DG-WA7910P
User Manual

V1.0
2019-01-14

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1. Hardware and Operation Mode Instruction

Package Contents

Before using this access point, please check if there is anything missing in the package, and contact your dealer of purchase to claim for missing items:

- DG-WA7910P Outdoor Access Point
- DC 12V Power Adapter
- Patch Cord
- User Manual CD
- Mounting Brackets

1.1. LED Indicator

SYS: Power Indicator
2G: 2.4G Wireless
5G: 5.8G Wireless

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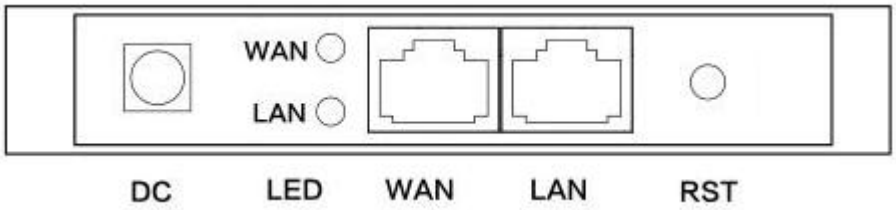
1.2. AP Interface

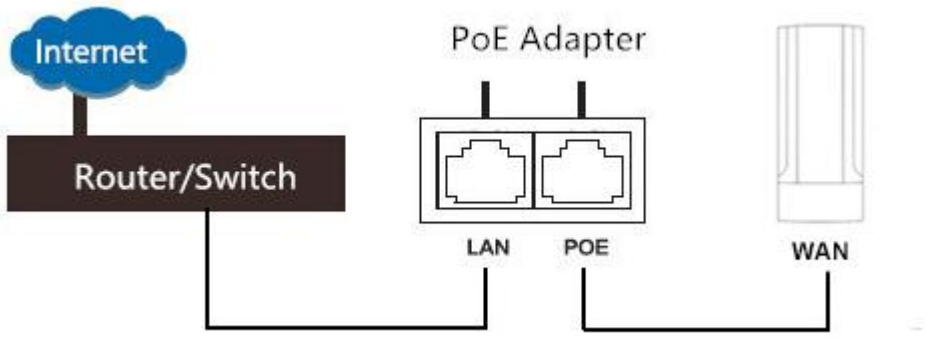


RST	Reset Button, it make AP revert to default settings after pressing it for 15 seconds
WAN	WAN Port, connect with ADSL modem or Internet mainly. It will be LAN port under Wireless AP and WiFi Repeater operation mode
LAN	LAN Port to end users
LED	LED Indicator for WAN port and LAN port
DC	DC power connector

1.3. Power Supply

1.3.1 PoE Adapter Power Supply:

The connection diagram shown as P1, internet cable connect to PoE adapter's LAN Port, outdoor AP WAN port connect to PoE adapter's PoE Port, then PC will access into AP through cable or wireless.
The wireless AP support 48V IEEE802.3at PoE, so PoE adapter should be 48V IEEE802.3at PoE standard.



P1

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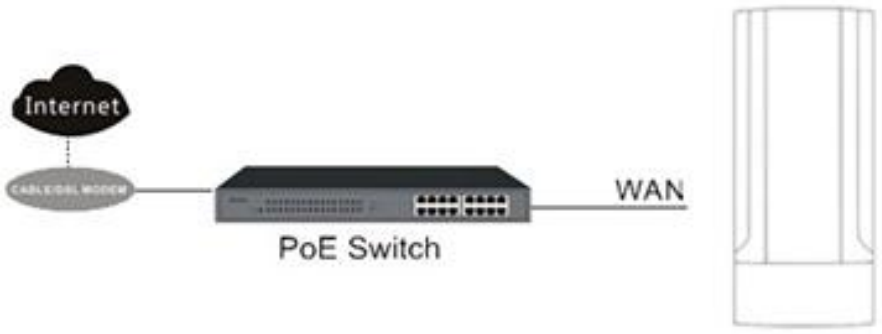
1.3.2. PoE Switch Power Supply

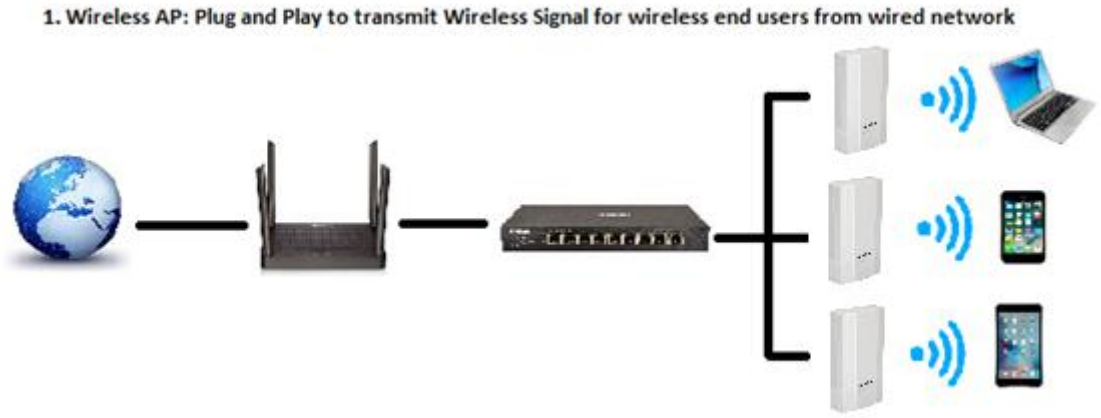
The connection diagram shown as P2, Internet cable from PoE Switch to AP's WAN Port, then PC access into AP via wired/wireless.
Pls note the wireless AP support 48V IEEE802.3at PoE, the PoE switch should comply with 48V IEEE802.3at PoE standard.



P2

Operation Mode:

There are three operation mode on this wireless AP:



P3

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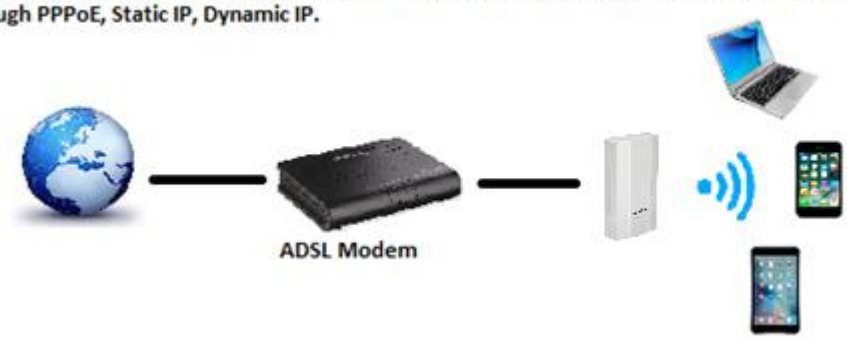
2. Wireless Repeater: Wireless Receive and Transmit, to extend the existing wirless network for more range.

P4

3. Gateway Mode: Supply WAN Connection from DSL, Cable modem or broadband mobile phone network through PPPoE, Static IP, Dynamic IP.



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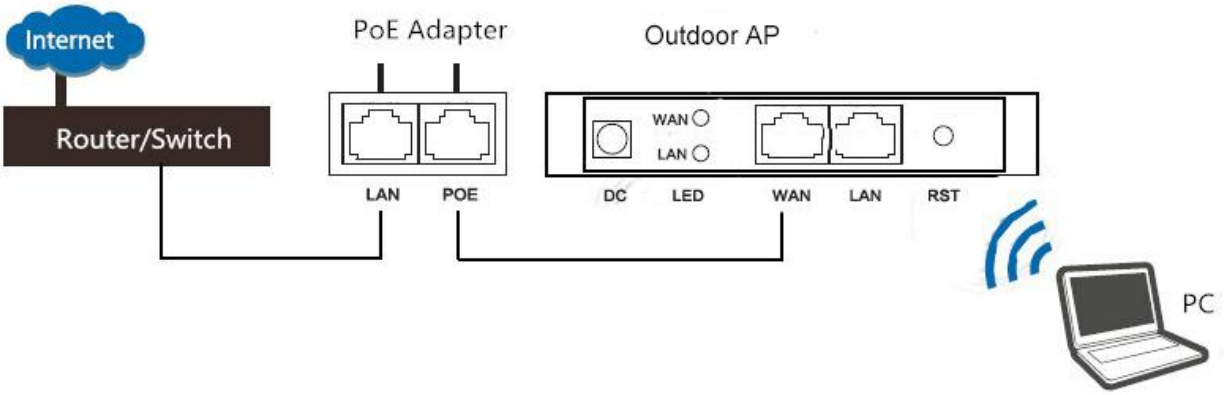
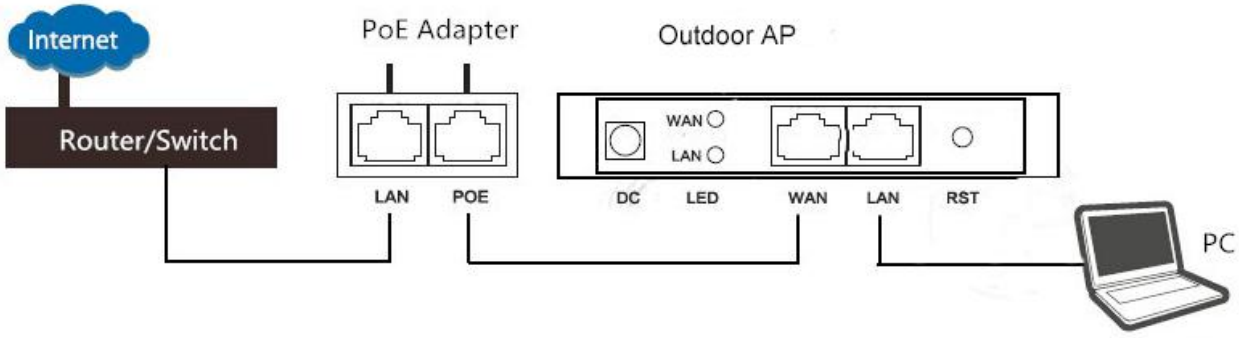
2. Connect Wireless AP with PC

Connect the PC with wireless AP by Wireless SSID or LAN cable:
The diagram of wireless connection showed as follow:
Pls note: the default SSID is **DG-WA7910P-2.4G/5.8G**, SSID's are open with no password.



