DIGISOL™

Quick Installation Guide

RANGER SERIES

WIRELESS ACCESS CONTROLLER, 5GE LAN, 2GE WAN, 1GE DMZ, USB

DG-WU2005V

V1.0
2015-08-26

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Trademarks:

Package Contents

The following items should be present in your package:

- DG-WU2005V
- Power Cord
- Patch Cord (1 No.)
- Rack Mount Kit
- Installation Guide CD (includes User Manual & QIG)

Make sure that the package contains above items. If any of the listed items is damaged or missing, please contact your retailer immediately.

Product Overview

Congratulations on your purchase of this outstanding product: DG-WU2005V Multi-Service Gateway with WLAN Controller. The multi-service security gateway comes with fruitful functions to meet SMB fast growing intranet access requirement. Multi-WAN NAT function allows multiple clients to have high speed access. VPN technology can enable secure access within intranet. By AP controller function, it is easy to deploy Wi Fi access infrastructure. Firewall and access control can prevent from hackers attack and avoid unproductive activity. Friendly setting and professional network management function, supervisor can easily take control of whole intranet. Besides being used for SMB corporate, when combined with various other gateway series, it is also quite suitable for commercial, mobile office, hot spot deployment and M2M-IoT application. For optimal IT investment, DG-WU2005V will guarantee maximum ROI and highest reliability.

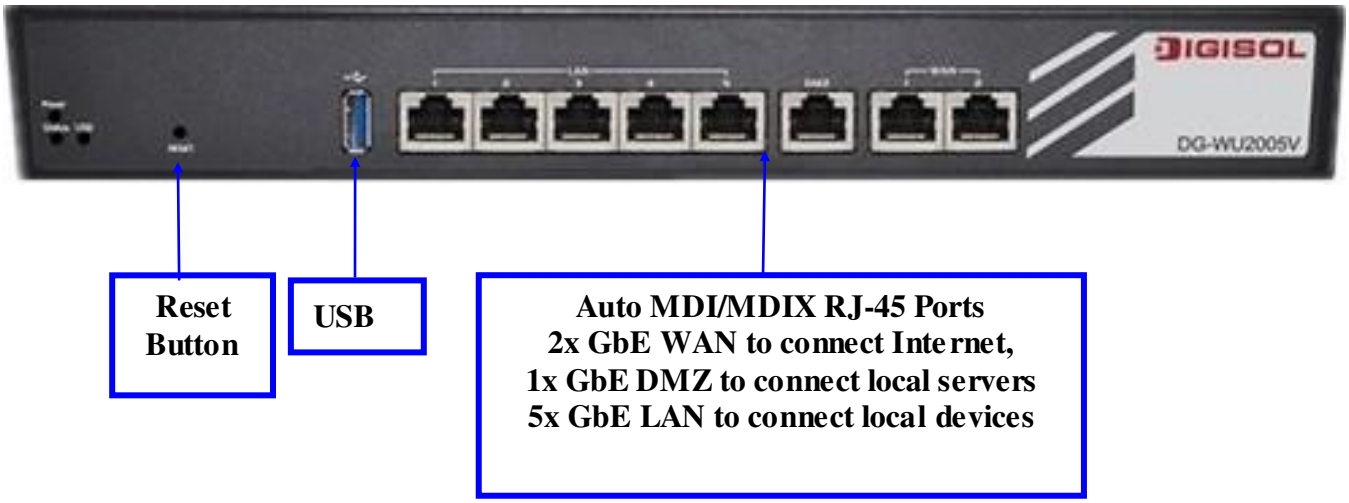
Instructions for installing and configuring this product can be found in this manual. Before you install and use this product, please read this manual carefully for fully exploiting the functions of this product.

System Requirements

The following system requirements are recommended

Network Requirements	• An Ethernet RJ45 cable or DSL modem • 10/100/1000 Ethernet adapter on PC / NB.
Web-based Configuration Utility Requirements	**Computer with the following:** • Windows®, Macintosh, or Linux-based operating system. • An installed Ethernet adapter. **Browser Requirements:** • Internet Explorer 6.0 or higher • Chrome 2.0 or higher • Firefox 3.0 or higher • Safari 3.0 or higher.
CD Installation Wizard Requirements	**Computer with the following:** • Windows® 7 / 8, Vista®, or XP with Service Pack 2. • An installed Ethernet adapter. • CD-ROM drive.

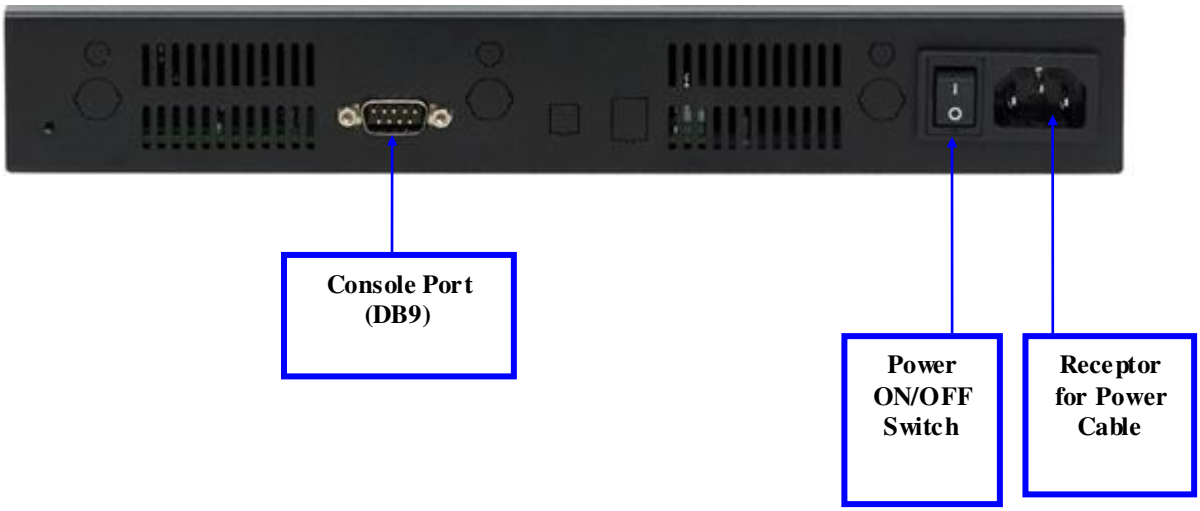
Front View



The below mentioned table illustrates the working of the LED indicators:

LED	Description
Power	OFF: Device is powered down.
	Green: Device is powered on.
Status	Green in flash: Device is in normal operation.
	Green in fast flash: Device is in recovery mode or abnormal state.
USB (for 3G/4G)	OFF: USB 3G/4G connection is not established.
	Green: USB 3G/4G connection is established.
	Green in flash: data packet transferred via USB 3G/4G.
LAN-1 ~ LAN-5 / DMZ	Green: Ethernet connection is established.
	Green in flash: data packet transferred via Ethernet.
	OFF: No Ethernet cable attached or Device not linked.
WAN-1 / WAN-2	Green: Ethernet connection is established.
	Green in flash: Data packet transferred through WAN.
	OFF: No Ethernet cable attached or Device not linked.

