

XL-PB350CA

EoC bridge slave

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Packing List

- ◆ 1pcs EOC Intelligent Slave
- ◆ Power adapter 12V-1A
- ◆ User manual
- ◆ Cat5 cable

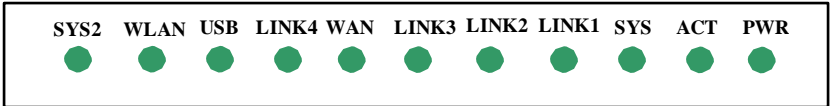
Installation Environment

In order to guarantee that the equipment work normally for a long time, it is recommended to use it in the environment as follows:

1. Stay away from heat and keep ventilated
2. Place the device on a flat level surface
3. Place the device in the dry environment without dust

Note: Please use the rated power, in order to guarantee that the equipment work normally.

Indicator Light



Indicators Description

PWR	Power indicator	Always OFF Always ON	No power connected Power connected
ACT	Connection indicators between master and slave	Always OFF Flash	No connection Connection
SYS	System indicator	Always OFF Always ON	Not start system Work normally
LANK1-3	Eth 1-3 indicators	Always OFF	There is no equipment connected at this port
		Flash	Data communication
LANK4	Wan port indicator	Always OFF	The port isn't connected
		Flash	The port is connected
USB	USB connection indicator	Always OFF Always ON	USB device isn't connected USB device is connected
Wireless	Wireless status indicator	Always OFF	There is no equipment connected

			at this port
		Flash	There is an equipment connected at this port
SYS2	Low frequency range	ON	Device works at 7.5-30M
		OFF	Device works at 7.5-65M

Port and Button

CABLE: Mixed signal input

TV: TV signal output

Reset: Restore the factory settings

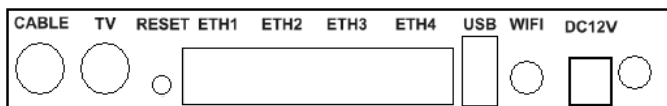
Eth1-3: Eth ports (Managed by Master)

Eth4: LAN port of the router, could login WEB interface to manage WIFI by this port, support the route function, and is managed by Slave.

USB: Save the downloaded file to mobile HDD by USB port (Reservation)

WIFI: WIFI switch (Reservation)

DC12V: Power Supply



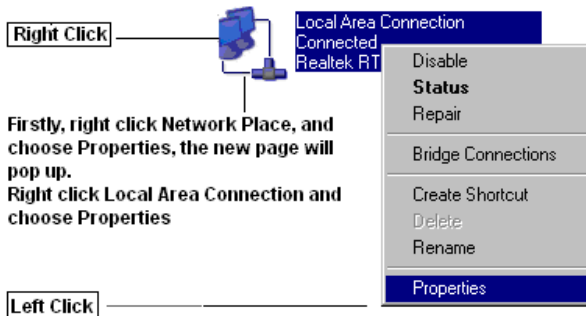
1. Equipment Connection



Equipment connection diagram as shown above:

EOC slave with WiFi supports four Eth ports (Eth1-Eth3). Among them, Eth1-Eth3 are Eth ports. LAN4 is LAN port of the router. The default IP address of WIFI management port LAN 4: 192.168.1.1.

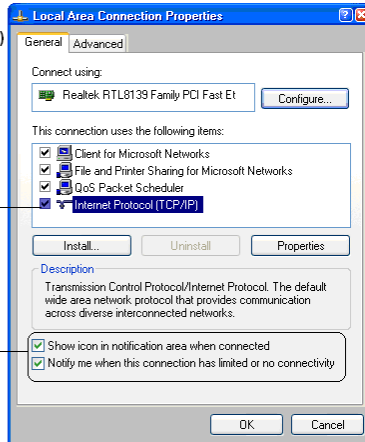
2. Set Accessed PC



Choose Internet Protocol (TCP/IP)
and double left click

Double Left Click

It's advised to choose
these items

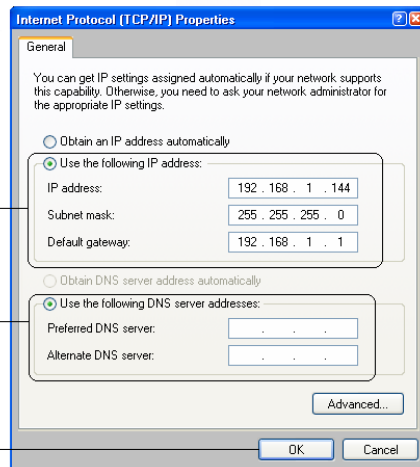


Choose
Use the following IP address
Use the following DNS server
address

IP: 192.168.1.X(2≤X≤254)
Subnet mask::255.255.255.0
Default gateway:192.168.1.1

Please consult your
operator

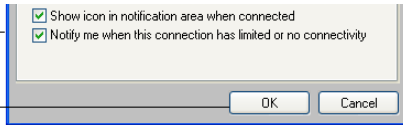
Left Click



Note: The user also could choose Obtain an IP address automatically.
But we advice you set IP address of PC manually.