P6. Connecting the PC to the AP with wireless



P7: Connecting the PC to the AP with wired LAN

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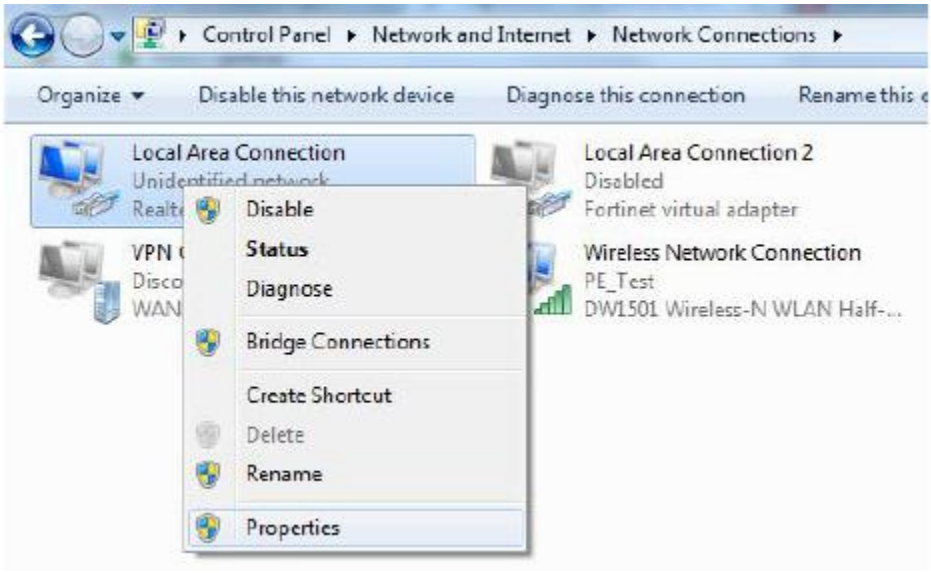
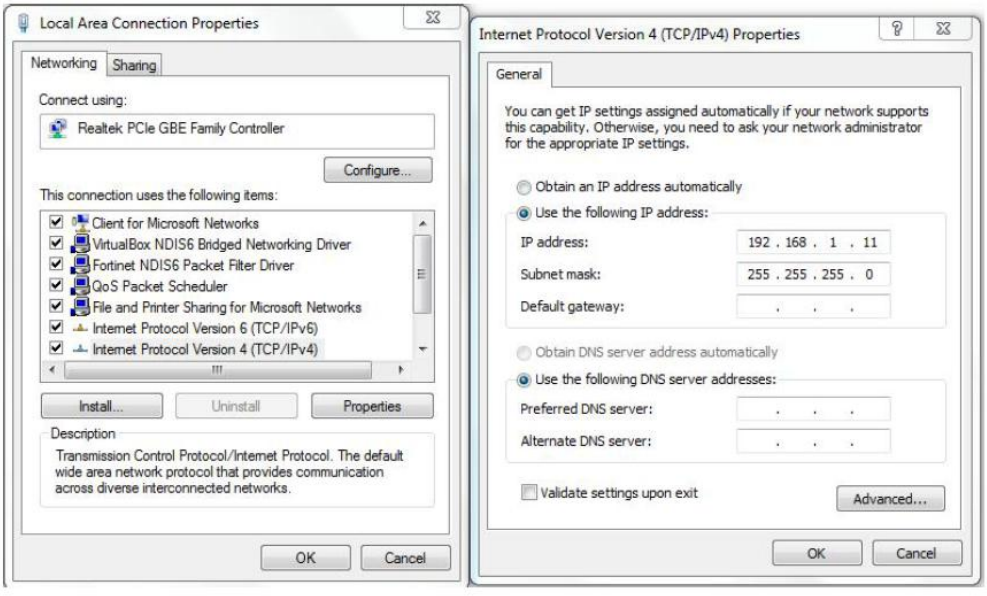
3. Login

1. Connect the Outdoor AP with computer by wired or wireless
2. The default IP address of this wireless AP is 192.168.1.200. Configure the PC's local connection. IP address as 192.168.1.X (X is number from 2 to 254), subnet mask is 255.255.255.0.



P8



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3. Input 192.168.1.200 into browser, login page will appear, the default login **password: admin.**

P10: Login Page

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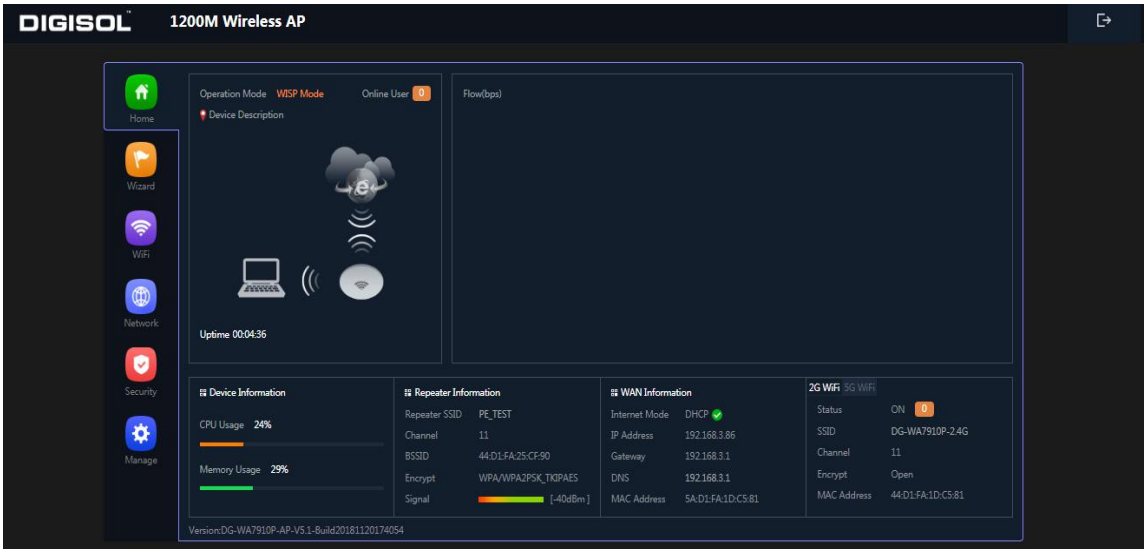
4. WEB GUI interface Setting

4.1. Home

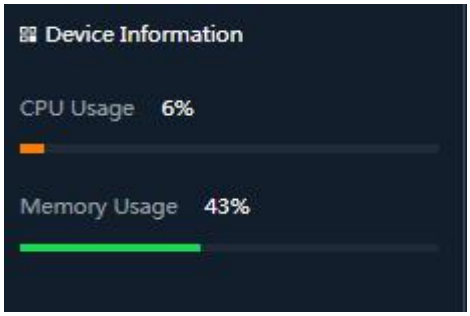
After login, the home page will be shown as below



P11: Home

This page will show the device default operation mode, Device Information, Device Description, LAN Information, 2G WiFi, Flow (2G WiFi) bps and Hardware/Firmware version.

In this wireless AP, the default operation mode is AP mode.
In Device Information you can find the CPU and Memory Usage of the AP as shown in **P12**



P12: Device Information

In Device Description you can add the APs description by clicking on Click Settings as shown in

P13

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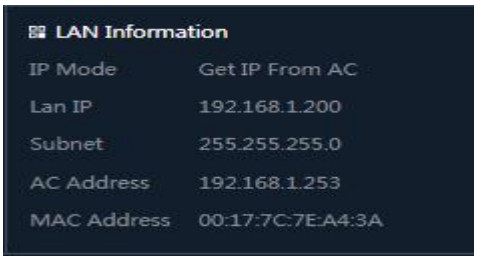
P13 Device Description

In LAN Information you can find the IP Mode, IP and MAC Address of the AP as shown in **P14**

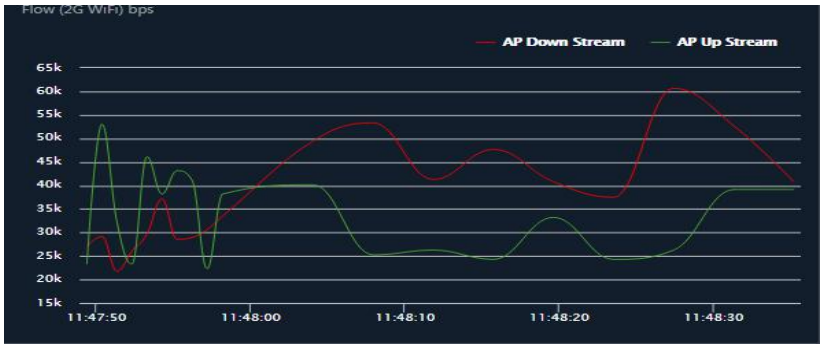


P14 Lan Information

In WiFi Information you can find the Status, SSID, Channel, Encryption and MAC Address of AP as shown in **P15**

P15 WiFi Information

In Flow (2G Wifi) bps you can find the AP's Upstream and Downstream as shown in **P16**



P16 Flow (2G Wifi) bps

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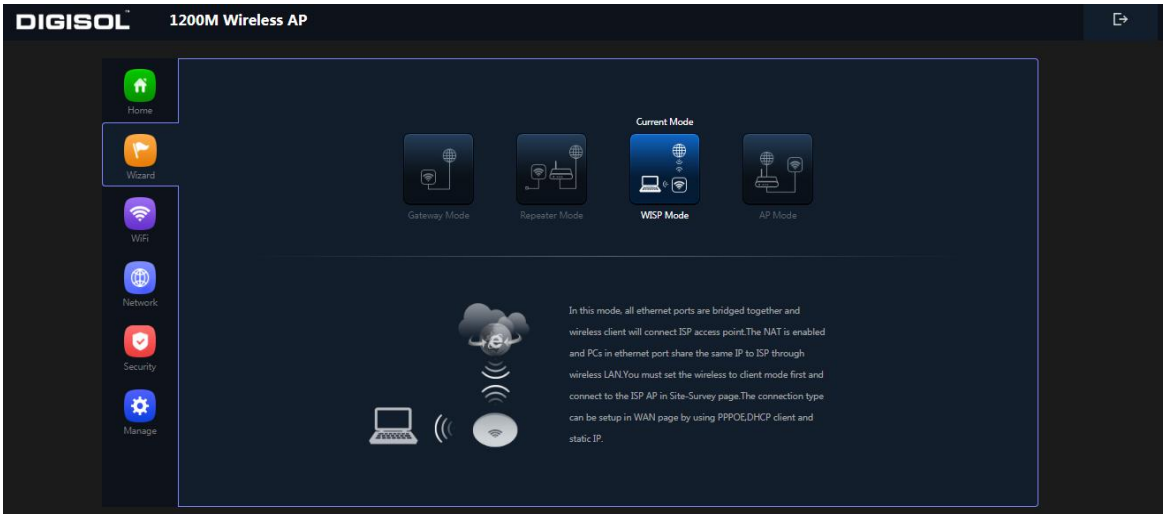
4.2. Wizard Configuration

Wizard: It instruct users to configure wireless AP operation mode based on needs, there are four operation mode including Gateway, Repeater, WISP, Wireless AP. Please confirm the operation mode first before starting the configuration.

