



DG-WA1000N
150N Wireless LAN Access Point
Quick Installation Guide

V1.0
2010-07-19

FCC warning:

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limitations are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into a different outlet from that to which the receiver is connected.
- Consult your local distributors or an experienced radio/TV technician for help.
- Shielded interface cables must be used in order to comply with emission limits

Changes or modifications to the equipment, which are not approved by the party responsible for compliance could affect the user's authority to operate the equipment.

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Company has an on-going policy of upgrading its products and it may be possible that information in this document is not up-to-date.

Please check with your local distributors for the latest information.

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Trademarks:

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1. Package Contents

The following items should be present in your package:

- DG-WA1000N Wireless Access Point
- 3dBi dipole antenna
- AC power adapter
- Rubber feet (4 Nos.)
- Quick Installation Guide
- Installation software CD (includes User Manual & Utility)
- DIGILINK patch cord (1 No.)

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

2. Product Overview

Thank you for purchasing DG-WA1000N 150Mbps 802.11n Wireless Access Point! DG-WA1000N enables communication between wireless and wired notebooks/desktop computers in the network. It complies with IEEE 802.11n standard and is backward compatible with IEEE 802.11b/g standard. The DG-WA1000N wireless Access Point can provide wireless data transmission rate up to 150Mbps which enhances the sharing of files, photo, audio, video and gaming experience over wireless network.

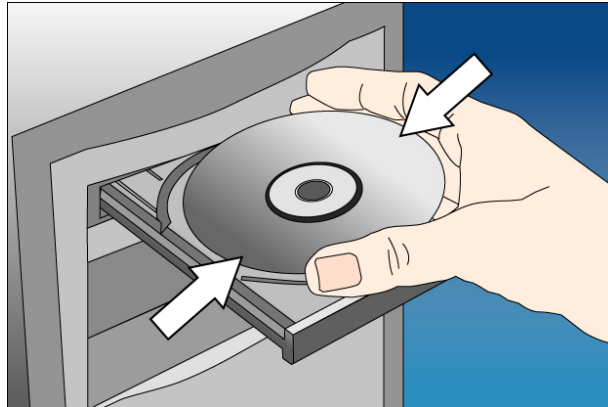
3. System Requirements

The following system requirements are recommended

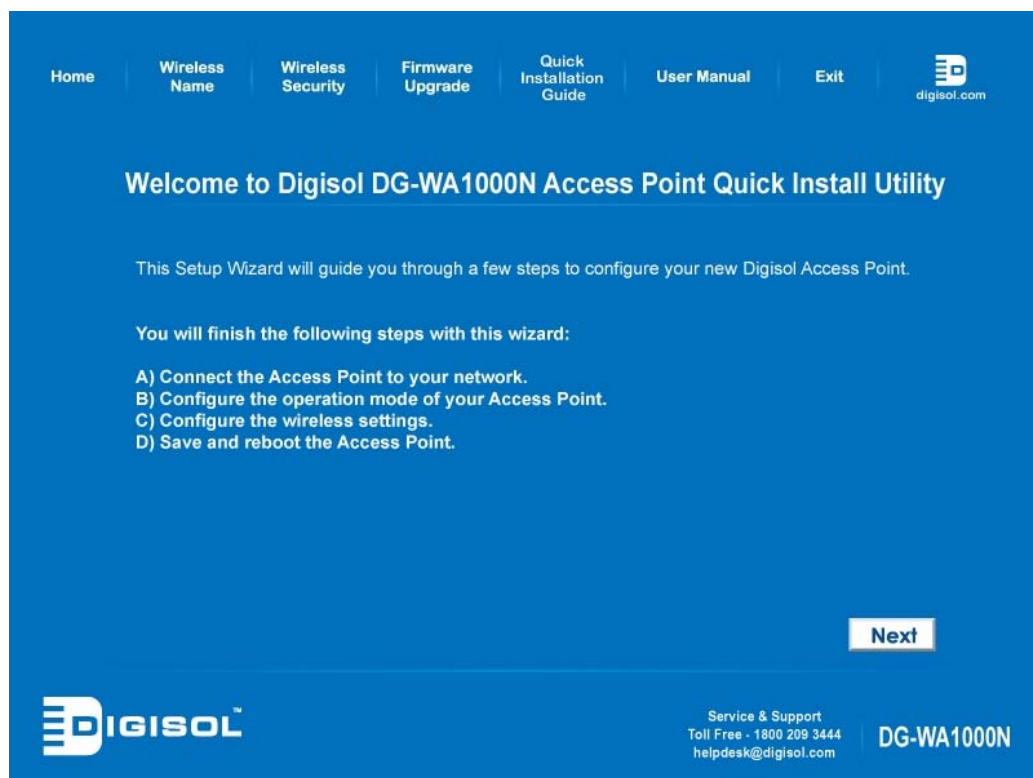
- Notebook or desktop PC with network adapter (wired/WLAN)
- Windows 2000/XP/Vista/7 Operating System
- A web browser
- AC power socket (100 – 240V, 50/60Hz)