Rear View


Console Port
(DB9)
Power
ON/OFF
Switch
Receptor
for Power
Cable

Getting Started

Before you can use this product, you need to connect your PC or NB to this gateway first. You can connect your PC to one of LAN1~LAN5 ports through an Ethernet cable.

You can browse web UI to configure the device. Firstly you need to launch the Setup Wizard browser first and then the Setup Wizard will guide you step-by-step to finish the basic setup process.

Browse to Activate the Setup Wizard

Type in the IP Address **(http://192.168.123.254)**

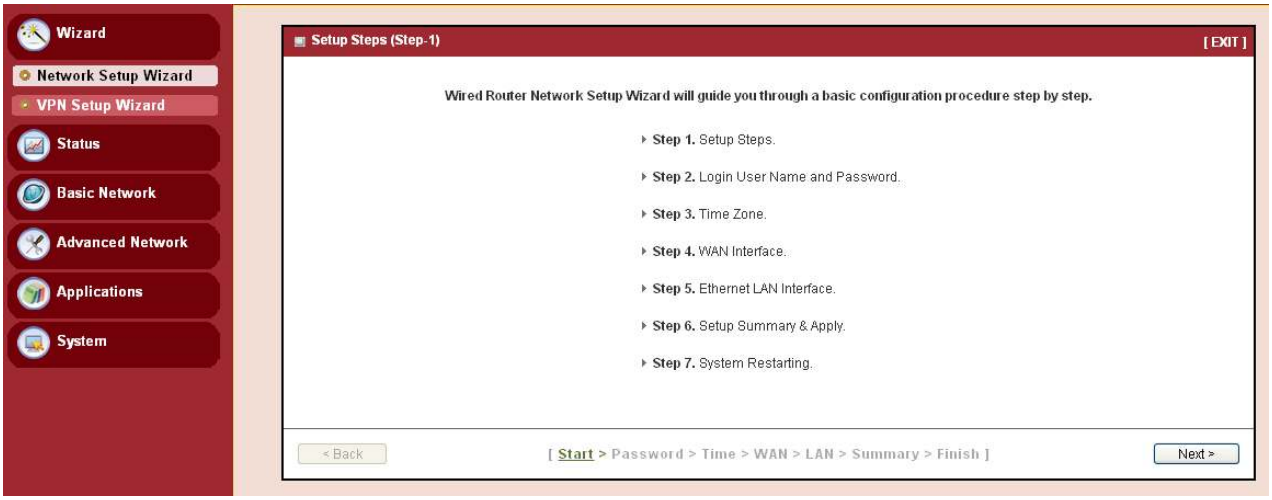
When you see the login page, type the password '**admin**' 1 and then click '**login**' button.

After login, select your language from the list.

1 It's strongly recommending that you change this login password from default value.

Wizard

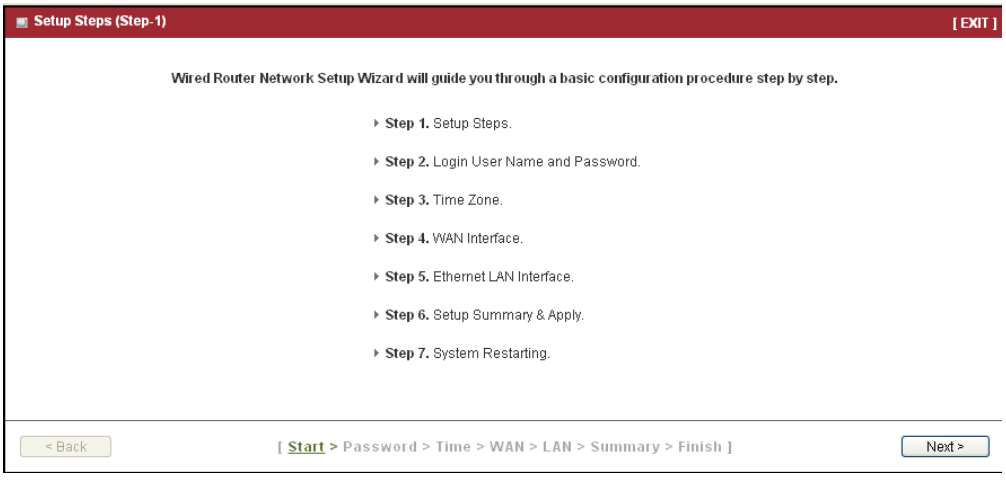
Select "Wizard" for basic network settings and VPN settings in a simple way. Or, you can go to **Basic Network / Advanced Network / Applications / System** to setup the configuration by your own selection.