It will be back to the upper layer after click OK

Left Click



Note: Please restart the slave when complete all settings at WEB interface.

3. WIFI WEB Configuration

3.1 Login WEB Interface

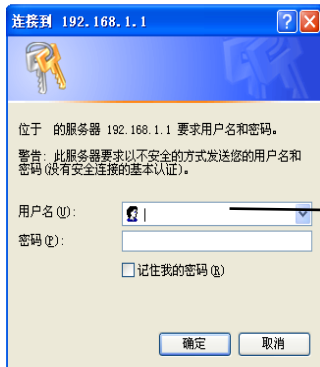
First:

Open IE browser, input `http://192.168.1.1`, and press Enter



`http://192.168.1.1`

Second:



Immediately pop up a new dialog box, enter the default user name and password, and then click login.

Username: admin
Password: admin

Third:

After the login, enter WIFI settings interface. The user could check

WAN interface status, LAN interface status, Wireless status, WAN interface Flow count and System info by **Status** on the left side.

WAN Interface Status

Access Mode: Static IP address
MAC address: 00:03:7F:11:4C:47
IP Address: 192.168.10.41
Submask: 255.255.255.0
Gateway: 192.168.10.1
DNS Servers: 202.106.195.68,211.144.220.18

LAN Interface Status

MAC address: 00:03:7F:11:4C:46
IP Address: 192.168.1.1
Submask: 255.255.255.0

Wireless Status

Wireless: Enable
SSID: internet
BSSID: 00:03:7F:42:0C:46
Authentication Mode: None
Channel: Manual(Current channel6)
Mode: 802.11b/g/n

WAN Interface Flow Count

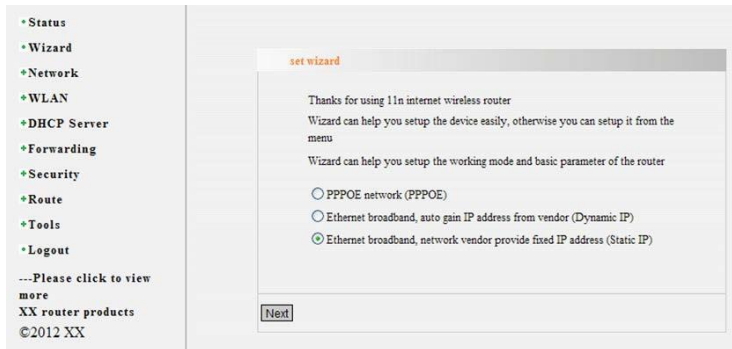
Send Bytes: 174204
Receive Bytes: 0
Send Packages: 2862
Receive Packages: 0
Run Time: 0d-2h-16m-15s

System Info

Software Version: 0.0.1 build multi
Build Date: 2013-02-22-13:52

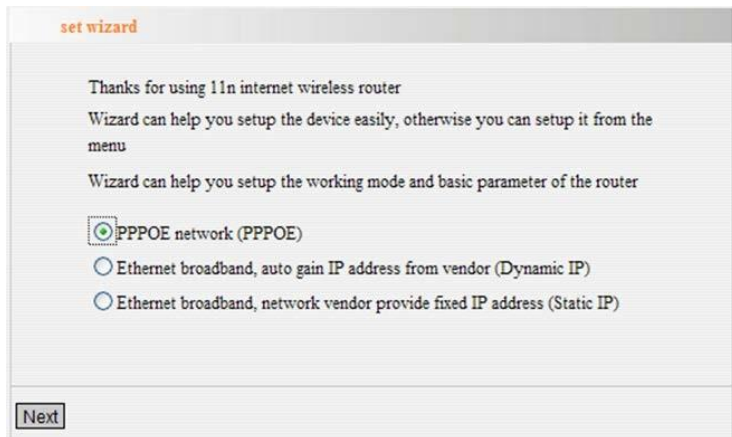
3.2 WAN Configuration

Click **Wizard** on the left side to enter WAN settings interface. The default mode is DHCP obtain an IP address automatically:



3.2.1 PPPOE Settings

Choose **PPPOE**, click **Next**, input the account and password provided by operators, as shown in the picture below, finally click “**Save**”



setting wizard-PPPoE

When you apply for a dial-up service, Internet service providers will provide you Internet account and password, corresponding to fill in the next box. If you have forgotten or is not clear, please consult your network service provider.

account:

password:

set wizard

Congratulations! You have successfully completed the the Internet required basic network parameters settings, reboot the router and you can use the internet. If you need to do further settings, click the other menu.

Click "Save" to save the parameters and end the quick set.

3.2.2 Dynamic IP Settings

set wizard

Thanks for using 11n internet wireless router

Wizard can help you setup the device easily, otherwise you can setup it from the menu

Wizard can help you setup the working mode and basic parameter of the router

PPPOE network (PPPOE)

Ethernet broadband, auto gain IP address from vendor (Dynamic IP)

Ethernet broadband, network vendor provide fixed IP address (Static IP)

Next

Note: It's necessary to make any settings here if you choose **Dynamic IP**, and click **Next** directly to complete configuration.