4. Access Point Installation

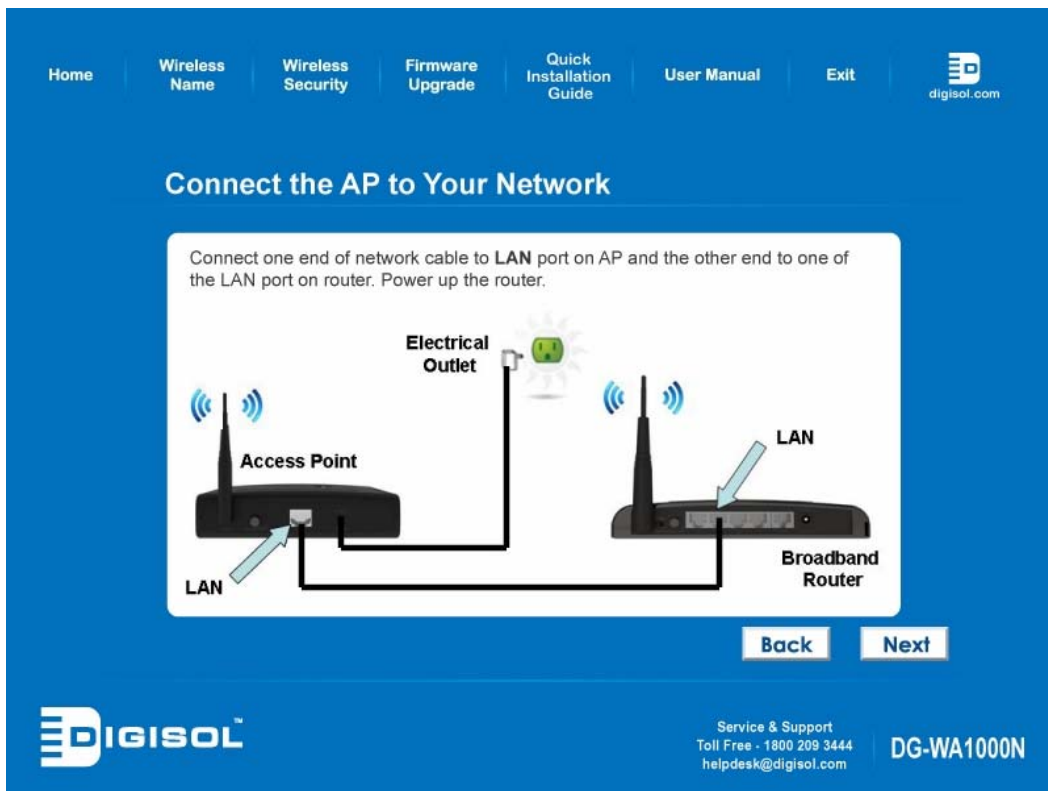
Step 1: Insert the Setup CD into your CD-ROM drive of notebook/desktop computer.



Step 2: Explore the CD and execute the “EZWizard.exe” file.