2.2.1.1 Configure with the Network Setup Wizard

Step 1

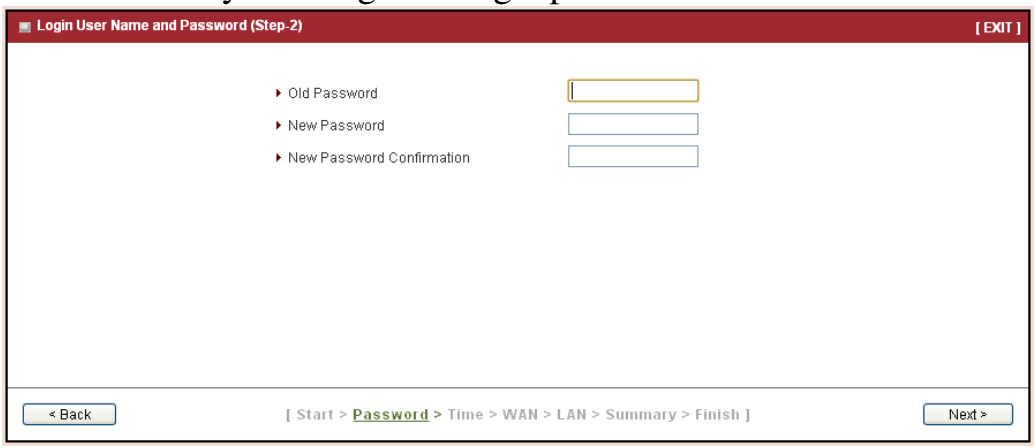
The network setup wizard will guide you to finish some basic settings, including login password, time zone, WAN interface and LAN interface. One "**Exit**" button at the upper-right corner of each window is provided for you to quit the setup process.



Press "**Next**" to start the wizard.

Step 2: Change Password

Password setting. You can change the login password of web UI here. It's strongly recommended that you change this login password from default value.



Press "Next" to continue.

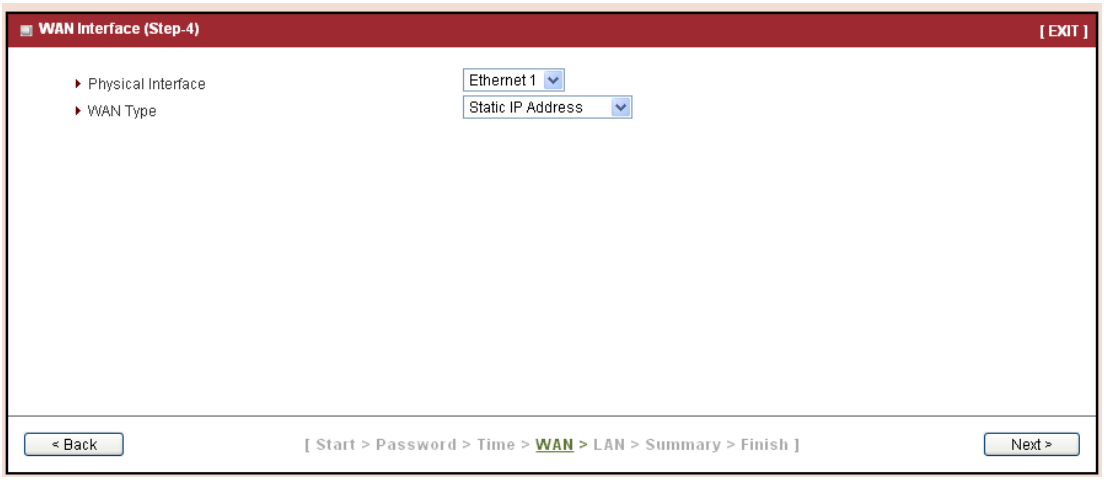
Step 3: Time Zone

Time Zone setting. It will detect your time zone automatically. If the result of auto detection is not correct, you can press "Detect Again" button or select manually.

Press "Next" to continue.

Step 4: WAN

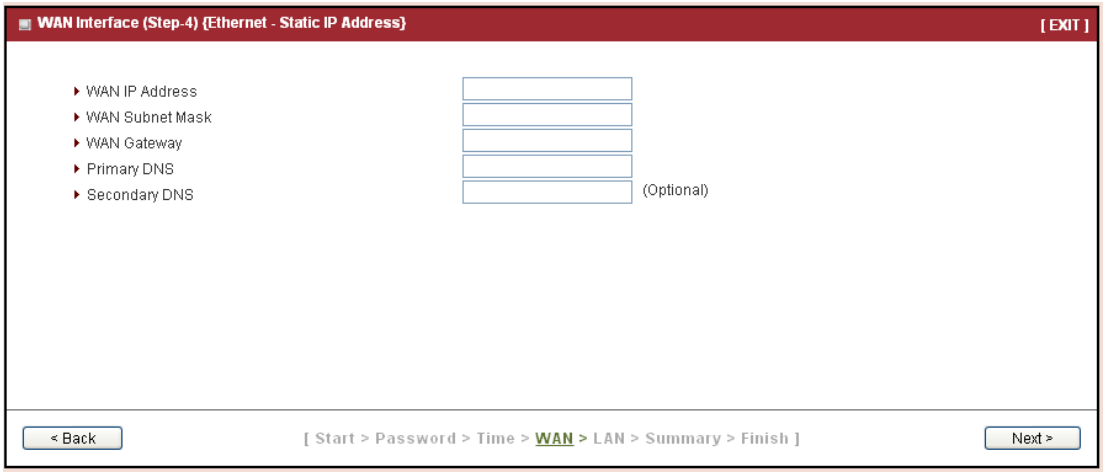
WAN Interface setting. Choose the type of WAN connection. You can select Ethernet WAN if you want to connect to Internet through fixed line. Or select USB 3G/4G if you want to connect to Internet through 3G/4G network. A variety of WAN types are available for Ethernet WAN connection.



Press "Next" to continue.

Step 4-1: Ethernet (Static IP Address)

If you choose Ethernet->Static IP Address, you need to input all IP address that you get from ISP (Internet Service Provider) manually. This Static IP WAN Type option is usually chosen when you get a fixed IP address from ISP.



Press "Next" to continue.