3.2.3 Static IP Settings

Choose Static IP, click Next, input manually IP address, subnet mask, gateway and Preferred DNS provided by operators, and doesn't have to fill in Alternate DNS, finally click "**Save**"

setting wizard-static IP

When you apply the Ethernet broadband services, and has a fixed IP address, Internet service providers will provide you some of the basic network parameters, corresponding to fill in the following box. If you have forgotten or is not clear, please consult your network service provider.

IP Address:

Submask:

Gateway:

Preferred DNS:

Alternate DNS: (optional)

Note: IP address, subnet mask, gateway and Preferred DNS and Alternate DNS only as the example, please consult the specific parameters with your operators.

3.3 Network Parameter

3.3.1 Bridge

It supports to bind the business and the specific port, and support to assign VLAN to the business. Currently the supported businesses are Internet, VOIP, VOD and TR069. VLAN ID and the binding port can be changed by configuration.

Bridge Setting

Business Type: (1-4094)

VLAN ID:

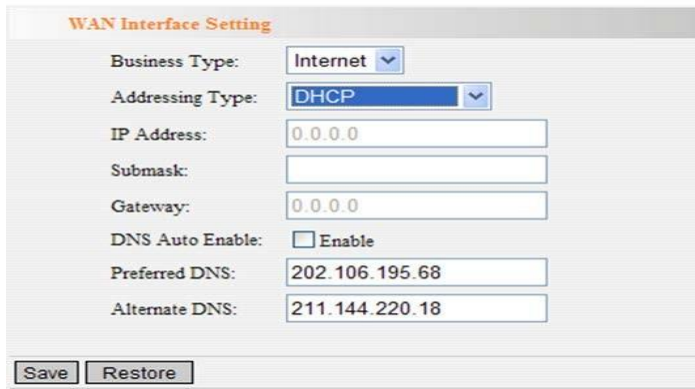
LAN Interface:

3.3.2 WAN Interface Settings

Here could three modes are optional: DHCP, Static IP and PPPOE.

◆ DHCP

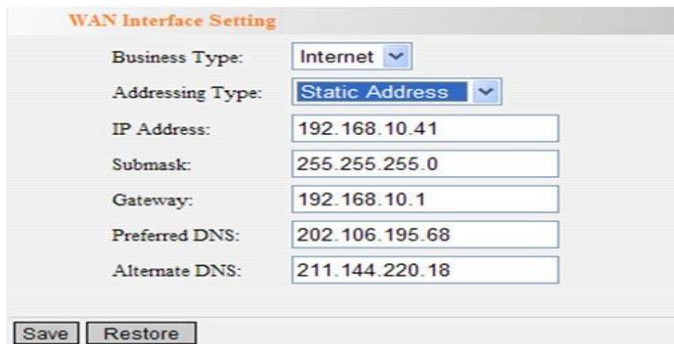
Addressing Type chooses DHCP, DNS Auto Enable is Enable. DNS address may or may not be filled in. Finally save the configuration.



The screenshot shows the 'WAN Interface Setting' window. The 'Business Type' is set to 'Internet'. The 'Addressing Type' is set to 'DHCP'. The 'IP Address' field contains '0.0.0.0'. The 'Submask' field is empty. The 'Gateway' field contains '0.0.0.0'. The 'DNS Auto Enable' checkbox is checked, with the label 'Enable' next to it. The 'Preferred DNS' field contains '202.106.195.68'. The 'Alternate DNS' field contains '211.144.220.18'. At the bottom, there are 'Save' and 'Restore' buttons.

◆ Static Address

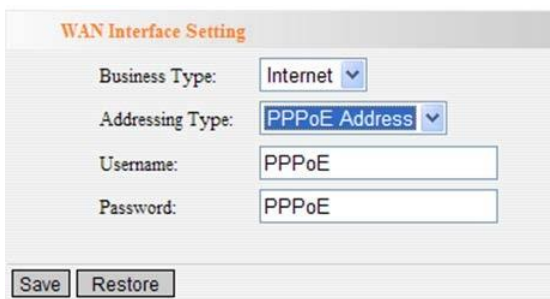
Fill in IP address, subnet mask, gateway and the domain name, and then save the configuration.



The screenshot shows the 'WAN Interface Setting' window. The 'Business Type' is set to 'Internet'. The 'Addressing Type' is set to 'Static Address'. The 'IP Address' field contains '192.168.10.41'. The 'Submask' field contains '255.255.255.0'. The 'Gateway' field contains '192.168.10.1'. The 'Preferred DNS' field contains '202.106.195.68'. The 'Alternate DNS' field contains '211.144.220.18'. At the bottom, there are 'Save' and 'Restore' buttons.

◆ PPPOE

Fill in the username and password of PPPOE, and then save the configuration.



