Thu Sep 8 16:03:58 20	1 -Sync with browser	
Uptime		00h 06min 34s		
Hostnar	ne	OnbonBX		
Timezor	18	UTC	T	
Yeb UI				
lere you can customize the set	ttings and the functionalit	of <u>LuCI</u> .		
Langua	ge	English	Y	
Design		Default	▼	
				Reset

Picture 2-7 system setting page

✿ "change password" is used for changing the administrator password

OnbonBX OnbonBX LDK r284 BX PID: 5002D66288	443571809000000001FE1 Load: 0.13 0.14 0.09						
Router Status Common Settings System Manage	Suter Status Common Settings System Management Logout						
System Settings Admin Password Backup / Flash	ystem Settings Admin Password Backup / Flash Firmware Reboot						
Admin Password							
Change the password of the system administrate	r (User root)						
Password],					
Confirmation].					
		-Reset -Submit					

Picture 2-8 change password page

☆ "backup/flash firmware" "used for backup and restore the router , and make firmware update

outer Status Common Settings System Manage	nent Logout	
ystem Settings Admin Password Backup / Flash	Firmware Reboot	
lash operations		
ctions Backup / Restore Click "Generate archive" to download a tar arc	hive of the current configuration files. To res	et the firmware to its initial state, click "Perform reset".
Download backup:	Generate archive	
Reset to defaults:	-Perform reset	
To restore configuration files, you can upload	a previously generated backup archive here.	
To restore configuration files, you can upload - Restore backup:	a previously generated backup archive here. 选择文件 未选择任何文件	-Upload archive
To restore configuration files, you can upload . Restore backup: Flash new firmware image Upload a OnbonLDK compatible image here to	a previously generated backup archive here. 这译文件 未选择任何文件 replace the running firmware. Check "Keep	-Upload archive
To restore configuration files, you can upload . Restore backup: - Flash new firmware image Upload a OnbonLDK compatible image here to Keep settings:	a previously generated backup archive here. 这译文件 未选择任何文件 replace the running firmware. Check "Keep	-Upload archive





" restore" button used for reset the router as the default status when factory.after click it ,router will restart and reset the factory configuration.

Click "generate backup" button will download the router configuration package of documents called "OnbonBX-YYYY-MM-DD.tar.gz. , is used to restore the configuration in the future.

Click on the "configuration" input box or "browse"Button in the file selection window to restore the configuration of the compressed package, click the "upload backups"Button, the router will automatically restart and recovery package in the configuration.

flash firmware" column is used to upgrade the router firmware, "configuration" option is used to choose whether to keep the current configuration and refresh the firmware. Click on the "image file" input box or subsequent "browse" button in the file selection window, select the firmware file, click on the "flash firmware" Button, the router will upload the firmware file and simple judge format. if the firmware file format is correct, will pop up the new firmware verification page. because the router does not guarantee the firmware file integrity, so pls check the MD5 checksum nuclear before refresh, if there are any errors, please click "cancel" button to suspend the refresh. Verify the firmware is correct and then click the "perform" button, the router will refresh the firmware, duration of 2-3 minutes, do not power off when firmware refreshing.

Flash new firmware image Upload a OnbonLDK compatible ima	ige here to replace the running firmware. Check "Ke	ep settings" to retain the current configuration.
Keep settings:		
Image:	选择文件 未选择任何文件	-Flash image

图 2-9 upload wrong firmware

系統设置 更改密码 备份/升级 重启	
升级固件 - 验证	
固件已上传,请注意核对文件大小和校验值! 点击 "执行" 开始刷新固件,刷新过程切勿断电!	
 校验: 2fb41527b043d54e407b4as3b74d402b 	
	2011年1月1日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日日



☆ In the "reboot" page , click the" perform reboot" page link to restart the router.

nbonBX OnbonBX LDK r284 BX PTD: 50020662887443571809000000001FE1 Load: 0.23 0.15 0.10
Router Status Common Settings System Management Logout
System Settings Admin Password Backup / Flash Firmware Reboot
System
Rebort
Reboots the operating system of your device
Perform reboot