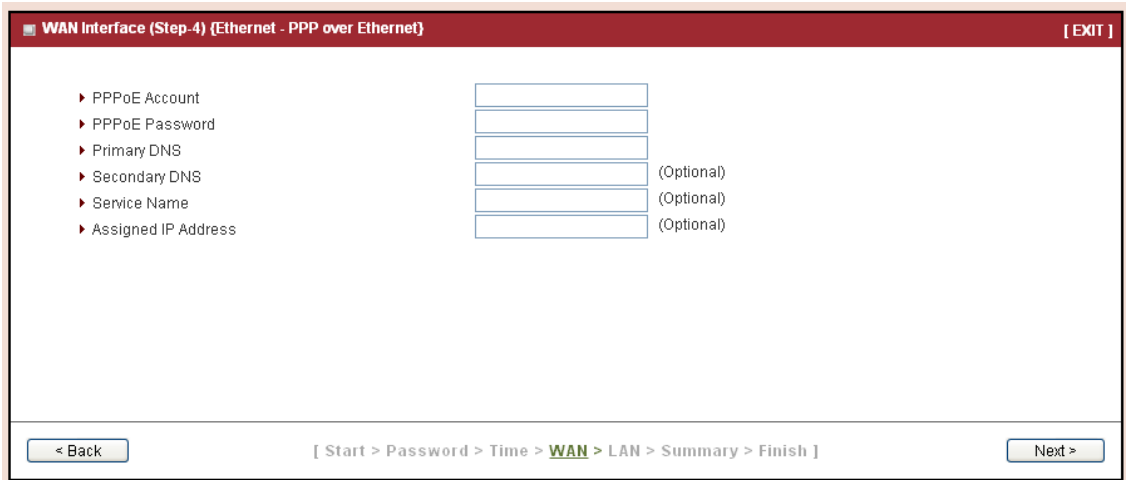
Step 4-2: Ethernet (Dynamic IP Address)

If you choose Ethernet->Dynamic IP Address, you can input host name or registered MAC address when your ISP requests it. In most cases, you can leave them as blank and go to next. This Dynamic IP WAN Type option is usually chosen when you get a dynamic IP address from ISP.

Press "Next" to continue.

Step 4-3: Ethernet (PPPoE)

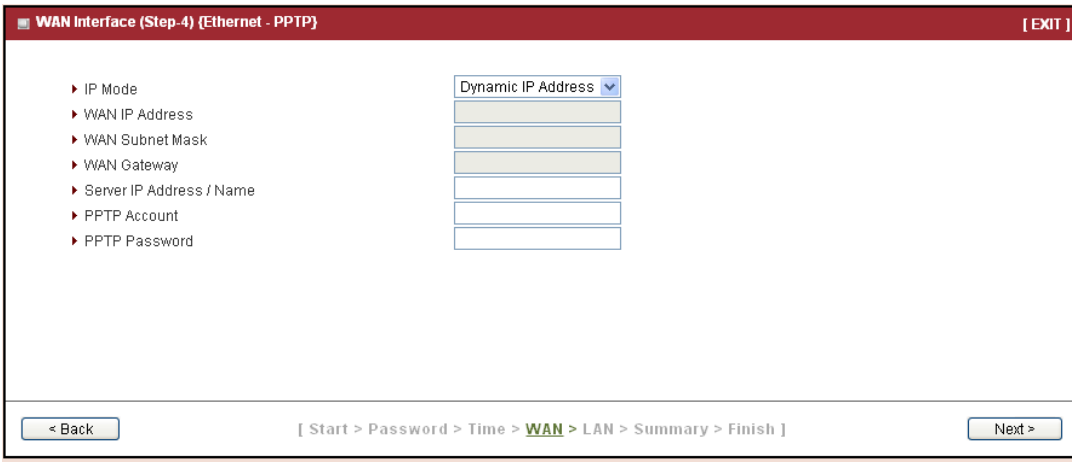
If you choose Ethernet->PPP over Ethernet (so-called PPPoE), you need to input account and password that you get from ISP. For other fields, you can leave them as blank in most cases. This PPPoE WAN Type option is usually chosen when you use ADSL for WAN connection.



Press "Next" to continue.

Step 4-4: Ethernet (PPTP)

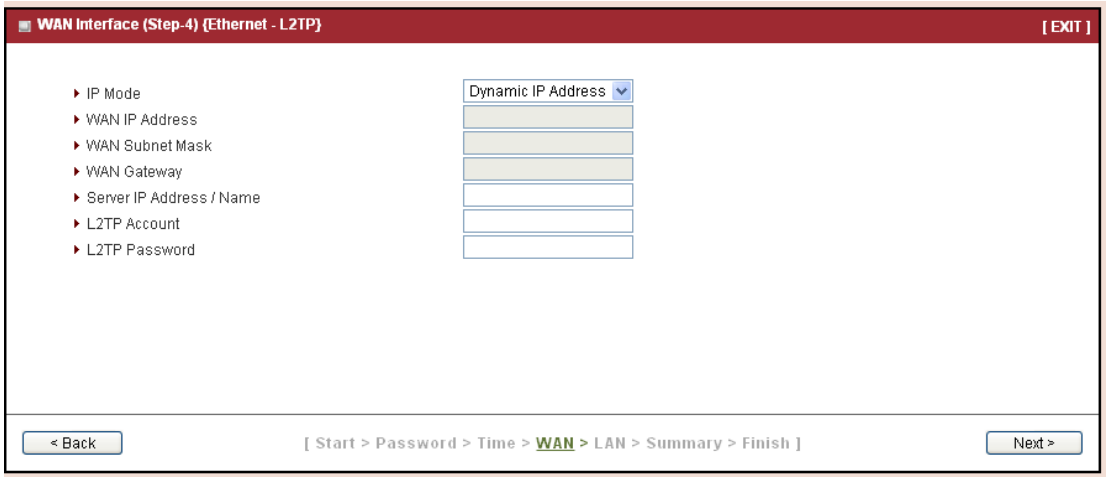
If you choose Ethernet->PPTP, you need to input required dial-up information that you get from ISP. This PPTP WAN Type option is usually chosen when your ISP requests it.



Press “Next” to continue.

Step 4-5: Ethernet (L2TP)

If you choose Ethernet->L2TP, you need to input required dial-up information that you get from ISP. This L2TP WAN Type option is usually chosen when your ISP requests it.



Press “Next” to continue.