Step 3: Connect one end of a network cable to the LAN port on AP and the other end to one of the LAN port on router. Power ON the router. Click **Next** to continue.



Step 4: Ensure that the LEDs of POWER, WLAN and LAN port that the AP is connected are ON. If not, try the above steps again.

LED Indicators:

LED	Light Status	Description
POWER	On	AP is powered on.
WLAN	On	WPS setup is in progress.
	Off	Wireless network is switched off.
	Flashing	Wireless network is ready and WPS setup is not in progress.
LAN	On	LAN port is connected.
	Off	LAN port is not connected.
	Flashing	LAN port is transferring or receiving data.

Step 5: Enter the AP's password to log in to the AP. The default password is "1234". It is recommended to change the AP's password to protect it from being accessed by other users. If you do not wish to change the current password, you can leave "New Password" and "Confirm New Password" fields blank. Click **Next** to continue.

Home | Wireless Name | Wireless Security | Firmware Upgrade | Quick Installation Guide | User Manual | Exit | digisol.com

Log in to the AP

Enter "1234" to the Current Password to log in to the AP. Please change the default login password (1234) to avoid unauthorized access to your network. If you forget the AP's password, you can reset it by pressing and holding the reset button on the AP for 10 seconds.

Current Password:

New Password:

Confirm New Password:

[Back](#) [Log in](#)

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Step 6: Configure the IP Address of AP for future management. Click **Next** to continue.

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Configure the IP Address

Please assign a valid IP address to the AP. If you need to configure more advanced settings for the AP in the future, you can enter this IP address in the address bar of the web browser to locate this device from your local area network.

IP Address:

Subnet Mask:

Default Gateway:

The IP address must match your network settings. For example: If your router's IP address is 192.168.2.1, the first 3 numbers of the AP's IP address should match with your router, which is "192.168.2". The last number you can assign from 0 to 254, but it must not conflict with other existing devices IP address on your network.

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Step 7: Select an operation mode for your Access Point and click **Next**. The wizard will guide you to finish the following corresponding settings.

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Select AP Modes

Select an operation mode for your AP.

- Access Point** Add wireless capability to your current local area network.
- Universal Repeater** Extend the range of your current wireless network.
- AP Client** Connect your Ethernet-ready network device to your wireless network.
- Point to Point Bridge** Bridge 2 networks with wireless connection. (For example: 2 buildings or houses)
- Point to Multi-Point Bridge** Bridge multiple networks with wireless connection. (For example multiple buildings or houses)
- WDS Bridge** Connect multiple Access Points wirelessly without wired backbone.

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Step 8: Configure the settings for the operation mode you have selected.

Access Point

Configure the SSID and Channel Number. Click **Next** to continue.

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Configure Wireless Settings

Configure the name (SSID) and channel for your wireless connection. The default SSID is "Digisol", the default wireless channel is 6.

Wireless Name (SSID):
(Example: myHome, john123,)

Channel Number:

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Universal Repeater

Click on **Site Survey**, a “Wireless Site Survey” window will appear. Select the wireless router or AP you wish to repeat and click **Connect**. Configure a network name in **Main SSID** for the repeater to be identified.

The screenshot shows the 'Site Survey' configuration page. At the top, there is a navigation menu with links: Home, Wireless Name, Wireless Security, Firmware Upgrade, Quick Installation Guide, User Manual, Exit, and digisol.com. The main heading is 'Site Survey'. Below the heading, there is a paragraph: 'Select the Wireless Router or AP you wish to connect or repeat by clicking on Site Survey. You can configure the Main SSID for your Repeater so you can recognize it. If you are not using the Repeater mode, you can leave it blank.' There are two input fields: 'Root AP's SSID:' (empty) and 'Main SSID:' (containing 'Digisol'). Below the 'Main SSID' field, it says '(For Repeater Mode Only)'. To the right of the 'Root AP's SSID' field is a 'Site Survey' button. At the bottom, there are 'Back' and 'Next' buttons. The footer contains the DIGISOL logo, service and support information (Toll Free - 1800 209 3444, helpdesk@digisol.com), and the model number DG-WA1000N.