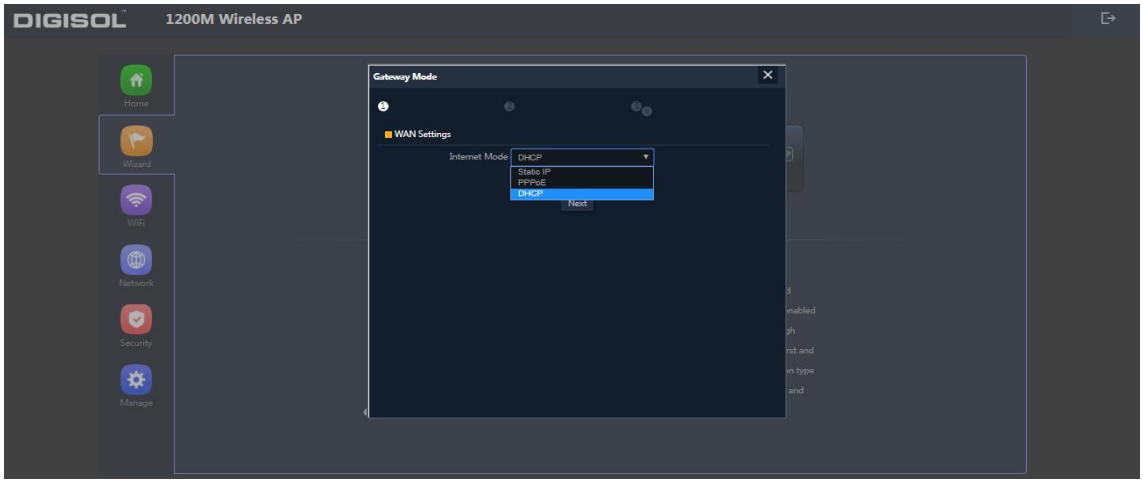
Clicking Wizard in Status page will pop up following page to configure the operation mode and there is explanation for each operation mode for better application.



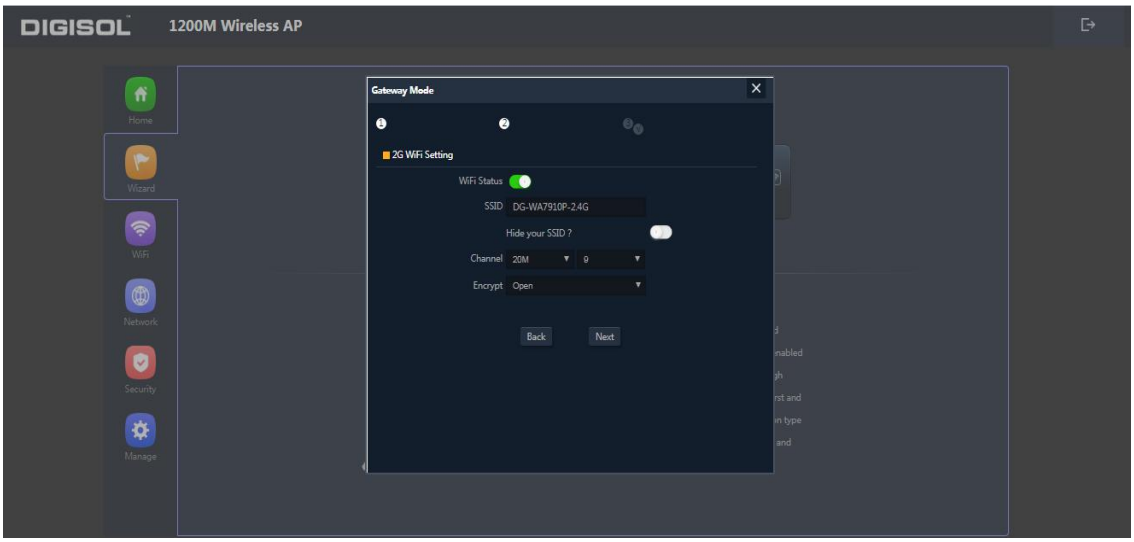
P17 Wizard Configuration

4.2.1 Gateway Mode

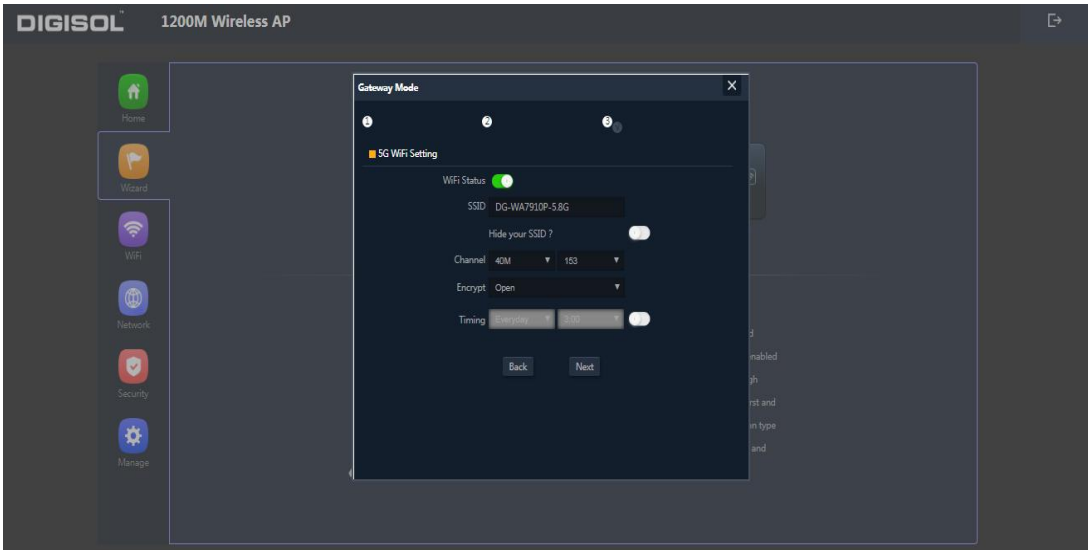
Before Clicking the Gateway mode, confirm your internet will be Static IP, PPPoE, or DHCP. Then clicking on the Gateway mode will pop up the below image. Please choose the right WAN setting mode, then click next to continue. Then configure the wireless parameters and click next.



P18 WAN Setting in Gateway Mode



P19 2G Wireless Setting in Gateway Mode



P20 5G Wireless Setting in Gateway Mode

Clicking next will complete the Gateway mode setting and show following picture:

Please Note: The equipment will restart automatically for the changes to take effect.

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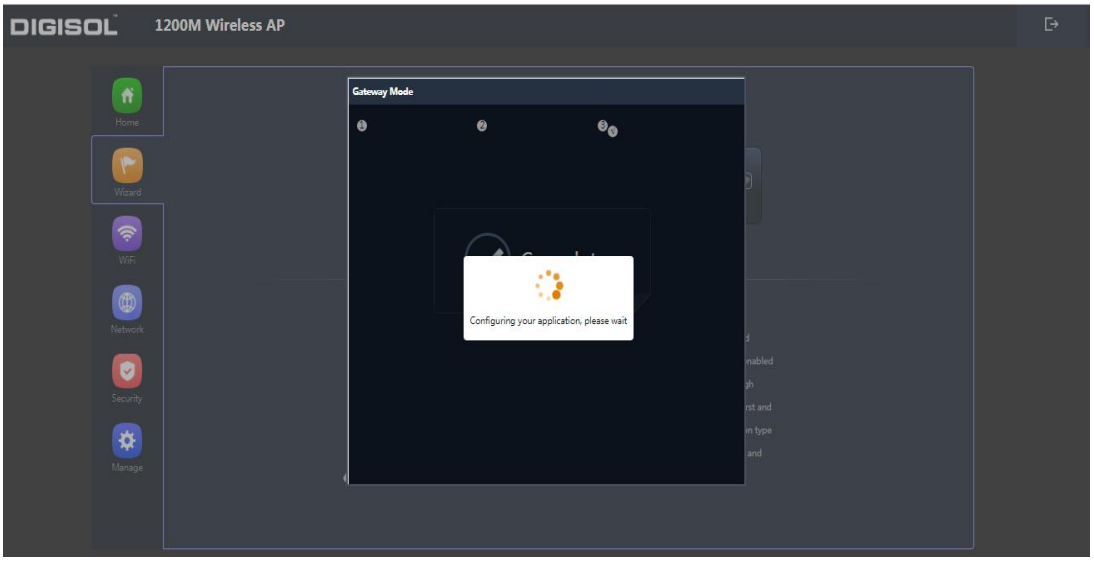
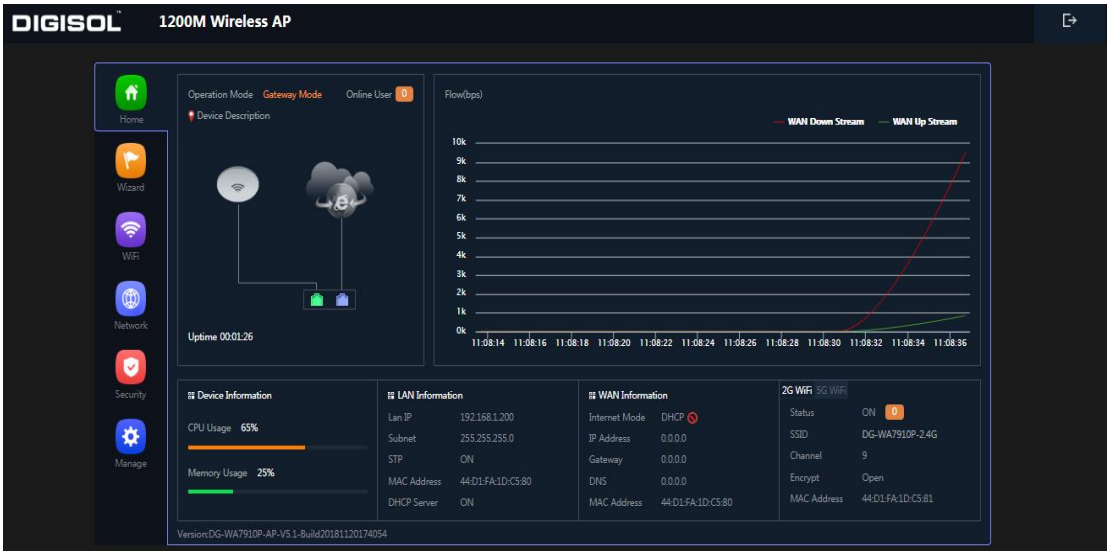


P21 Settings Complete in Gateway Mode

When return to Home page, will show Wireless router's SSID, Internet connection, LAN connection status shown as below.



