

# BX-3G Industrial wireless user manual

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# Catalogue

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# Chapter 1 Operations

# 1.1 Application

The requirements of PC getting into the internet: public net with fixed IP(ask from the local network operator) The requirements of controller: BX Ethernet port control cards The requirements of 3G mobile phone card: BX-3GW industrial wireless router (UMTS/HSDPA/HSUPA 850/1900/2100MHz GSM 850/900/1800/1900MHz) BX-3GE industrial wireless router (CDMA2000 1x/EVDO Rev. A 800/1900MHz) The requirements of 5V power supply: Voltage:+5V DC(direct current) input Average working current: 650mA@+5V DC Maximum instantaneous current: 2.0A@+5V DC Size: 124mm\*100mm (excluding antenna)

# 1.2 Port Mapping

### The operation of PC getting into the public net directly

No need to set port, use 8000 port directly

### The operation of PC getting into the public net by router

Check the intranet IP infos of your PC, and then change PC IP to fixed intranet IP.

网络连接详细信息	X         Internet 协议版本 4 (TCP/IPv4) 雇性         2         X
网络连接详细信息 (2):	常规
属性值	如果网络支持此功能,则可以获取自动指派的 IP 设置。否则, 您需要从网络系统管理员处获得适当的 IP 设置。
注接特定的 DNS 后缀       描述     Realtek PCLe GBE Family Co       物理地址     00-1D-72-4A-01-02       已启用 DNCP     否       IPv4 地址     192.168.1.82       IPv4 大网箱码     255.255.0       IPv4 默认网关     192.168.1.1       IPv4 WINS 服务器     192.168.1.1       IPv6 默认网关     192.168.1.1       IPv6 默认网关     192.168.1.1       IPv6 SUNGK     E       這接本地 IPv6 地址     fe80::a956:93d8:ecea:14499       IPv6 DNS 服务器         11	ntroll( ● 自动获得 IP 地址 @) ● 使用下面的 IP 地址 (2): IP 地址 (2): 192.168.1 .62 子网擁码 (2): 255.255.0 数认网关 (2): 192.168.1 .1
Picture 1	Picture 2



Open browser, input gateway 192.168.1.1 Router default ID:admin Passwords:admin (Picture 3)

Windows 安全	Ξŧ
The server 192.168.1.1 is asking for your user name and password. The server reports that it is from Fast Wireless N Router FW150R. Warning: Your user name and password will be sent using basic authentication on a connection that isn't secure.	
admin  ② 记住我的凭据	
确定 取消	

Picture 3

Enter into router, choose "virtual server" on "forwarding

rules" (Picture 4), click "add new article", input internal network IP, and the port which need to do mapping, "status" choose valid, then save (Picture 5).



## 1.3 Software setting

### 1.3.1 Single&dual color and full color BX-5Q+ series

Connect control card and computer by Ethernet line, and open "LedshowTW  $2014"\ .$ 

Click "setup" -- "set screen parameters", input "888".

Choose the correct model number in "controller", -- choose "network communication" in "communication mode", -- choose "server mode" in "network communication configuration" (Picture 6)



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□ □ 分组-1 □ □ 屏幕-1		
-	Screen Name 屏幕-1	Install Address
	Controller Type	Width Height
	BX-YQ2	640 🗘 480 😂
	1.Maximum pixels: 468	3 75K dots (480000)
	2. Display Mode: 204	
	Net Connect Mode	
	● Fixed IP mode	🚫 Server mode
	Device IP Address	Port
	192, 168, 0, 199	5005
	Change the IP address, s	ubnet mask, gateway, port, etc, click on the <control:< td=""></control:<>
	IP configuration>, carry	on if information set.
	<u></u>	
		Set parameters Close

Picture 11

Click "Controller IP configuration", set "IP address" as 192.168.1.100, -- "subnet mask" as 255.255.255.0, -- "Gateway" as 192.168.1.1; set "server IP address" as public network fixed IP, -- "server port" set according to mapping; Then, click "setup" (Picture7)

Click "network server configuration", -- click "Local IP", -- "port" set according to mapping, then, click "start the server" (Picture 8)