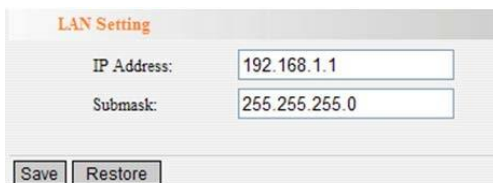
The image shows a 'WAN Interface Setting' configuration window. It contains the following fields and controls:

- Business Type:** A dropdown menu with 'Internet' selected.
- Addressing Type:** A dropdown menu with 'PPPoE Address' selected.
- Username:** A text input field containing 'PPPoE'.
- Password:** A text input field containing 'PPPoE'.
- At the bottom, there are two buttons: 'Save' and 'Restore'.

Note: IP address, subnet mask, gateway and Preferred DNS and Alternate DNS only as the example, please consult the specific parameters with your operators.

3.3.3 LAN Settings

Fill in IP address, subnet mask, and then save the configuration. Please login WEB interface according to this IP address next time.



The image shows a 'LAN Setting' configuration window. It contains the following fields and controls:

- IP Address:** A text input field containing '192.168.1.1'.
- Submask:** A text input field containing '255.255.255.0'.
- At the bottom, there are two buttons: 'Save' and 'Restore'.

3.4 WIFI Settings

3.4.1 Basic WIFI Settings

The screenshot shows a 'Basic Setting' window for WIFI configuration. The settings are as follows:

Business Type:	INTERNET
Wireless:	<input checked="" type="checkbox"/> Enable
SSID:	internet
SSID Hide:	<input type="checkbox"/> Enable
BSSID:	00:03:7F:42:0C:46
Wireless Protocol:	802.11b/g/n
Speed:	Auto
Tx Power:	100%
Authentication Mode:	None
Channel Auto Selection:	<input type="checkbox"/> Enable
Channel Selection:	6

At the bottom of the window are two buttons: 'Save' and 'Restore'.

- Current Business Type
- Enable or Disable WIFI
- Set WIFI name
- Enable or Disable WIFI Access
- Equipment MAC address
- Set the wireless protocol of
- Set the rate of
- Set the transmitted power of
- Set password
- Enable or Disable Channel Auto Selection
- Channel Selection: Advice to choose 1, 6 and 11 frequency range

Please note when choose the protocol:

- 11Mbps (802.11b): The maximum rate is 11Mbps

- 54Mbps (802.11g): The maximum rate is 54Mbps, downward compatible with 11Mbps
- 150Mbps (802.11n): Static 150 MBPS, and can be compatible with the above three kinds of working modes

3.4.2 Wireless Security Guide (Authentication Mode)

The user could not choose authentication mode, and also could choose WEP, WPA, WPA2 or WPA mixed mode.

◆ WEP

- Encryption can be Open or Share
- Key Length can be 64bits or 128bits
- Key Format can be ascii or Hexadecimal mode
- Current key: Totally four keys are optional. The key is valid when only selected as Current key.

The screenshot shows a configuration window for WEP security. The 'Authentication Mode' is set to 'WEP'. The 'Channel Auto Selection' checkbox is unchecked. 'Channel Selection' is set to '6'. 'Encryption' is set to 'Share'. 'Key Length' is set to '64bits'. 'Key Format' is set to 'hex'. 'Current Key' is set to '1'. There are four text input fields for keys, all containing the value '3031323334'.

Authentication Mode:	WEP
Channel Auto Selection:	<input type="checkbox"/> Enable
Channel Selection:	6
Encryption:	Share
Key Length:	64bits
Key Format:	hex
Current Key:	1
Key1:	3031323334
Key2:	3031323334
Key3:	3031323334
Key4:	3031323334

◆ WPA , WPA2 or WPA mixed mode

- WPA encryption can be TKIP, AES or TKIP&AES mode, and input WPA Key.

The image shows a configuration window for wireless settings. It contains the following fields and controls:

- Authentication Mode:** A dropdown menu set to "WPAmix".
- Channel Auto Selection:** A checkbox labeled "Enable" which is currently unchecked.
- Channel Selection:** A dropdown menu set to "6".
- WPA Encrypt:** A dropdown menu set to "AES".
- WPA Key:** A text input field containing the value "0123456789".

At the bottom of the window, there are two buttons: "Save" and "Restore".

Finally click Save. The slave will be restarted, and the wireless settings succeed

Note: The different key formats and types will affect the length of the key contents.

3.4.3 Advanced Settings

Wireless advanced Settings can set up the wireless function in detail, apart from the basic wireless Settings, it includes, for example: beacon interval, data rate, etc. Please keep the default Settings when you don't understand rules of these Settings.

WMM: (wi-fi MultiMedia) It can improve wireless MultiMedia data transmission performance (such as: video or online broadcast) if open this function. If you are not familiar with WMM, set to open. UAPSD: Automatic power saving mode, default to close.