AP Client

Click on **Site Survey**, “Wireless Site Survey” window will appear. Select the wireless router or AP you wish to connect and click **Connect**., or enter your wireless network’s SSID manually. Click **Next**.

The screenshot shows the 'Configure Wireless Settings' page. At the top, there is a navigation menu with links: Home, Wireless Name, Wireless Security, Firmware Upgrade, Quick Installation Guide, User Manual, Exit, and digisol.com. The main heading is 'Configure Wireless Settings'. Below the heading, there is a paragraph: 'Configure the name (SSID) and channel for your wireless connection. The default SSID is "Digisol".' There is one input field: 'Wireless Name (SSID):' (containing 'Digisol'). Below the input field, it says '(Example: myHome john123)'. To the right of the input field is a 'Site Survey' button. At the bottom, there are 'Back' and 'Next' buttons. The footer contains the DIGISOL logo, service and support information (Toll Free - 1800 209 3444, helpdesk@digisol.com), and the model number DG-WA1000N.

Point-to-Point / Point-to-MultiPoint / WDS Bridge

Note: Same setup procedure applies to Point-to-Point Bridge, Point-to-MultiPoint Bridge and WDS Bridge modes.

For bridge mode, you need at least **two** Access Points. We will use Point-to-Point Bridge as an example.

Select a channel number you wish to use and enter the MAC address of the other Access Point for the bridge.

Click **Next**.

The screenshot shows a web interface with a blue background. At the top, there is a navigation menu with links: Home, Wireless Name, Wireless Security, Firmware Upgrade, Quick Installation Guide, User Manual, Exit, and a logo for digisol.com. The main heading is "Configure Wireless Settings for PTP Bridge Mode". Below this, there is a sub-heading: "Configure the Channel number you wish to use for the bridge connection and the MAC address of the other AP. (has to be in Point to Point Bridge Mode as well)". There are two input fields: "Channel Number:" with a dropdown menu showing "11", and "MAC Address:" with a text box containing "00:00:00:00:00:00" and a note "(Format: XX:XX:XX:XX:XX:XX)". At the bottom right, there are two buttons: "Back" and "Next". The footer contains the Digisol logo, "Service & Support", "Toll Free - 1800 209 3444", "helpdesk@digisol.com", and the model number "DG-WA1000N".

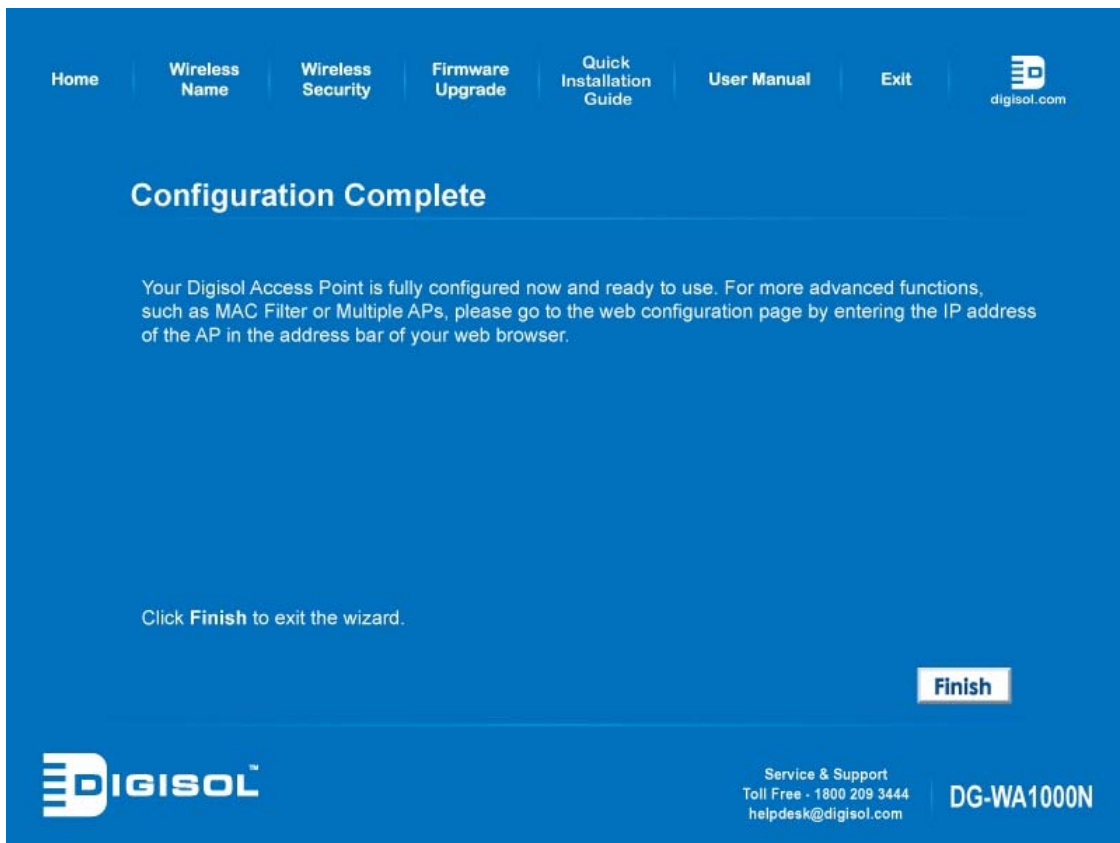
Step 9: Configure the wireless security settings. It is recommended to use WPA2-PSK(AES) which is the most secured encryption for general users.