2.3. Advance setup page

Search "http://192.168.1.1/admin", after 2-3s input the password and click log in button to the advance setup page:

bonBX OnbonBX LDK r284 BX PID: 500	2D662887443571809000000001FE1 Loa	ad: 0.06 0.11 0.09 Auto Refresh: on	WARNING: Please be Not modify non-professie Chan
Status System Services Network Log	But Kernel Lee Breseres Beattine Graphs		
Overview Filewall Routes System Log	Kenner Log Processes Realcine Graphs		
Status			
 System Router Name Router Model BX PID IMEI Firmware Version Kernel Version Local Time Uptime Load Average 	OnbonBX ASM9260 5002D6628 OnbonBX LD 2.6.32.27 Thu Sep 8 LG Dh 11m 42s 0.21.0.14.0	8744357180900000001FE1 < r284 / 201604_v1.2.0 :08:31 2011 .10	
- Memory Total Available Free Cached Buffered	21480 kB / 2 16912 kB / 2 3532 kB / 29 1136 kB / 29	9288 kB (73%) 9288 kB (57%) 288 kB (12%) 288 kB (12%)	
Network IPv4 WAN Status Active Connections	-/Not connecti 340 / 16384	ed (2%)	
DHCP Leases Hostname	IPv4-Address	MAC-Address There are no active leases.	Leasetime remaining
Active UPnP Redirects Protocol	External Port	Client Address	Client Port
		Collecting data	

Picture 2-11 advance home page

There is status, system, services and network menu in the router advance setting page.we don't suggest normal person to modify here if no professional technology.

OnbonBX OnbonBX LDK r284 BX PID: 5002D65288744357180900000001FE1 Load: 0.05 0.11 0.09 Auto Refresh: on	Changes:
Status System Services Network Logout	1
Overview Firewall Routes System Log Kernel Log Processes Realtime Graphs	
(a) status menu	
Onbon8X Onbon8X LDK r284 8X PID: 5002D66288744357180900000001FE1 Load: 0.35 0.24 0.13	WARNING: Please Do Noi modify non-professionals!!! Changes: 0
Status <mark>) System</mark> Services Network Logout System <mark>Administrator</mark> Software Backup / Flash Firmware Reboot	
(b) system menu	
OnbonBX OnbonBX LDK r284 BX PID: 50020662887443571809000000001FE1 Load: 0.28 0.23 0.13	WARNING: Floase Do Not modify non-professionals: Changes: 0
Status System Services Network Logout	
Cynamic UNS BX Fransfer Service UPNP	
(c) services menu	
OnbonBX OnbonBX LDK r284 8X PID: 5002065288744357180900000001FE1 Load: 0.25 0.22 0.13 Auto Refresh: on	WARNING: Floase Do Not modify non-professionals! Changes: 0
Status System Services Network Logout	
Interfaces DHCP and DNS Hostnames Static Routes Firewall Diagnostics	

(d) network menu

Picture 2-12 advanced menu

2.4. Attentions

- ✿ after modify the configuration, need manual restart the router to take effect.
- \Rightarrow after change the page language, click the exit menu and log in again .
- \Rightarrow after change password , need use the new password to log in.
- \Rightarrow after perform the reboot ,router will restart



- ✿ Before flash the firmware, pls check the firmware verify value firstly
- \Rightarrow Don't modify the 3G dial parameters at will.
- ✤ Pls don't power off during flash the firmware.

3. SMS command configuration

 $BX{-}3G$ router can change the part of configuration by SMS ,the format is :(PASS#CMD*PARAM)

3.1. Basic format

Basic format SMS: (PASS#CMD*PARAM)

"PASS" is the default password for verify the SMS, default is "A55A". "CMD" is command key word, used for indicating the configuration project.

"PARAM" is the parameter filed of the configuration items, different item have different parameter quantity, may have multiple or nothing, if multiple need use "*" to separate.

One SMS can send multiple command ,named group command ,use the" #" to separate the command it allowed maximum 8 commands together for one group ,if exceed than 8 commands , then need cut the extra ones .if the parameters have "*" or "#" (contain "/" after the escape character), must add the "/" in front of the escape character.

Keyword		Doromotor		
Integrity Field	Short field	quantity	Function	
APN	3	1	set the APN of the 3G wireless network	
ECH	с	1	open or close the SMS reply	
LIP	i	2	set router LAN IP and mask code	
PWD	р	2	modify the SMS command verify password, take effect after set it.	
RST	r	0	restart the router Ps: the restart command must use separately or put at end of the group command	
SIP	1	1/2	Set transfer server IP and port ,take effect after next connection with server	
SDN	2	1/2	Set transfer server name and port ,take effect after next connection with server The usage for this command is same to the SIP ,domain name can be exchanged with the IP	
TPN	t	1	Add the phone number of which can send SMS PS: pls avoid to use this command by empty parameter,will clean all the added phone number.	
WDC	w	3	Set the 3G wireless network dial parameters	
STA	s	0	query the device running situation ps: this command only can be used separately ,and will not effected by the ECH.	
STE	е	0	Query the device extend situation ps: this command only can be used separately ,and will not effected by the ECH.	