P22 Status in Gateway Mode

4.2.2. WiFi Repeater mode

1. Login the Web management page, click "Wizard" then "WiFi Repeater"
2. Scan AP and select the AP's SSID you want to bridge then input the AP's key, click next to complete.

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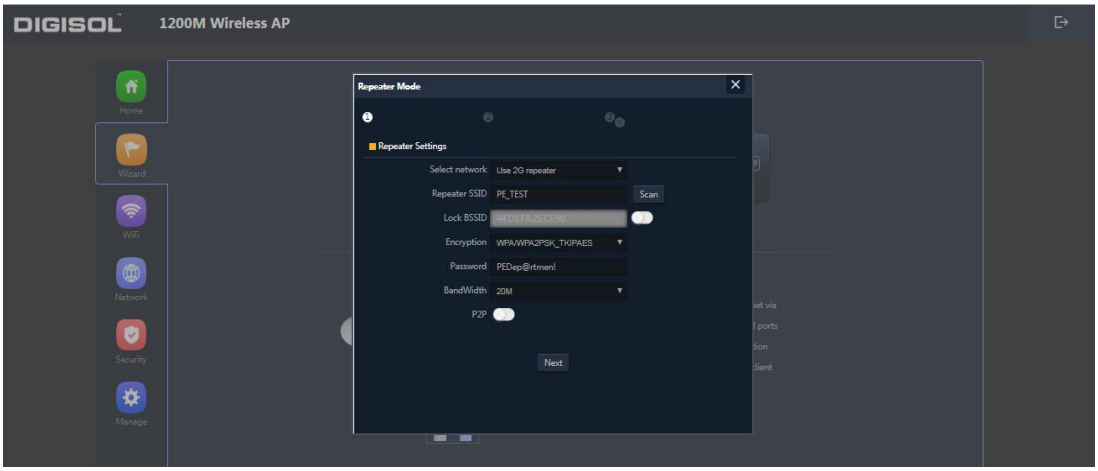
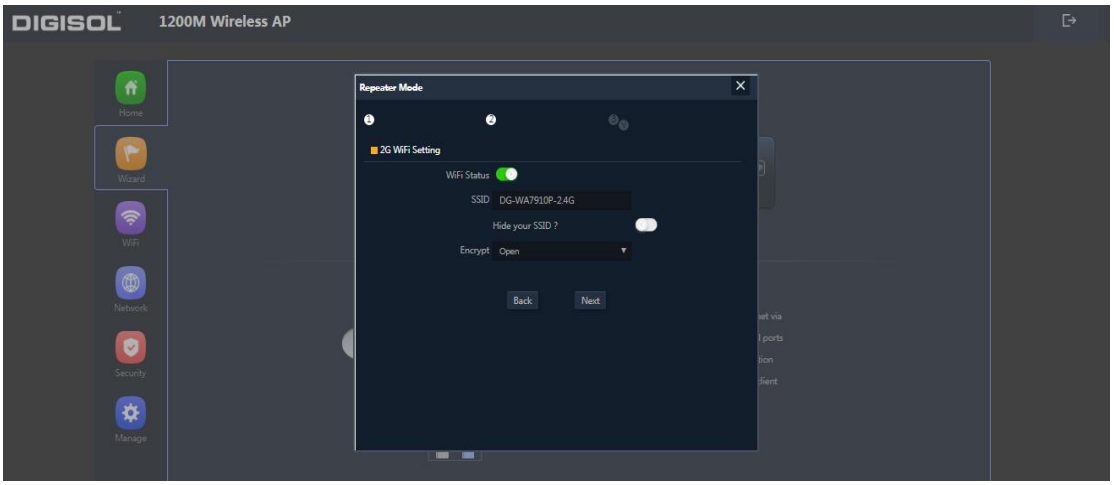
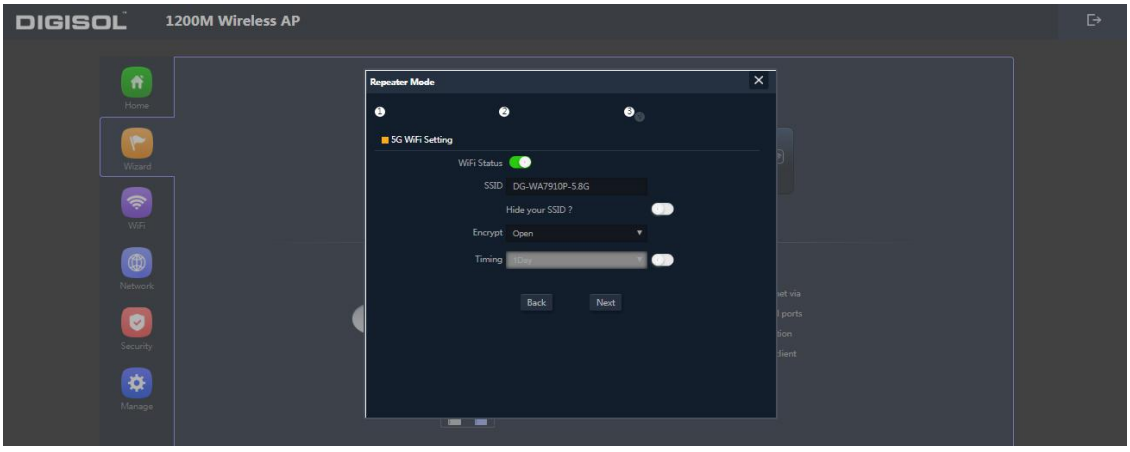


P23 Repeater Mode

3. Click next to configure the Wireless Setting as follows, then click next to finish.



P24 2G Wireless Setting in Repeater Mode



P25 5G Wireless Setting in Repeater Mode

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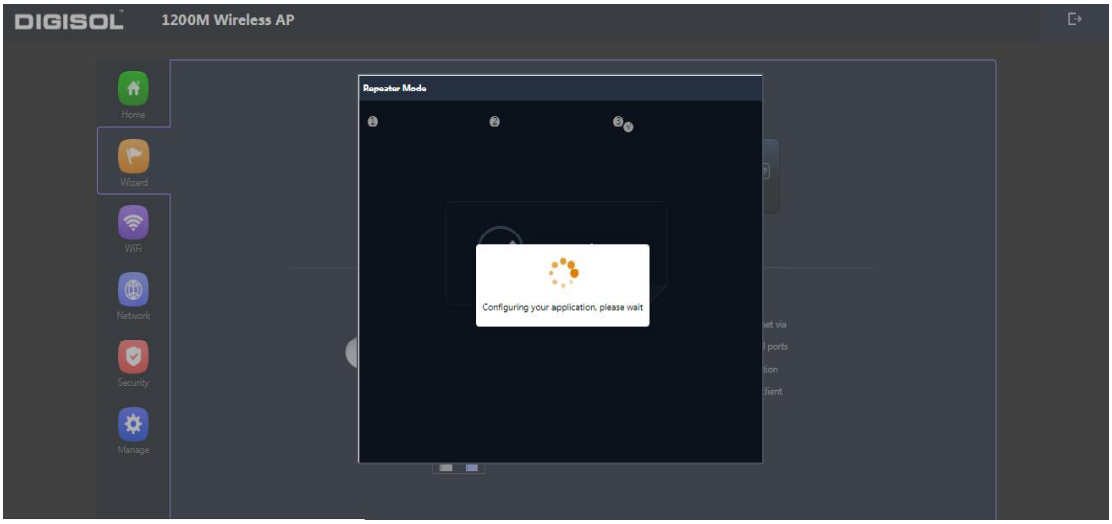
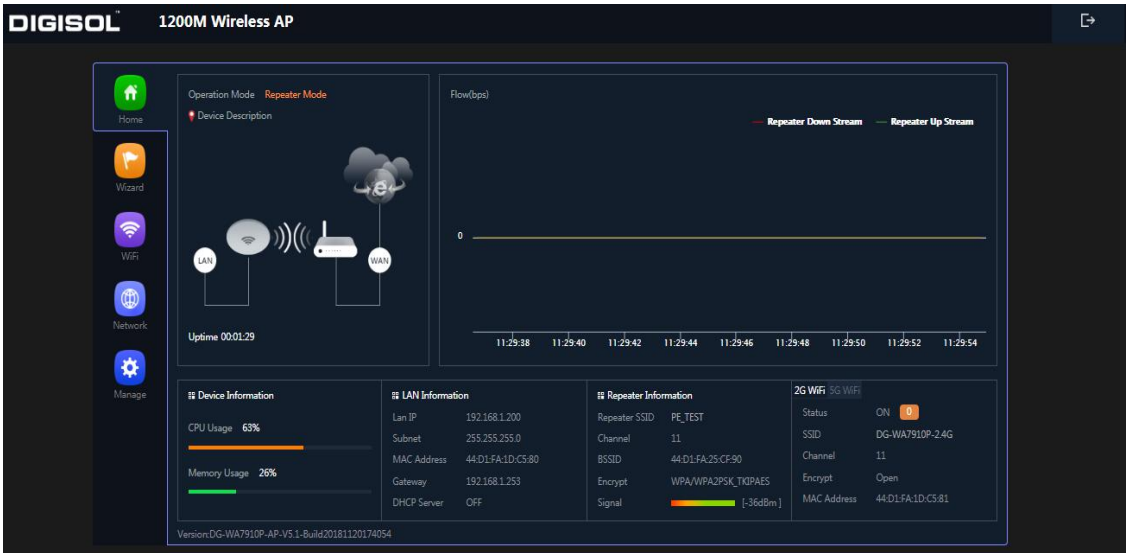
4. Click Return button, will back to Status, show Repeater mode data, will show fail or success, and user can configure this data in this page if required.

Please Note: The equipment will restart for the changes to take effect.