Extension Setting

Business Type:

AP Isolated: Enable

SHORT GI: Enable

BG Protection Mode: Enable

RTS Min Size (byte): (256-2346)

Beacon Cycle: (40-1000)

DTIM Interval: (1-255)

WMM: Enable

UAPSD: Enable

Channel Width:

Band Side Select:

3.5 DHCP Server

3.5.1 DHCP Service

Enable DHCP Server, and set the start and end address of IP pool. The default expiration time is one day, and the user can change it. Finally click Save to complete the settings.

DHCP Service Set

DHCP Server: Enable

IP pool start address:

IP pool end address:

Expiration Time:

3.5.2 Client List

Show the name, MAC address, IP address and the valid name of the client end which is accessed to this AP currently.

Client List				
ID	Client name	MAC address	IP address	valid time
1	my_computer	00:1f:e2:cd:03:7c	192.168.1.100	21h-35m-44s

Refresh

3.5.3 Static Address Assign

In order to facilitate the user to control the IP address of the slave in the local area network (LAN), the salve provides the built-in static address allocation function. Static address allocation table can reserve a static IP address for the specific MAC address slave. After the slave requesting DHCP server to send IP address, DHCP server will assign this reserved IP addresses to it.

Static assign				
ID	MAC address	IP address	Enable	operate
1	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="button" value="add"/>

Save

3.6 Forward

3.6.1 Virtual Server

Fill in the mapping port of the external network, the real port of the internal network, the internal network IP address, choose the protocol type, click **Enable** and **Add**, finally **Save** the settings. And could delete the items directly when don't need it.

The user could choose **Common Server Port** number to generate the

corresponding service, and also could add the corresponding service.

ID	External port	Internal port	Internal IP	protocol	Enable	operate
1	21	21	192.168.1.103	TCP	<input type="checkbox"/>	delete
2				TCP	<input checked="" type="checkbox"/>	add

Common Service Port: --Please select--

Save

3.6.2 DMZ Host

Click Enable, input DMZ Host IP address (Usually is the internal IP address), and Save finally.

Attention: when DMZ host set, the related firewall set will disable.

DMZ Host IP address:

Enable: Enable

Save Restore

3.6.3 ALG

Some early designed protocols at the application layer, such as FTP and TFTP, often cannot work normally after through the NAT devices.

In this case, you can Enable ALG of the corresponding protocol to overcome these problems on this page.

ALG Application Set

ALG Switch: Enable

H323: Enable

SIP: Enable

RTSP: Enable

FTP: Enable

L2TP: Enable

IPSEC: Enable

3.7 Security

3.7.1 MAC Filter

Enable **MAC Filter**, fill in MAC address, description (could not fill in), and click Add. And could delete the items directly when don't need it.

Enable **Set the MAC address filtering to control whether a computer can access the router**. Finally **Save** the settings.

MAC Filter

Set the MAC address filtering to control whether a computer can access the router Enable

ID	MAC address	description	Enable	operate
1	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="button" value="add"/>

Only allow MAC address in the MAC address list access the router

Only forbidden MAC address in the MAC address list access the router, but other MAC address can access it

3.7.2 IP Filter

The settings method is the same as 3.7.1

The screenshot shows the 'IP Filter' configuration page. At the top, there is a title 'IP Filter' and a description: 'Set the IP address filtering to control whether a computer can access the internet' with an 'Enable' checkbox. Below this is a table with columns: 'ID', 'IP Address', 'Enable', and 'operate'. The first row contains the value '1' in the ID column, an empty text box in the IP Address column, a checked checkbox in the Enable column, and an 'add' button in the operate column. Under the table, there are two radio button options: 'Only allow IP address in the IP address list access the internet' (selected) and 'Only forbidden IP address in the IP address list access the internet, but other IP address can access it'. At the bottom left, there is a 'Save' button.

3.7.3 URL Filter

The settings method is the same as 3.7.1

The screenshot shows the 'URL Filter' configuration page. At the top, there is a title 'URL Filter' and a description: 'URL is short of the universal resource locator, it is also called the webpage. URL is composed of three parts: the protocol type, host name, the path and the file name, we can set the corresponding webpage according to the format.' Below this is a table with columns: 'ID', 'Domain', 'Enable', and 'operate'. The first row contains the value '1' in the ID column, 'http://www.' followed by an empty text box in the Domain column, a checked checkbox in the Enable column, and an 'add' button in the operate column. At the bottom left, there is a 'Save' button.

3.8 Router Function

3.8.1 Static

Add Destination IP, Subnet Mask and gateway. Click Add and Save.

The settings can be deleted directly by the final part when the user doesn't need it.

- Wizard
- Network
- WLAN
- DHCP Server
- Forwarding
- Security
- **Route**
 - Static Route
- Tools
- Logout

...Please click to view

Static Route

Static routing is the manual configuration of the routing information which is defined by the network administrator or the user. Make sure that the router has the interface which can arrive the destination network when the static routing is set, otherwise, routing entries added are discarded in local this is because it can not reach the destination network.