The screenshot shows the 'Configure Wireless Security' page. At the top, there is a navigation menu with links: Home, Wireless Name, Wireless Security (highlighted), Firmware Upgrade, Quick Installation Guide, User Manual, and Exit. The Digisol logo and website URL 'digisol.com' are in the top right. The main heading is 'Configure Wireless Security'. Below it, a message states: 'Please enter the wireless security key setting that is configured on the wireless router or bridge(s) you wish to connect or repeat. You will not be able to connect to those devices if the security settings do not match.' There are two input fields: 'Encryption:' with a dropdown menu set to 'WPA2-PSK(AES)', and 'Security key:' with a text box containing '*****'. Below the security key field, it says 'Please enter 8 to 63 characters'. At the bottom right, there are 'Back' and 'Next' buttons. The footer contains the Digisol logo, service and support information (Toll Free - 1800 209 3444, helpdesk@digisol.com), and the model number 'DG-WA1000N'.

Step 10: Verify the settings you have configured and click Restart.

The screenshot shows the 'Save Settings and Restart the AP' page. The navigation menu is the same as in the previous screenshot. The main heading is 'Save Settings and Restart the AP'. Below it, a message states: 'This is the summary of your Digisol Access Point's configuration:'. The configuration summary is as follows:
IP Address: 192.168.2.1
Operation Mode: Point to Point Bridge
Wireless Channel: 11
MAC Address: 00:00:00:00:00:00
Wireless Security: WPA2-PSK(AES)
Security Key: 12345678
Below the summary, a message says: 'Click Restart to save your current settings and reboot the AP.' At the bottom right, there are 'Back' and 'Restart' buttons. The footer contains the Digisol logo, service and support information (Toll Free - 1800 209 3444, helpdesk@digisol.com), and the model number 'DG-WA1000N'.

Step 11: Click **Finish** to complete the installation.



Congratulations! Your Access Point configuration is now finished.