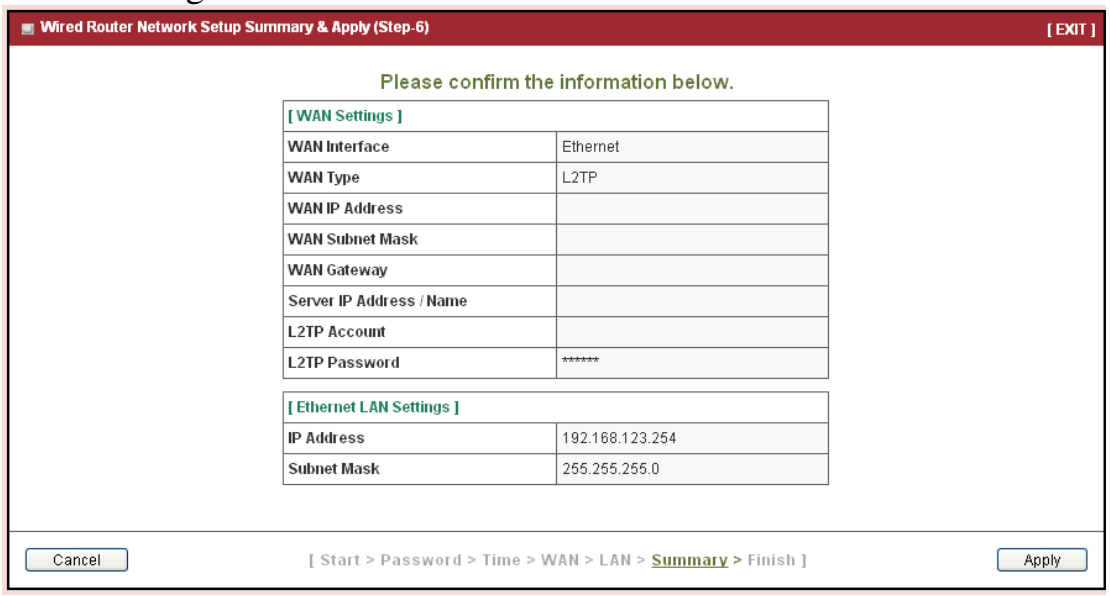
Step 5: LAN

LAN Interface setting. Change the LAN IP address and subnet mask of this gateway. You can keep the default setting and go to next step.

Press "Next" to continue.

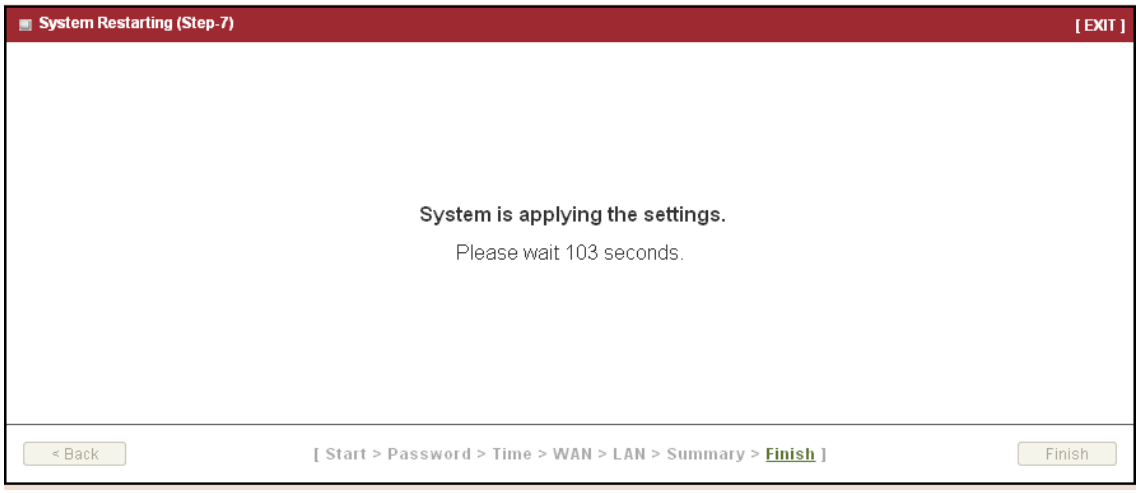
Step 6: Confirm and Apply

Check the new settings again. If all information is correct, please press "Apply" button to save new settings. Then it will take 95 seconds to restart this gateway and take new settings effective.



Step 7: Counting Down

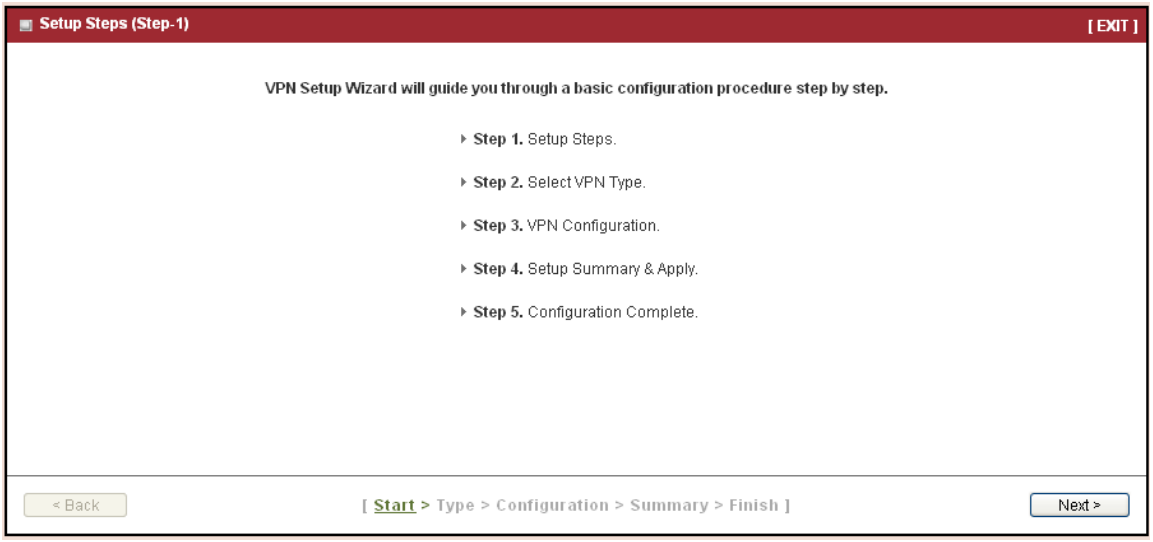
Configuration is completed. Press “Finish” button to close Setup Wizard and browser counts down for 65 seconds and provides you with “Click here” button to reconnect to the device.