P26 Settings Complete in Repeater Mode



P27 Status in Repeater Mode

4.2.3. WISP Operation mode

Click WISP operation mode in Wizard, then will pop up the configure page, please set the WISP operation mode based on the steps shown in picture:

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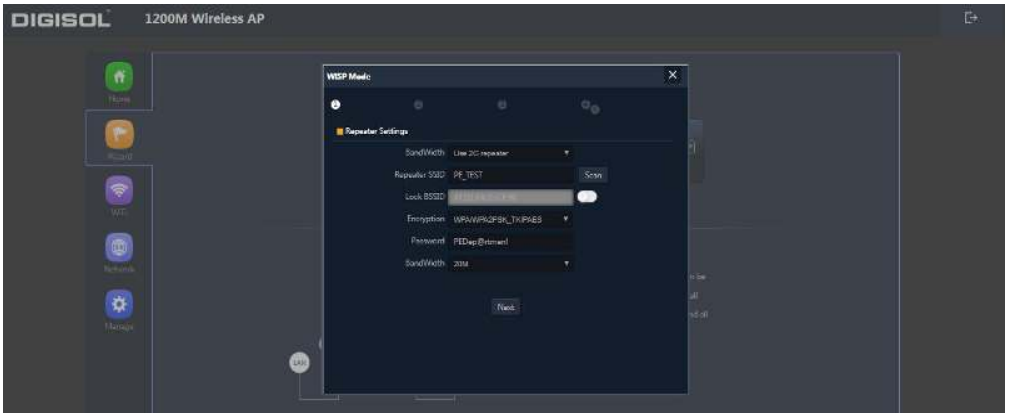
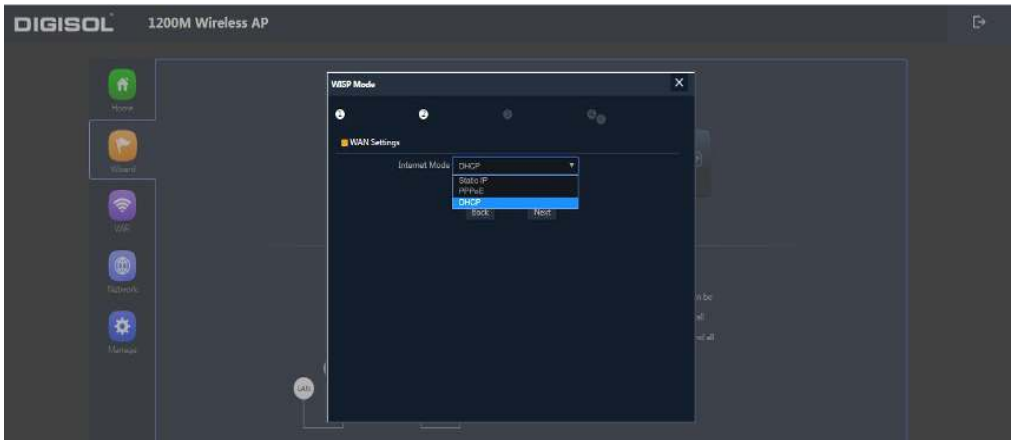


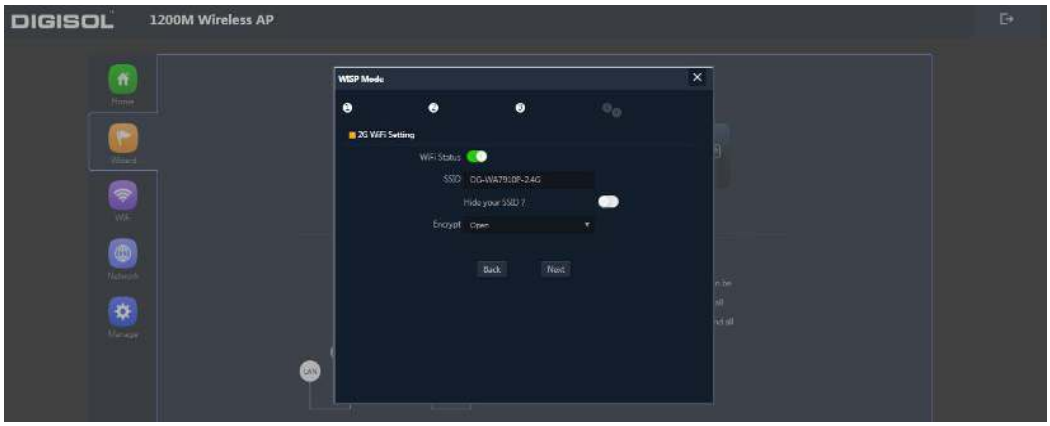
P28 WISP Mode

Select the correct WAN setting and configure appropriate wireless SSID in WISP operation mode, then next to complete.



P29 WAN Setting in WISP Mode

Configure the Wireless Data as shown below



P30 2G Wireless Setting in WISP Mode

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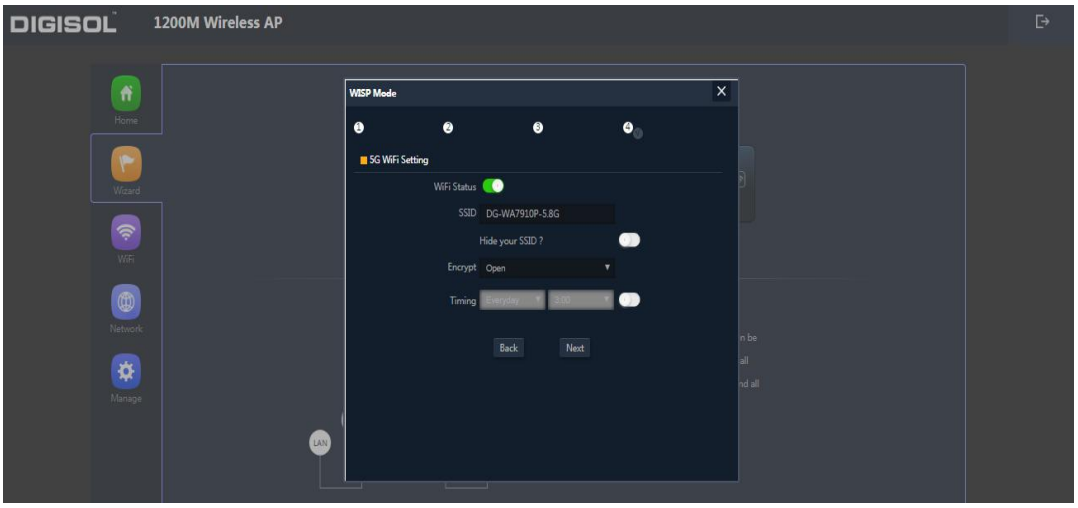
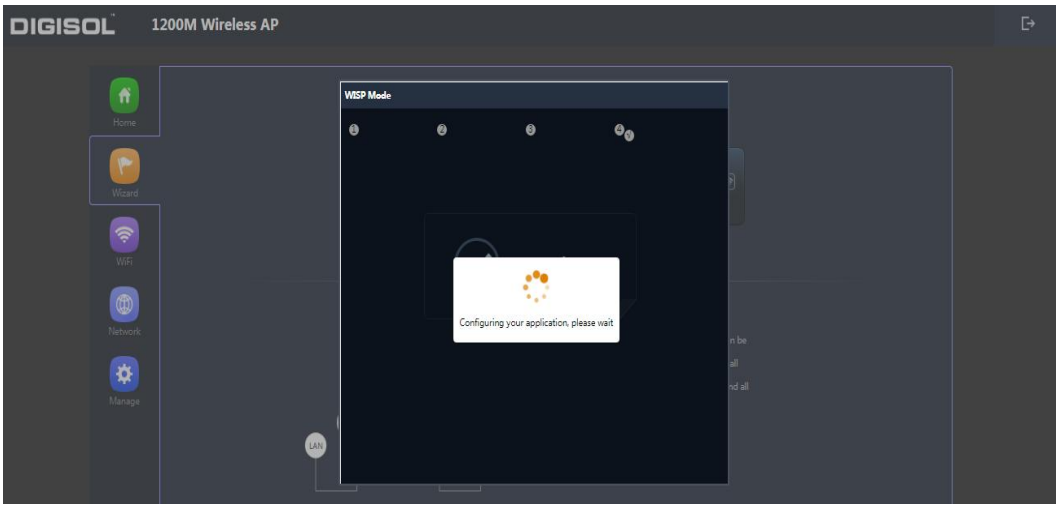


P31 5G Wireless Setting in WISP Mode

Please Note: The equipment will restart for the changes to take effect.

Click on next to complete the wizard and back to Home, it will show connection fail or success, then you can configure the data based on request:



P32 Settings Complete in Repeater Mode

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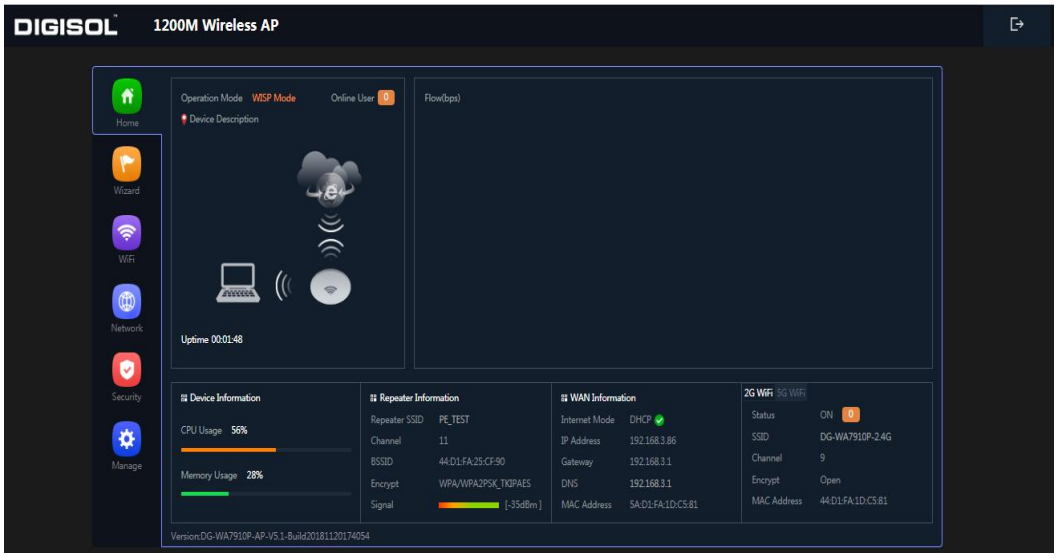
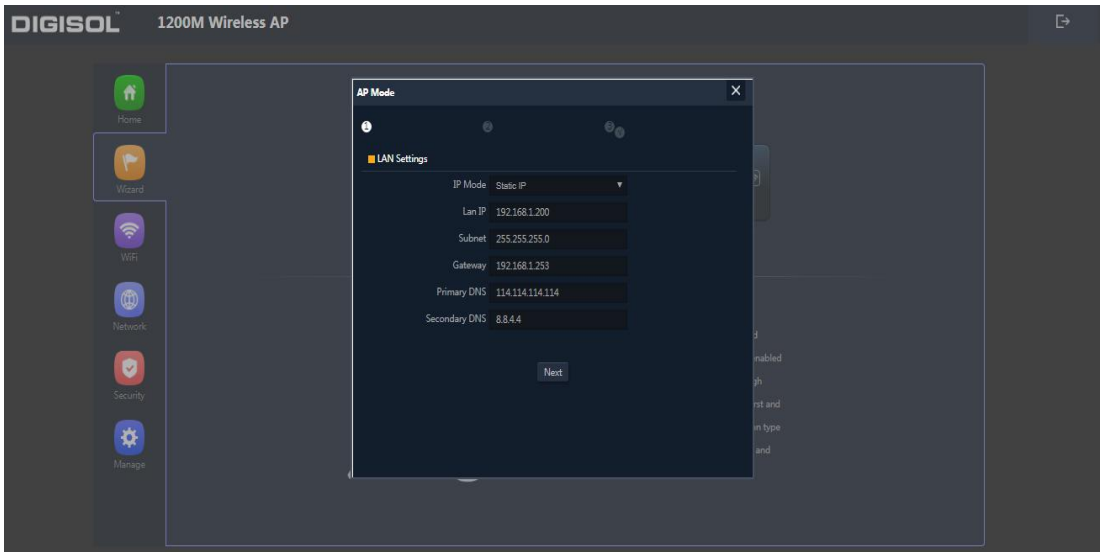


P33 Status in WISP Mode

4.2.4. AP Operation mode

Set the wireless data, AP Location info as required, then click next to continue and enter into LAN setting.

After LAN setting, complete the AP mode configuration and back to Status:



P34 LAN Setting in AP Mode

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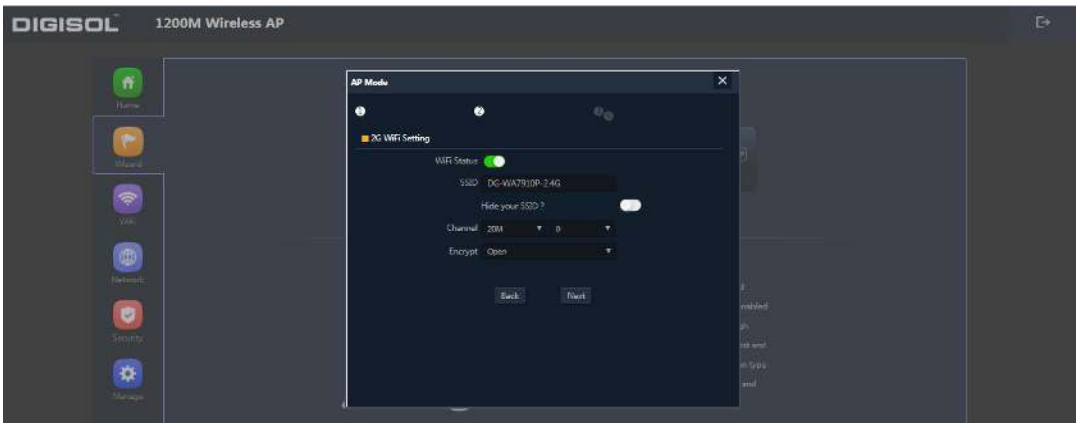
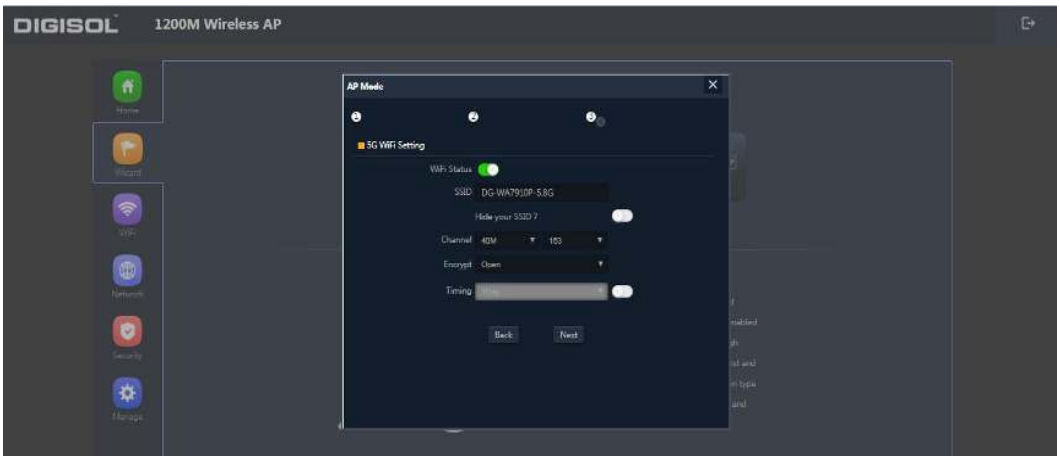
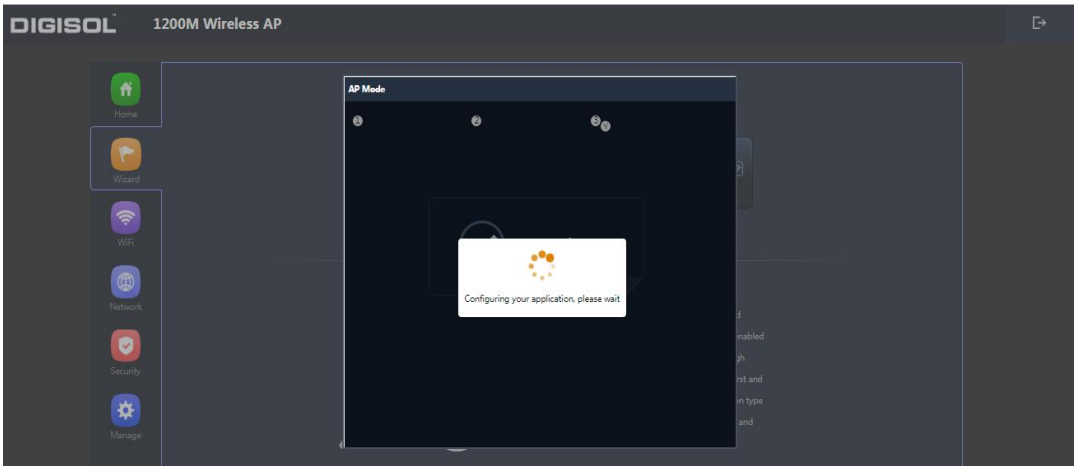


P35 2G Wireless Setting in AP Mode



P36 5G Wireless Setting in AP Mode

Please Note: The equipment will restart for the changes to take effect.



P37 Settings Complete in AP Mode

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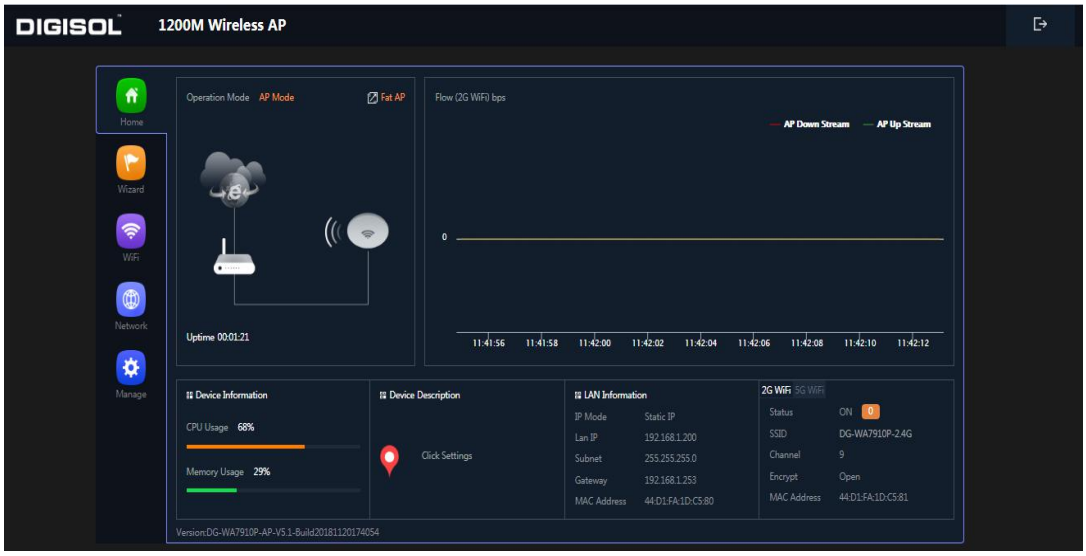


P38 Status in AP Mode

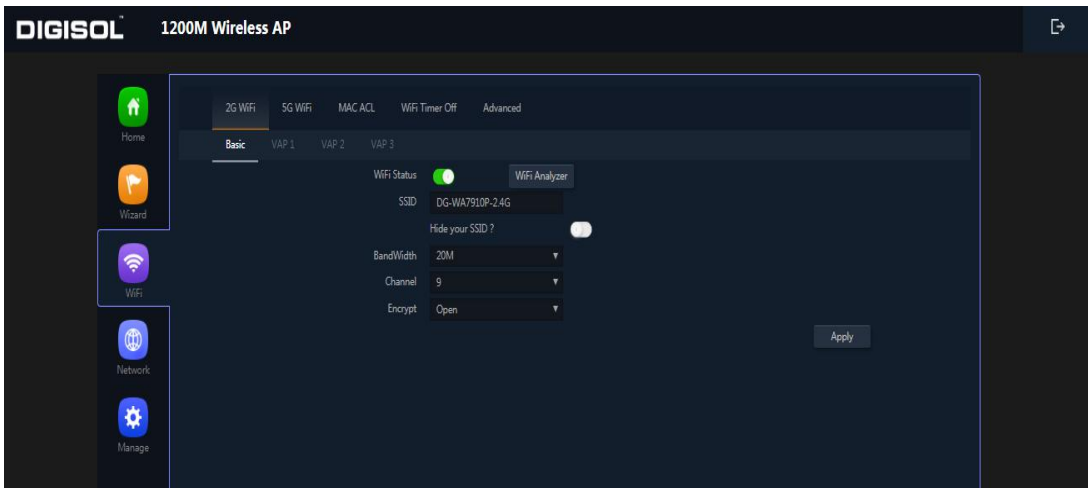
4.3. WiFi

In WiFi setting you can set the 2.4G and 5G SSID, MAC ACL, Wifi Timer off and Advanced settings.