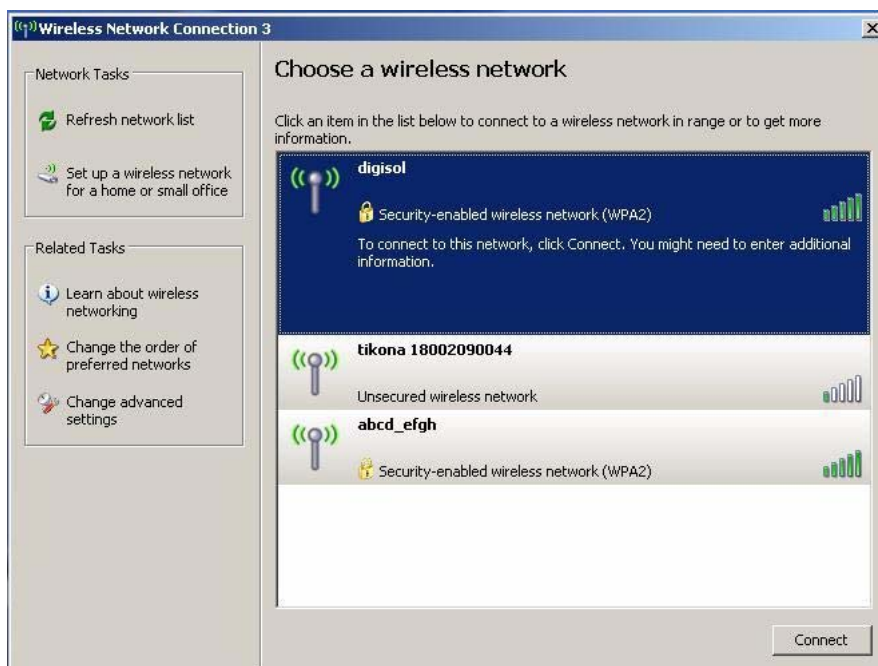
5. Connecting to the Access Point Wirelessly.

Users must configure their wireless notebook/desktop computer in order to establish a wireless connection to the Access Point. The following instructions help in establishing a wireless connection between a **Windows XP** computer and the Access Point.

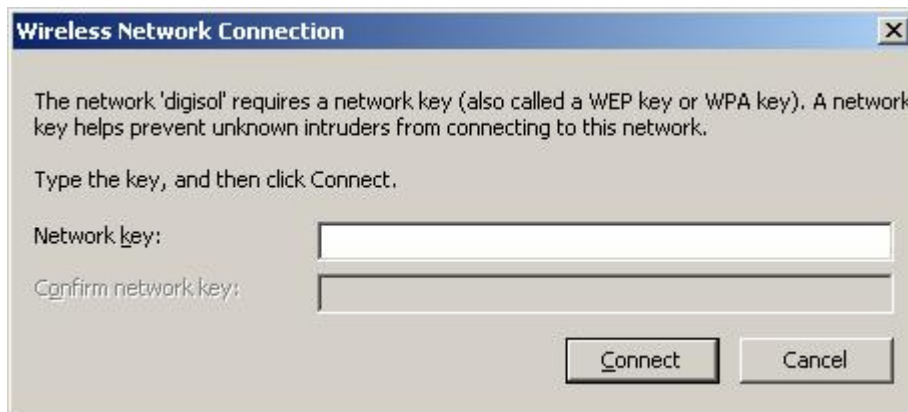
Step 1: Right click the wireless icon in the system tray and click on “**View Available Wireless Networks**”.



Step 2: A window displaying the available wireless network will open. Select the wireless network you wish to connect and then click on **Connect**.



Step 3: Enter the network security key if the wireless network you wish to connect has wireless encryption enabled. Click **Connect**. The connection should now get established.



6. FAQ

Following are the solutions to problems that may occur during the installation and operation of the DIGISOL DG-WA1000N Wireless LAN Access Point.

1. Can't get connected to wireless Access Point.

- If encryption is enabled, please re-check WEP or WPA pass-phrase settings on your wireless client.
- Try to move closer to wireless Access Point.
- Unplug the power plug of Access Point, and plug it back again after 10 seconds.
- If all LEDs on Access Point are OFF, please check the status of A/C power adapter, and ensure it's correctly powered.

2. Wireless client cannot locate the Access Point.

- Verify whether the 'Broadcast ESSID' is set to OFF on Access Point.
- Verify whether the antenna is properly installed.
- If you are away from your Access Point then try to get wireless client closer to AP.
- Ensure that you input ESSID on your wireless client manually, if ESSID broadcast is disabled.

This product comes with Life time warranty. For further details about warranty policy and Product Registration, please visit support section of www.digisol.com