Configure with the VPN Setup Wizard

Step 1

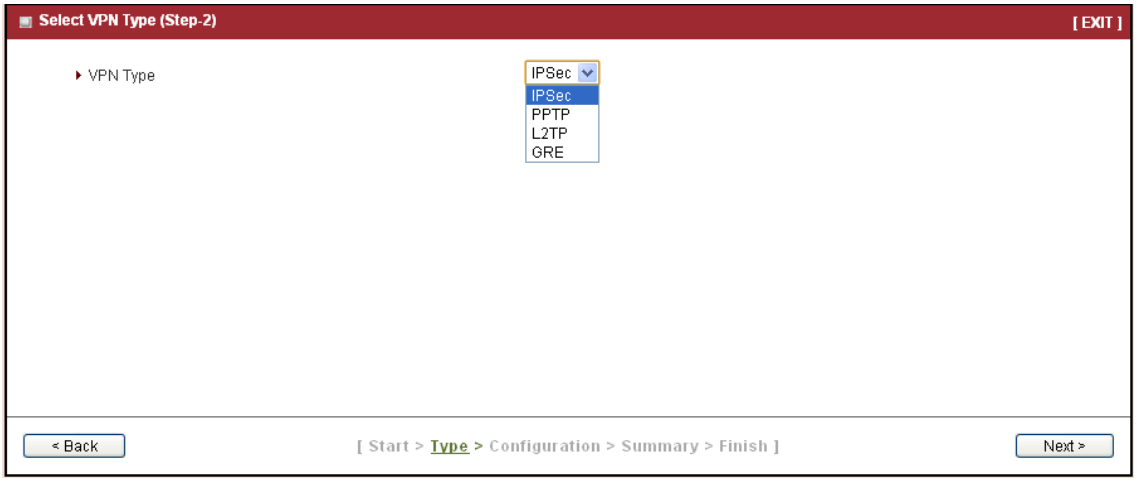
The VPN setup wizard will guide you to finish profiles of IPSec, PPTP and L2TP VPN connection quickly.



Press “Next” to start the wizard.

Step 2: VPN Type

Select type of VPN connection you want to create. Here you can choose IPSec, PPTP, L2TP or GRE.



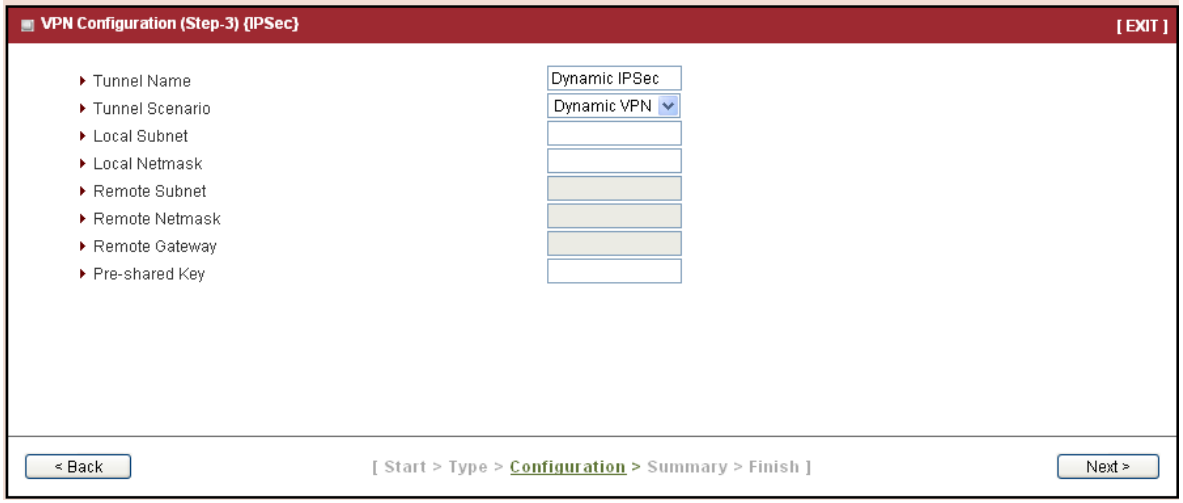
Press "Next" to continue.

Step 2-1: IPSec

If you choose IPSec, there are five options of tunnel scenario which can be chosen. "Site to Site" is for two offices to create a VPN tunnel. "Site to Host" is for one office to create a VPN tunnel to the control center. "Host to Site" is for the device as the control center to create a VPN tunnel to a branch office. "Host to Host" is for creating a peer to peer secure tunnel.

"Dynamic VPN" is for remote users to connect to the device securely. For other options, please go to Advanced Network >> VPN to setup. Input the required network information and pre-shared key for VPN connection.

For Dynamic VPN, you don't need to input network information of remote subnet and remote gateway.



Press "Next" to continue.

Step 2-2: PPTP

If you choose PPTP, there are two options of mode can be chosen. Choose "Client" if you want this device to connect to another PPTP server. Or choose "Server" if you want other PPTP clients to connect to it.

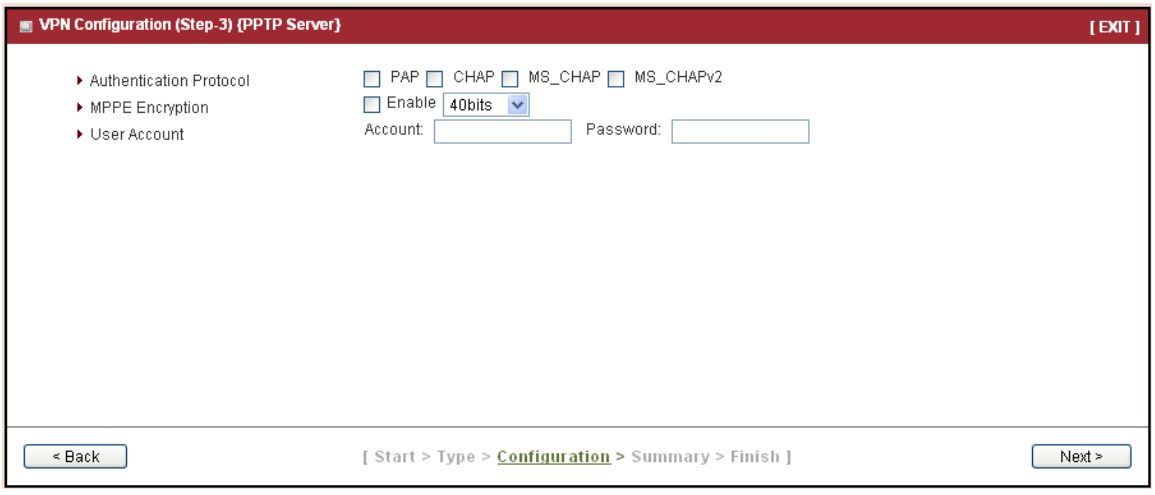
Press "Next" to continue.