Let's see more in detail in the following pages:

2G Wifi

In this part, will show the 2.4G Basic Setting and Virtual AP setting as shown below



P39 2G WiFi setting

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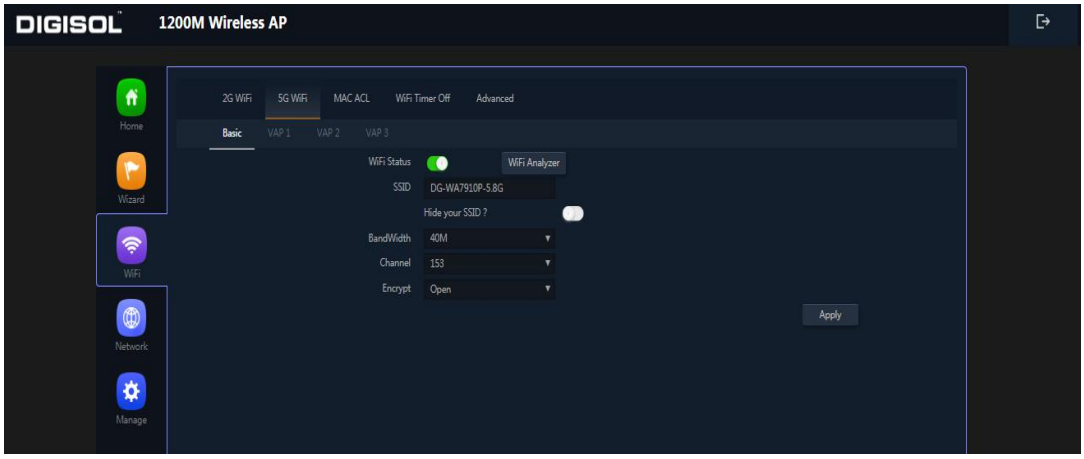
5G WiFi

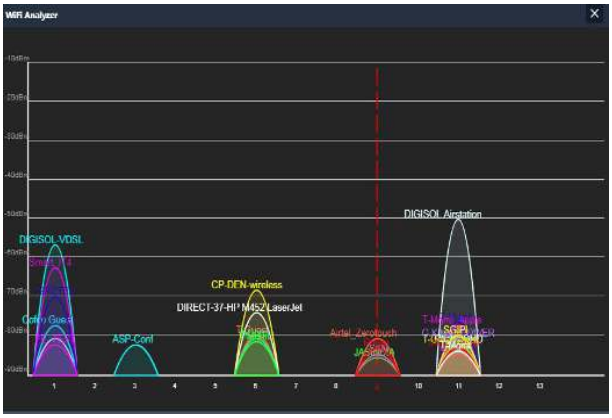
In this part, will show the 5G Basic Setting and Virtual AP Setting as shown below

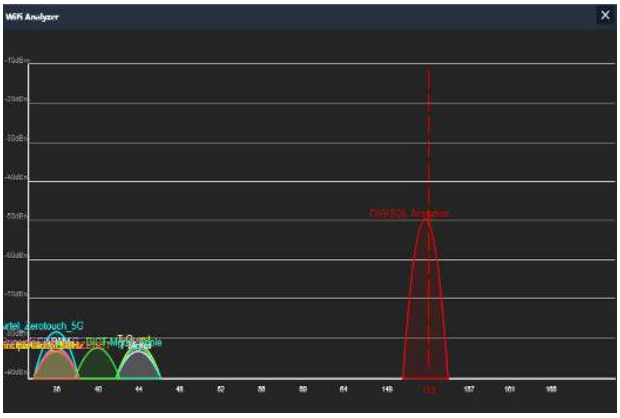


P40 5G WiFi setting

WiFi Status: On mean SSID on, Off mean SSID off.

WiFi Analyzer: Mainly to analyze the AP's signal strength and channel, to make user more easy to choose the channel with less wireless AP and to avoid the Wireless Interference.





P41 WiFi Analyzer

Virtual AP: There are 3 virtual AP in 2.4G and in 5G wireless, for use of multi SSID, then users can configure it as shown in following picture.

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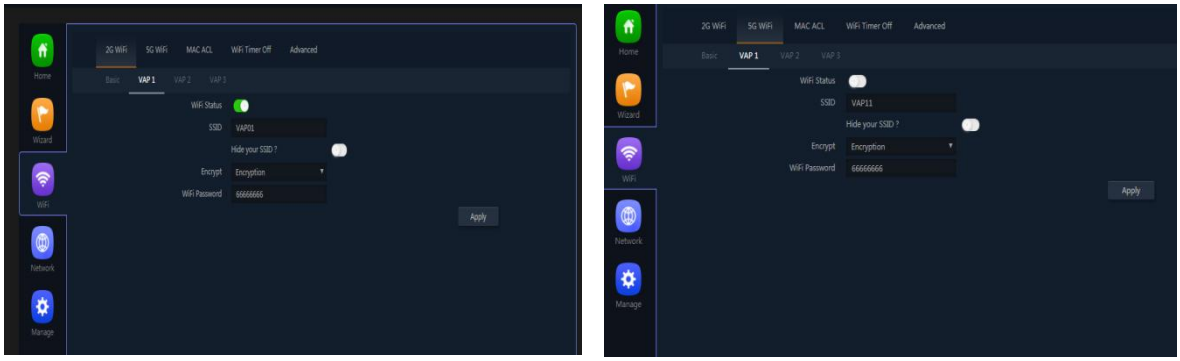
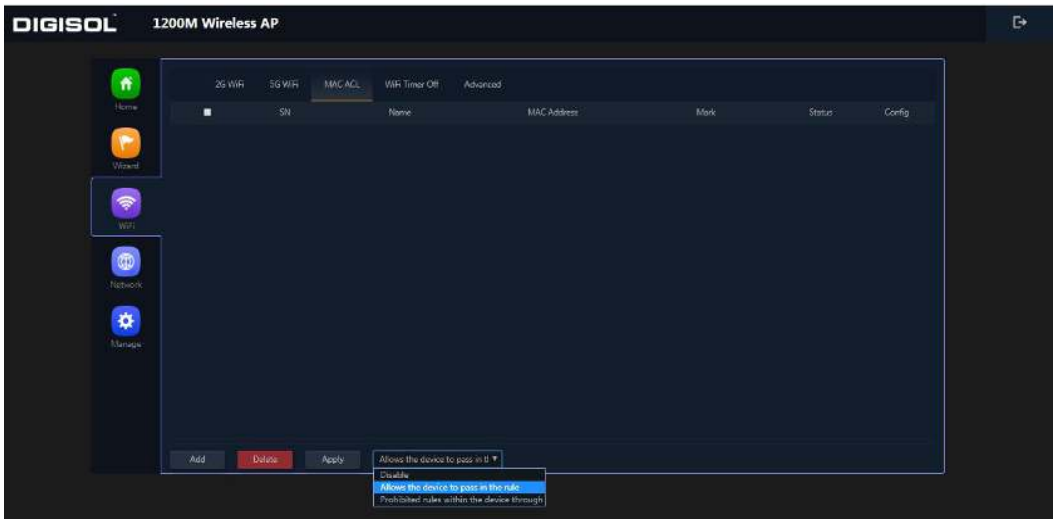


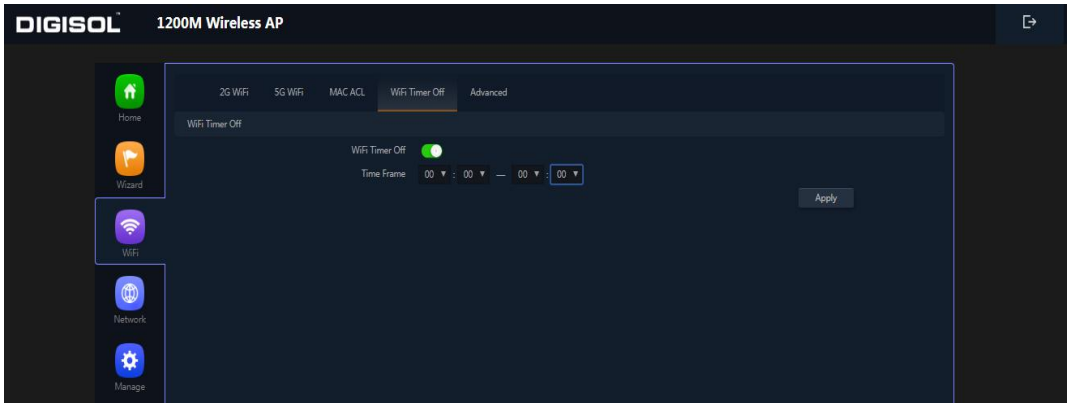
P42 Virtual AP Setting

MAC ACL: Allow or deny the users access into this device based on MAC address.



P43 MAC ACL Setting

WiFi Timer Off: Enable WiFi Timer Off to turn off the SSID in the specified time.