3.2. Command keyword list



Command	Samples	Description	
ADN	(A55A#apn*3gnet)	Sat the 2G nativerk ADN as 2 grant	
APN	(A55A#3*3gnet)	- Set the 3G network APN as 3gnet	
ECH	(A55A#ech*1)	Open the SMS reply	
ECH	(A55A#e*0)	Close the SMS reply	
	(A55A#1ip*192.168.1.1*255.25		
LIP	5.255.0)	Set the router LAN IP as	
	(A55A#i*192.168.1.1*255.255. 255.0)	Subnet mask :255.255.255.0	
	(A55A#pwd*CFPW*CFPW)	Set the SMS verify password as CFPW, the password	
PWD	(A55A#p*CFPW*CFPW)	can be changed after set two sample parameters	
RST	(A55A#rst)或(A55A#r)	-	
	(A55A#sip*112.65.247.181*501		
	0)	Set the transfer server IP as 112.65.247.181	
SIP	(A55A#sdn*112.65.247.181*501	Port is 5010	
/	0)		
SDN	(A55A#1*www.onbonbx.com)	Set the transfer server domain name as	
	(A55A#2*www.onbonbx.com*)	www.onbonbx.com port is default	
TDN	(A55A#tpn*138000011111)	Add 138000011111 as the setting phone number	
IFN	(A55A#t*)	clean all the configuration phone	
	(A55A#wdc**card*card)	set the 3G APN as empty ,user name is card ,password is card	
WDC	(A55A#w*3gnet*uninet*)	Set the 3G wireless network ,the APN is 3gnet	
WDC		User name is uninet, password is empty	
	(A55A#wdc*cmnet**)	Set 3G APN as cmnet	
STA	(A55A#sta) 或(A55A#s)		
STE	(A55A#ste)或(A55A#e)	-	

3.3. Command samples

3.4. SMS reply

When open the SMS reply function ,the router will receive the SMS command then reply the SMS ,the status is query the STA and STE no matter the SMS reply function is open or close.

after correctly receiving the STA and STE query command, the router will return the SMS which format is (A#B#C#D#E#...), the instruction is as shown in this table:

	field	Field analysis and meaning
		sample: (bx000001#1#112.65.247.181:5001#cmnet#1#V11090080)
	А	bx000001, device ID
	В	V11090080, firmware version code
STA	С	1, connect with the transfer server ; (0 is disconnect)
status	л	112. 65. 247. 181: 5001,
	D	The transfer server IP(or domain name) and port ,empty if no setting
	Е	cmnet, the APN of 3G network ,empty if no setting
	F	1, connect the 3G network; (0 is disconnect)
STE		sample: (10.35.77.84#192.168.1.1###4)



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Extend	٨	10.35.77.84, WAN IP; (maybe not the public network IP, depend on the
status	А	network carrier)
	В	192.168.1.1, router LAN IP
	С	empty, 3G network dial user name is empty
	D	empty, 3G network dial password is empty
		4, 3G wireless network signal is strong
	Е	(0: no signal, 1: weakest, 2: weaker, 3: normal, 4: stronger, 5:
		strongest)

3.5. Attentions

- ✿ 3G network operator have limitation to the SMS service for data business types of accounts, most of the data set is not contain SMS service, need to be further opened.if not opened SMS services, but use text query command and SMS reply function, could be automatically opened and produce tariffs, users will not surf the internet by arrears.
- ☆ SMS must be in English and half Angle, can't be character of the whole Angle, namely all SMS command character content must be in the status of Numbers or letters, can't input under the Chinese input method.
- ☆ The "("")" is also a part of the SMS format , must input , and no difference between the capital or small letters.
- \Rightarrow SMS command can't support the long SMS format
- ✿ The SMS command maximum character is 160
- In the SMS command parameter field, must add escape character" /" in front of the "*" "#" "/"
- \Leftrightarrow Group command is carried out by order.
- \Rightarrow If exceed than 8 nos of command ,the extra will be cut
- ✤ Set the password as fixed 4 characters , limit the number as 0-9 and 26 English letters. (need case sensitive)
- Before add any phone number ,allow any phone number to send SMS.but once add the phone number , then only allow the added phone number to send SMS
- ✿ Maximum support 3 nos of phone number , if more than 3 phone number , continue to add , the previous phone number will be replaced.