ID	Destination IP	Subnet Mask	Gateway	Enable	operate
1	192.168.10.13	255.255.255.0	192.168.10.1	<input type="checkbox"/>	delete
2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input checked="" type="checkbox"/>	add

3.9 Tool

3.9.1 Time Settings

- Status
- Wizard
- Network
- WLAN
- DHCP Server
- Forwarding
- Security
- Route
- Tools
- **Time**

Time Setting

First please select your time zone, then enter the server address, and finally click "Save" to complete the system time set.

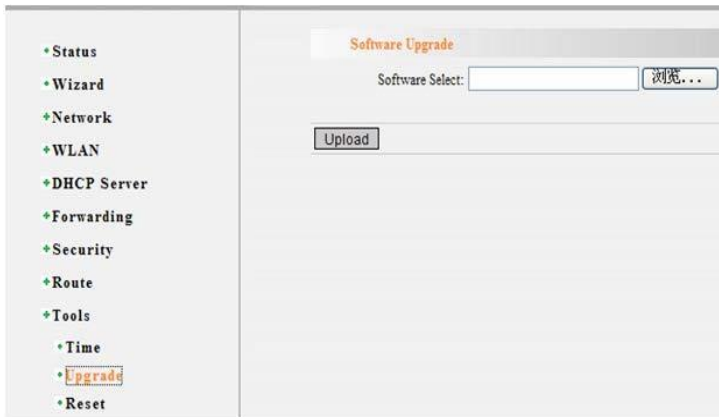
Automatically synchronize: Enable

Time Zone: (GMT+08:00)Beijing, Hong Kong, Macao, Taipei ▼

Time Server1:

Time Server2:

3.9.2 Software Upgrade



3.9.3 Reset



3.9.4 Config File

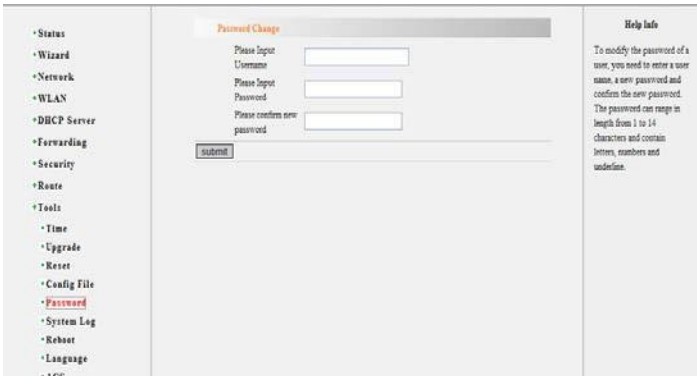
Choose the file with xml format to upgrade. The equipment would run the new config after upgrading. Please find the attached file in the config file about the new username, password and IP address of Eth ports.

Could download the config file to the local PC by **Configure Download**



3.9.5 Password

Input the username and the old password, and submit it. Then the password is changed.



3.9.6 System Log

This function can record log information of the slave after starting the system. Maximum 650 log information can be recorded; Click

Download Log to download the log to the local PC; Choose the "level", the system will only record the log which level is less than or equal to the level of system log; Click the "Page Down" and "Page Up" to view all recorded log information.

System Log				
log content	time	module	level	log content
0000-00-00 02:12:33	www	3	admin	login
0000-00-00 02:13:12	www	3	admin	logout
0000-00-00 02:10:28	www	3	admin	login
0000-00-00 01:59:59	www	3	admin	logout
0000-00-00 01:21:00	www	3	admin	login
0000-00-00 01:20:19	www	3	admin	logout
0000-00-00 01:15:11	www	3	admin	login
0000-00-00 01:15:04	www	3	admin	logout
0000-00-00 01:08:29	www	3	admin	login
0000-00-00 01:08:19	www	3	admin	logout
0000-00-00 01:02:14	www	3	admin	login
0000-00-00 01:02:09	www	3	admin	logout
0000-00-00 00:54:50	www	3	admin	login
0000-00-00 00:54:19	www	3	admin	logout
0000-00-00 00:49:04	www	3	admin	login
0000-00-00 00:35:49	www	3	admin	logout
0000-00-00 00:30:28	www	3	admin	login
0000-00-00 00:29:59	www	3	admin	logout
0000-00-00 00:20:38	www	3	admin	login
0000-00-00 00:11:19	www	3	admin	logout
0000-00-00 00:05:53	www	3	admin	login
0000-00-00 00:00:43	wlan	3	wifi opened, ssid is vod	
0000-00-00 00:00:42	wlan	3	wifi opened, ssid is vosp	
0000-00-00 00:00:40	wlan	3	wifi opened, ssid is internet	
0000-00-00 00:00:36	master	3	boot successful!	

download log

Page Down

Help Info

This option can record the log information of router from boot up to the present, the system can store up to 650 log information. Click on the "download log" can be downloaded to a local system log. Select the "level", the system will only record level less than or equal to the level of system log, click "previous page" and "next page" can see all stored log information.

3.9.7 Reboot

Reboot		Help Info
<p>If you restart the device, the network will temporarily interrupt!</p> <p>Reboot</p>		<p>The device will automatically reboot! If the page does not refresh, please update the network settings of your computer and log on again!</p>

3.9.8 Language

The user could switch the language here.