絡连接模式 う 固定IP模式 ・ 服务	器模式			
示屏IP信息	服务器印信息	服务器IP 192.168.1.82		端口
IP地址 192.168.1.100	服务器IP地址 222.66.141.10	192.168.1.82	获取本机IP	5082
102.100.1.100	服务器端口			
子阿掩码	5082 🚖			
255.255.255.0		启动服务器	停止服务	器
网关	访问服务器密码(8位)			
192.168.1.1	心跳间隔	💱 网络服务器端配置		
端口	20 슻 秒 网络ID编号(12位)			
5005 🚖	BX-NET000001	服务器IP		端口
请确定在使用此功能时,局	域网内只有一个控制器!否则,将会把局域网	192.168.1.82	获取本机IP	5082
的所有控制器设置为当前IP地址	<b>—</b>			
"服务器IP地址"是服务器在In 各服务器端配置"窗口中的"端口	nternet网络中的IP地址。"服务器端口"必须与" 口"参数一致!			
	设置	et - Lande - NR	(	
		自动服务器	停止服务	器 美团



#### 1.3.2 Full color YQ series setting

Connect control card and computer by Ethernet line, and open "LedshowTWYQ 2014".

```
Click "setup" -- "set screen parameters", input "888".
```

Choose correct model in "controller type", -- choose "server mode" (Picture 9)

₩ ●	屏幕参数 扫描配置 连接	11日本 11日本 11日本 11日本 11日本 11日本 11日本 11日本
· 🗀 分组-1 	屏幕名称	安装地址
	屏幕-1	
	控制器类型	宽度
	ВХ-YQ2 ▼	640 文 480 🛬
	1. 最大像素点: 300K点(	(307200)
	2.显示模式: 2048*12	:8, 640*480
	网络连接模式	
	◎ 固定IP模式	◎ 服务器模式
	网络ID编号	
	NET_0000001	控制器IP配置网络服务器端配置
	更改控制器的IP地址、 行IP信息设置。	子网掩码、网关、端口等IP信息,点击"控制器IP配置",
	×	
		设置屏参

Picture 9

Click "Controller IP configuration", set "IP address" as 192.168.1.100, -- "subnet mask" as 255.255.0, -- "Gateway" as 192.168.1.1; set "server IP address" as public network fixed IP, -- "server port" set according to mapping; Then, click "setup" (Picture 10)

Click "Network Server Configuration", -- click "obtain IP of this PC", -- "port" should be the same with mapping port, then click "start server".

显示屏IP信息	服务器模式 服务器IP信息	服务器IP地址 192.168.1.82	本地IP	服务器端口
IP地址 192.168.1.100	服务器IP地址 222.66.141.10			
子网掩码 255.255.255.0	服务器端口 5082 🚖	启动服务器	停止服务器	关闭
网关	显示屏心跳信息 心跳间隔			
192. 168. 1. 1	20 🔶 秒	<b>By</b> 服务器设置		<u>ε Σ</u>
192.168.1.1 第日 5005 章		段 服务器设置 服务器IP地址		服务器端口
端口 5005 文	20 一 秒 网络ID编号		本地IP	服务器端口 5082 🔶



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Picture 10

Picture 11

# 1.4 Hardware Connection

Insert 3G phone card to BX-3G factory wireless router Connect antenna Connect BX-3G and controller by Ethernet line Connect 5V DC power for controller and BX-3G

# Chapter 2 Trouble removal

In the application of BX-3G factory wireless router, you may get the prompt that "cannot connect to ledshow software, well, mostly, it's the problem of settings on software and hardware connection.

### Problem of software setting

Cannot get online, the icon mark does not turn from red color to blue color, Telnet command failed. Virtual server set failed, then, please check the router port mapping is turned on or not, and the mapping port is limited by firewall or not.

Cannot get online, the icon mark does not turn from red color to blue color, telnet command succeed. Please try to close firewall, anti-virus software and some other safe-defend software.

Software online, the icon mark turned to blue color, set parameters failed. It maybe the problem of controller setting and hardware connection, please re set controller IP, and check hardware connection.

### Problem of hardware connection

Red color does not light (check your power supply, the connection is correct or not).

Ethernet port indicator does not light(Please check your internet connection, and check you have connected Ethernet line or try to change the Ethernet line).

Yellow light is flashing(like heartbeat), and blue indicator light is always on. The problem is maybe you do not insert 3G phone card correctly. You need to insert 3G phone card first and then, connect power supply.

Yellow light is flashing(like heartbeat), and blue indicator light is flashing fastly. The possibilities: do not connect antenna, weak signal or 3G phone card does not charge. Please check the antenna first; move the place of antenna, and



check the blue indicator light(turn to slow or not); Lastly, check the fee in your phone card.