4. Software configuration samples

- ☆ this case need use the pop mapping to make virtual server computer, operation details pls check "GPRS software configuration instructions"
- ☆ connect the controller with PC by single network cable and open the LEDSHOWTW software.
- \Leftrightarrow Click setup--set screen parameters---password 888

ł
Cancel

 \Rightarrow in the controller option select the correct controller model ,in the communication mode select the onbon server-3G

📴 Parameters Setting		×
Screen list	Screen parameters Scan Configuration	Main Performance
Screen list DefaultGroup1 General 1-Screen	Screen parameters Scan Configuration Screen Name Build Position 1-Screen I Controller Storage Volume BX-5 Series BX-5M1 Official Screen Name BX-5M1 Screen width Screen height Screen width Screen height Screen Value Pixels S12 € 64 € Single color I Negative High Data Polarity OE Polarity Scan frequency Row order Normal V ONBON server-3G configuration V	Plain Performance BX-5M1 I.Maximum pixels: Single-color 32K dots(32768) Trow-colors 16K dots(16384) 2.0isplay Mode: Single-color 2046*16, 1024*32 672*48, 512*64 Two-colors 1024*16, 512*32 336*48, 526*64 3.Communication interface: 100M Network/USB 4.Sensors: Temperature/Humidity 5.Timer support 6.Support full-screen test 7.Support full-screen test 7.Support full-screen test 9.Support startup screen configuration
	BX-3G barcode Controller network ID.(12 bytes) Bind of wireless device ONBON server login Controller IP configuration http://ledwhere.com ONBON server guide The initial use and installation of BX wireless device, first click on ledwhere.com to complete the user registration. Login <onbot dtu="" management="" system="">, complete the wireless device are added. Login to ONBON server, click on the Stind of wireless device ONBON server, click on the Stind of wireless device > button, the screen to complete the wireless device and the corresponding binding. If you choose <onbox <onbox="" complete="" configuration="" controller="" ip="" one="" the="">. Recommend using IE11, Google, Firefox, UC browsers on the ledwhere.com website. Write parameters</onbox></onbot>	Cable connection EIA/TIA-568B



click "controller IP configuration", and set the "IP address" set the "IP address " as public network fixed IP, the "server port " set according to the port mapping .click the setup button to finish the IP configuration.

reen IP Information	Server IP Information
IP address	Server IP address
192.168.1.100	112.65.245.174
	Server port
Subnet mask	6061
255.255.255.0	Screen beartheat information
	Server access password(8 bytes)
Gateway	
192.168.1,1	Heartbeat interval
	20 🌲 s
	Controller network ID.(12 bytes)
a sure only one controller is in the LAN v LAN controllers as the current TP address	vnen set ip,Otnerwise, it will set all of is
CHIN CONCIONSISTS AS CHE CUITERIC IF AUGUES	5.

☆ Click the "network server configuration" and click "obtain the local IP" make port mapping, finally click the "start server"

労益中		端口	
92. 168. 100. 100	[获取本机IP]	8001	÷
启动服务器	│ _ 停止服务者	8	关闭

Disconnect the controller and PC, connect to the 3G server and waiting for the controller online then upload program

Offlino.	⊡…♥ 🗀 DefaultGroup1 È…♥ 💭 1-Screen È…♥ 💭 Program-1	onlino.	□ ▽ (□) 分组1 □ ▽ (□) 1-开幕 └ ▽ (□) 市目-1
Offline:		online:	



5. FAQ

- PWR indicator light power off ,pls check the input power voltage and polarity.
- \clubsuit RJ45 port indicator light is off ,pls check the network cable is connect or not ,or change the network cable .
- ☆ SYS indicator light is heartbeat flashing ,GTM indicator light is normal light on ,it maybe not insert the UIM/SIM card correctly ,pls insert the UIM/SIM card then power on again .
- ✿ SYS indicator light is heartbeat flashing ,GTM indicator light is fast flashing for long time .main reasons: not connect with the antenna , the weaker signal or SIM/UIM is arrearage.pls check antenna firstly ,can change antenna direction to check if the GTM indicator is flashing slowly or not .finally check the UIM/SIM fees .
- SYS indicator light is heartbeat flashing,GTM indicator light is off for long time .after restart many times ,nothing changed ,this situation ,controller need send back to factory for repair.
- ✿ SYS indicator light is on or off for long time ,after restart many times ,nothing changed ,this situation ,controller need send back to factory for repair.
- ✿ SYS and GTM light is flashing alternately , if this situation , controller need send back to factory for repair.