If you choose PPTP Client, please input tunnel name, IP/FQDN of PPTP server, username/password, authentication and MPPE options. Please make sure these

settings are accepted by PPTP server. Otherwise, remote PPTP server will reject the connection.

Press “Next” to continue.

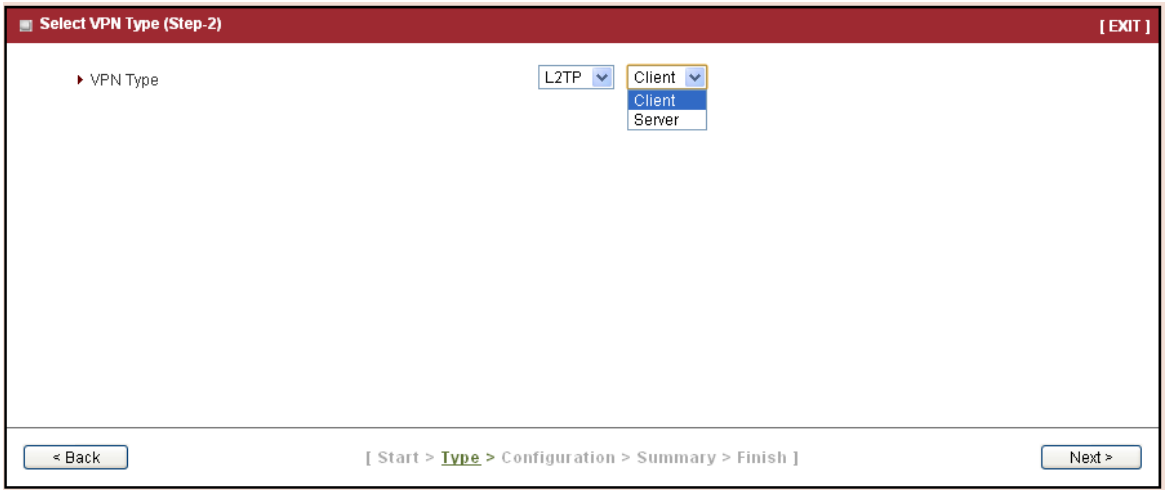
If you choose PPTP Server, please select options of authentication and MPPE. You also need to create a set of username and password for PPTP clients. In this wizard, you can only create one user account. If you want to create more user accounts, please go to Advanced Network >> VPN >> PPTP to add more users.



Press “Next” to continue.

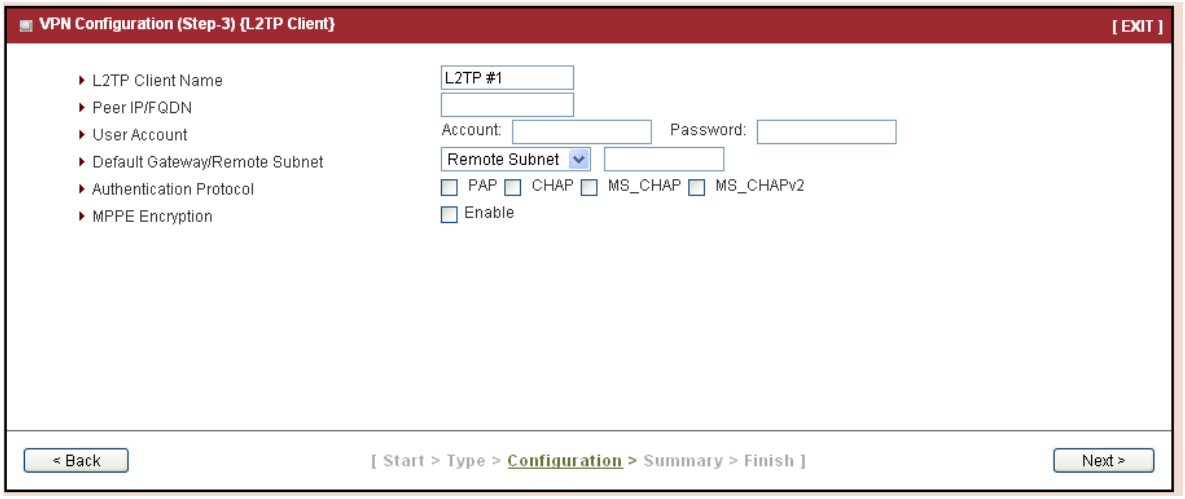
Step 2-3: L2TP

If you choose L2TP, there are two options of mode can be chosen. Choose “Client” if you want this device to connect to another L2TP server. Or choose “Server” if you want other L2TP clients to connect to it.



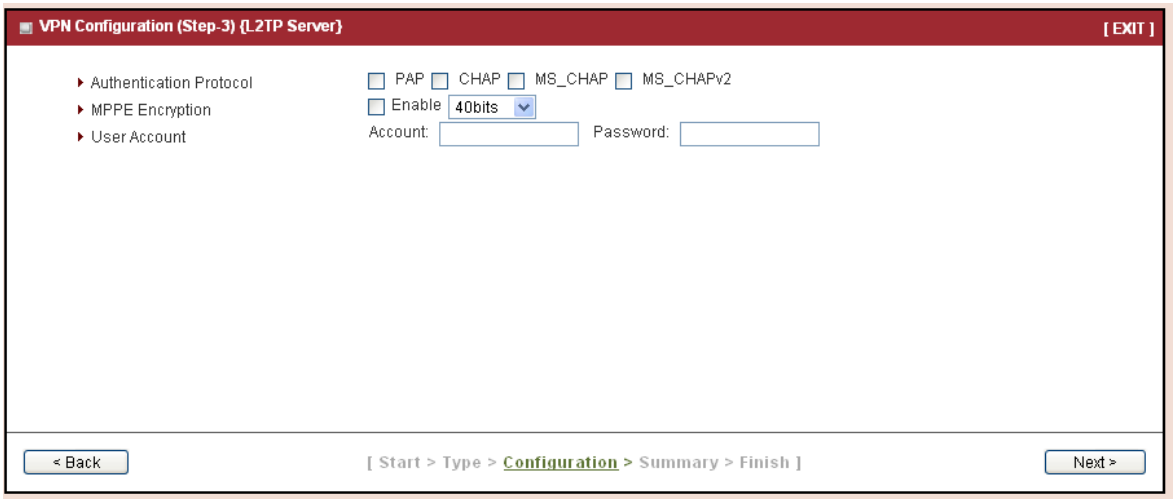
Press “Next” to continue.