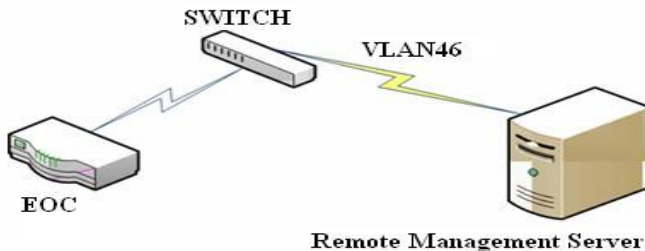


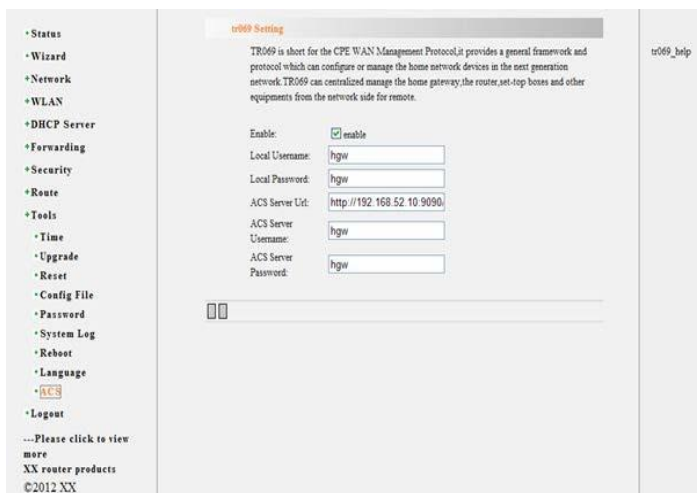
3.9.9 Remote Management

Configuration Step

- Connect EOC with the switch
- Connect Remote Management Server with the switch, and set VLAN, the default settings is VLAN46.
- Set IP address of EOC and Remote Management Server, and sure they could work normally

Set the remote management interface, add ACS server address, and only change IP address, finally **Save**.





3.10 Logout

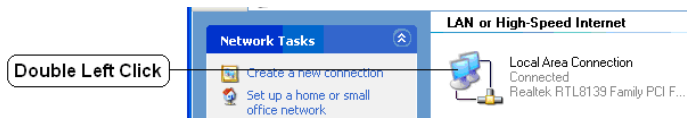


4. Test the wireless signal

Step 1:

First of all, you must make sure your computer is configured wireless network card before using a wireless network.

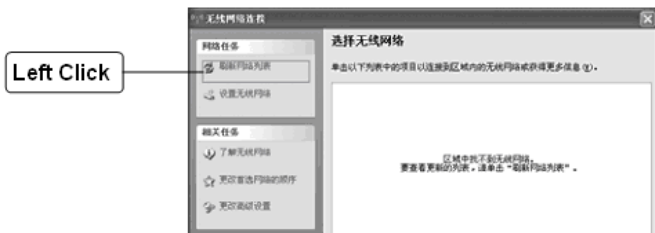
The following setup steps are based on Windows 2000 / XP built-in wireless network configuration program. The different card maybe uses the different configuration software, please subject to your network card configuration program. If your network card does not support Windows wireless configuration program, the following setup steps may not be able to help you detect the wireless network.



Note: Wireless network connection indicates that you have installed the wireless network card. If don't this connection, please check your wireless network card is available.

Step 2:

Refresh network list in the new pop-up dialog box



Note: If don't show this page after double click wireless network connection, please right-click wireless network connection, and choose the available wireless connection (V).

Step 3:

After refreshing the network list, you will see your slave's SSID. It indicates WIFI function of your slave work normally.



Your slave's SSID, double click the connection

Step 4:

If WIFI part of your slave set the wireless security. You need input password after double click, which you set at WEB interface.



Input password

Step 5: Connection successful



Show the connection is successful

5. Trouble shooting

5.1 When PC is connected with LAN port of the slave, the corresponding indicator light is OFF?

Answer: Maybe your network cable has a problem, or maybe a

network card, PCI slot, etc., please once again check the related equipment.

5.2 How to reset the slave (Restore the factory settings)?

Answer: On the rear panel of the equipment, there is a round hole. This is Reset button. Or login WEB interface to reset the slave.

Step: Login WEB-->Tools-->Reset -->Reset button

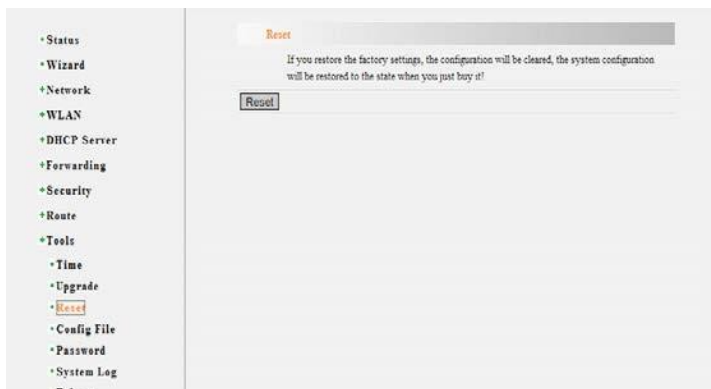
After restore the slave to the factory settings, the default information as follow:

Username: admin

Password: admin

IP address: 192.168.1.1

Subnet mask: 255.255.255.0



5.3. “WAN Interface Status” shows all configured parameter, but the internet is still not available?