If you choose L2TP Client, please input tunnel name, IP/FQDN of L2TP server, username/password, authentication and MPPE options. Please make sure these settings are accepted by L2TP server. Otherwise, remote L2TP server will reject the connection.



Press “Next” to continue.

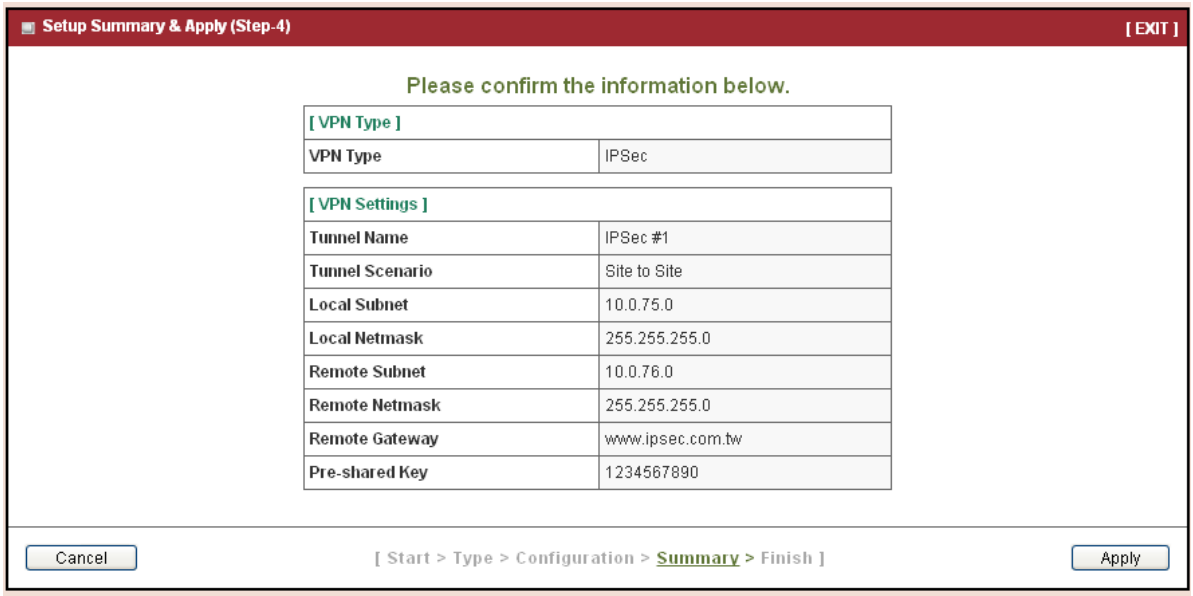
If you choose L2TP Server, please select options of authentication and MPPE. You also need to create a set of username and password for L2TP clients. In this wizard, you can only create one user account. If you want to create more user accounts, please go to Advanced Network >> VPN >> L2TP to add more users.



Press “Next” to continue.

Step 3: Confirm and Apply

Confirm new settings. If all new settings are correct, please press “Apply” button to save these new settings and make them effective.



FAQ

Following are the solutions to problems that may occur during the installation and operation of the **Digisol DG-WU2005V.**

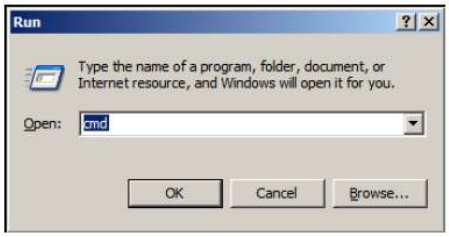
1 Why can't I configure the router even when the cable is plugged and the LED is lit?

Note: It is recommended that you use an Ethernet connection to configure it

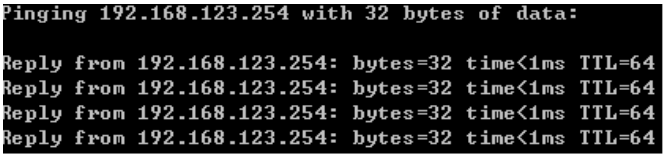
Do a Ping test to make sure that the Wireless Access Controller is responding.

Go to **Start > Run**.

1. Type **cmd**.



2. Press **OK.**
3. Type **ipconfig** to get the IP of default gateway.
4. Type "**ping 192.168.123.254".** Assure that you ping the correct IP Address assigned to this wireless access controller. It will show four replies if you ping correctly.



Ensure that your Ethernet Adapter is working, and that all network drivers are installed properly. Network adapter names will vary depending on your specific adapter. The installation steps listed below are applicable for all network adapters.

1. Go to **Start > Right click on "My Computer" > Properties**.
2. **Select** the **Hardware Tab**.
3. Click **Device Manager**.
4. Double-click on "**Network Adapters"**.
5. Right-click on **Wireless Card bus Adapter** or **your specific network adapter**.
6. Select **Properties** to ensure that all drivers are installed properly.

7. Look under **Device Status** to see if the device is working properly.
8. Click "**OK**".

2 What can I do if my Ethernet connection does not work properly?

1. Make sure the RJ45 cable connects with the router.
2. Ensure that the setting on your Network Interface Card adapter is "Enabled".
3. If settings are correct, ensure that you are not using a crossover Ethernet cable, not all Network Interface Cards are MDI/MDIX compatible, and using a patch cable is recommended.
4. If the connection still does not work properly, then you can reset it to default.

3 How to reset to default?

1. Ensure that the wireless access controller is powered on
2. Find the **Reset** button on the right side
3. Press the **Reset** button for 8 seconds and then release.
4. After the wireless access controller reboots, it gets back to the factory **default** settings.

This product comes with One Year warranty. For further details about warranty policy and Product Registration, please visit support section of **www.smartlink.co.in**

A product of Smartlink Network Systems Ltd

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