Answer: The reason maybe:

1. Not correctly configure the slave's own firewall; If you don't rather know the firewall of the slave, it is recommended that you turn off this

function: "Security" - > "Firewall Settings," not enable firewall (main switch), then click "Save". If you need to know more information about the firewall function, please contact our technical support

2. Your computer's DNS Settings of your computer is incorrect, please make sure that your computer's DNS information is the same with DNS information of the slave at "WAN Interface Status". If not same, please manually set DNS. Please refer to: Set your computer.

5.4. Can't login WEB interface of the slave?

Answer: Please check respectively from the following aspects:

1. Make sure the network segment of your computer's IP address is the same with LAN port of the

2. Check the network cable is connected to the correct port (LAN), and the corresponding indicator light (Indicator lights of network card and the) is normally flash;

3. Please make sure that your Internet explorer browser setting is correct. In the top row of the IE browser, "Tools" - "Internet options" - "Connections" to delete all "dial-up and virtual private network Settings" item, or each item attribute is set to "never dial-up connection". And cancel the Internet explorer browser to work offline state, i.e., remove the Internet explorer browser "File" - "work offline".

5.5. y not show parameters at “WAN Interface Status”?

Answer: This kind of circumstance suggests that your slave is not connected to the Internet successfully. First of all, please make sure the network cable is connected correctly, and see if the indicator light of slave WAN port is normal. Second, please take a look at the

recorded information at "Tools" -- "System log ". If the system log records that "password authentication failed", so maybe your username and password input is wrong, please confirm again and fill in again.

If the above method still can not solve the problem, maybe need to refresh your lines. Please make slave and ADSL modems (if you have this equipment) without electricity simultaneously for 5-10 minutes before use again

5.6. Can't find the name of the wireless signal?

Answer:

1. Confirm to open the wireless function
2. Confirm not hide SSID
3. Confirm the accessed device supports wifi function
4. If can't resolved it by the above methods, please restore the slave to the factory Settings by WEB interface

1. EOC isn't started

1) Check if the external power supply is correct.

2) Monitor if programs are started by Console port

2. There is no response at the serial port connection

1) Check the external power supply is correct.

2) Check if the serial port line sequence is correct.

3) Confirm the indicator light of the system is correct. If not, please contact the operator.

3. There is no response when USB is inserted into the equipment

1) Observe the program by Console port. There is no problem if show as the follow information, otherwise, please return it to the supplier for maintenance.

```
Setting Drop CRC Errors, Pause Frames and Length Error frames
scsi 0:0:0:0: Direct-Access    SanDisk Cruzer Blade    1.26 PQ: 0 ANSI: 5
sd 0:0:0:0: [sda] 31266816 512-byte logical blocks: (16.0 GB/14.9 GiB)
sd 0:0:0:0: [sda] write Protect is off
sd 0:0:0:0: [sda] Assuming drive cache: write through
sd 0:0:0:0: [sda] Assuming drive cache: write through
sda: sda1
sd 0:0:0:0: [sda] Assuming drive cache: write through
sd 0:0:0:0: [sda] Attached SCSI removable disk
```

The above information indicates the equipment isn't installed well, and can't login WEB interface.

1) The hardware connection is correct?

Link indicator light of the corresponding LAN port on the front panel and computer network card indicator must be ON.

2) The computer's TCP/IP Settings is correct?

If the IP address of the computer is automatic extracting described above, not need to be set. If you manually set IP, please note that if IP address of the router function is 192.168.1.1, then the computer IP address must be 192.168.1. X (X is any integer between 2 to 254), the subnet mask must be set to 255.255.255.0, and the default gateway must be set to 192.168.1.1.

Attachment

Clauses of Maintenance for Communication Series Products.

If you buy the communication series products manufactured by our company, we'll provide free maintenance and replacement service of 1 year.

If inconsistent with the specific warranty terms, subject to contract:

1. If the product is applied correctly according to the operation manual, but happened failures under the normal application condition, in 2nd and 3rd year, we would only charge the cost of the components.
2. In the following cases, the maintenance cost will be charged(The cost fee of the components and labor)
 - a. Stricken by thunder high voltage, watering.
 - b. Damage caused by accidents.
 - c. Product exceeds the warranty period.
3. Manufacture statement

After receiving your goods, please check them and send back the receipt to our company. We will keep it in the archives as equipment warranty proof. Otherwise, our company will deem that the customers give up warranty service.