P44 WiFi Timer Off

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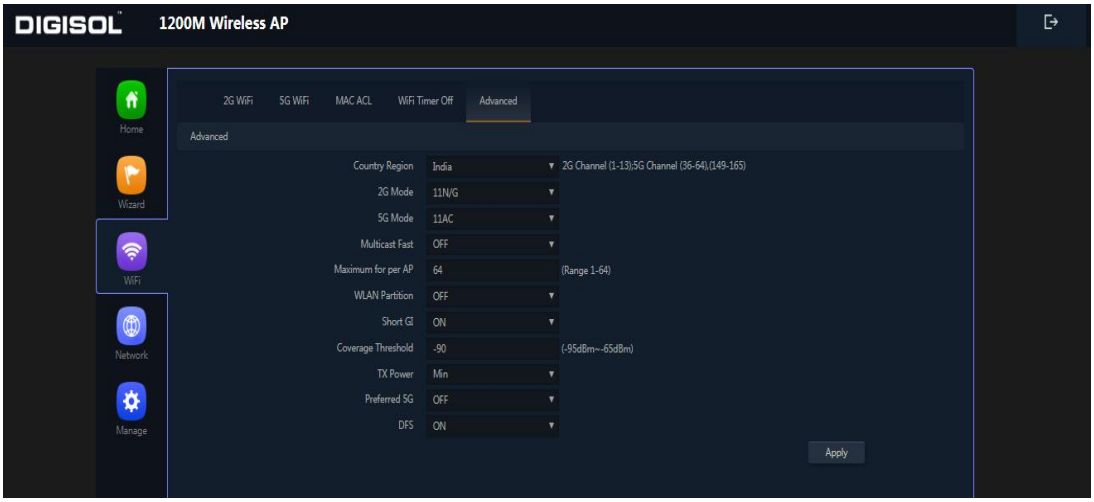
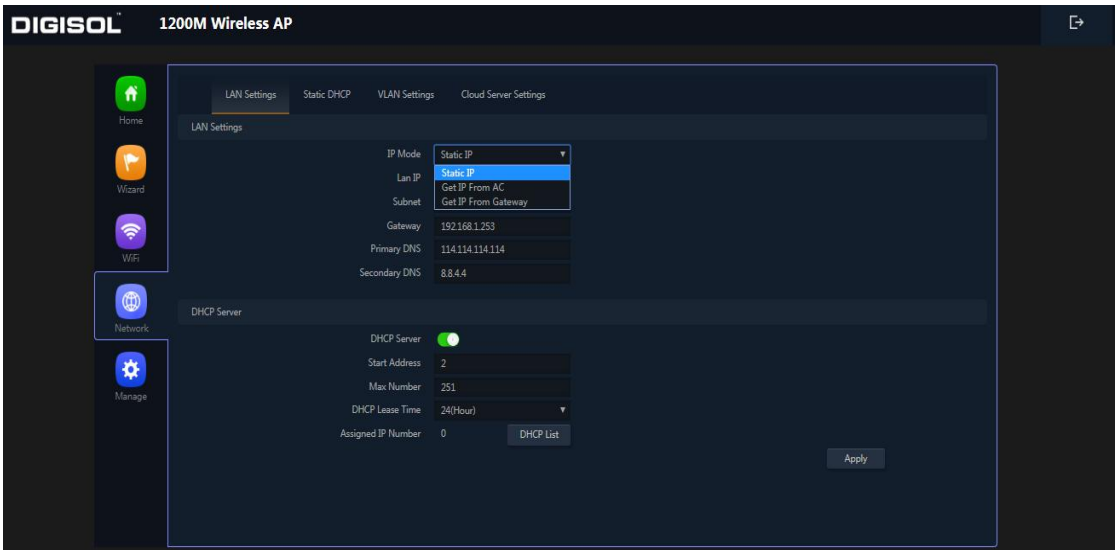
Advanced: This page, will show the regional info, mode, RF Power, Max user access, etc.



P45 Advanced

4.4. Network

In network, you can configure LAN setting, tag VLAN and enable Cloud Server as follow:
LAN Settings mainly includes Static IP, Get IP from AC and Get IP from Gateway.



P46 LAN Settings

In VLAN part, you need a VLAN switch and make sure the multi SSID is enable, then input the VLAN ID to different SSID.

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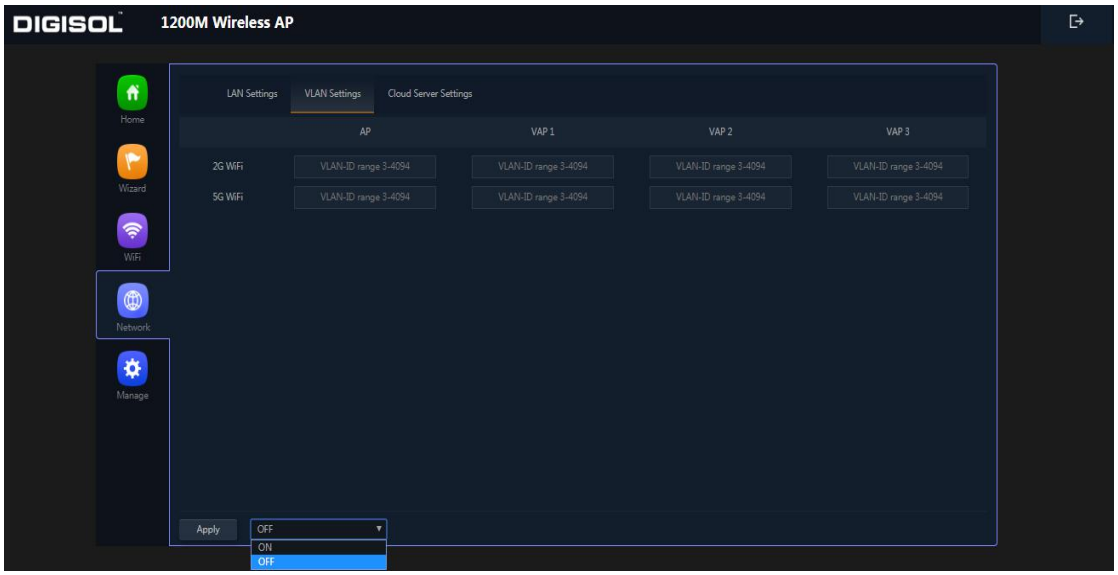
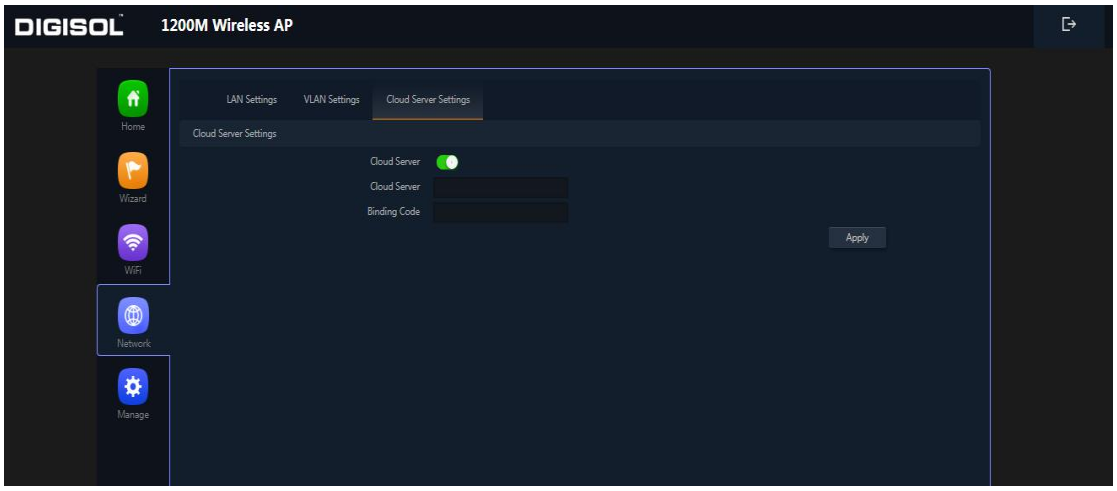


P47 VLAN Setting

In Cloud Server Setting you need to enter the Cloud Server URL and Binding code so that the AP can be managed over the Cloud.



P48 Cloud Server Settings

4.5. Manage

It shows the Configure part, Reboot part, Modify password, System time, Logs, Upgrade firmware.

Configure:- You can save the config or restore the previously saved config or reset the device to its default config and enable Telnet.

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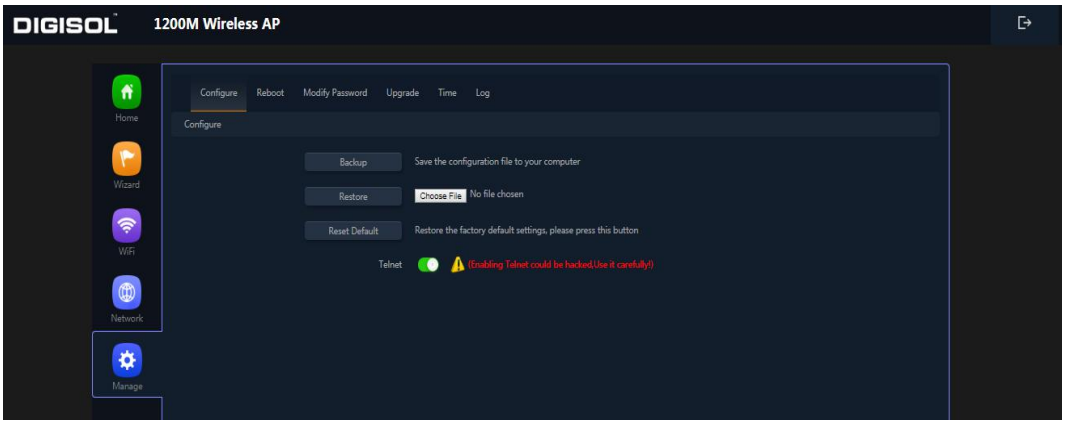
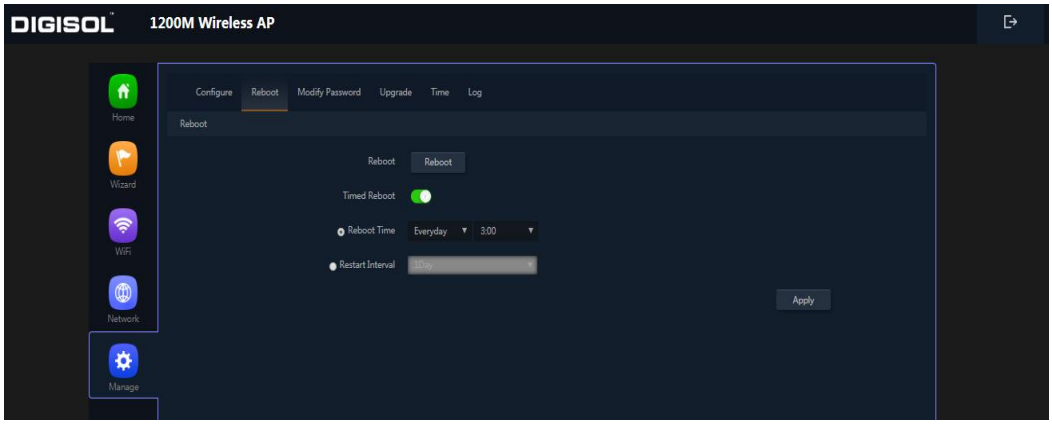


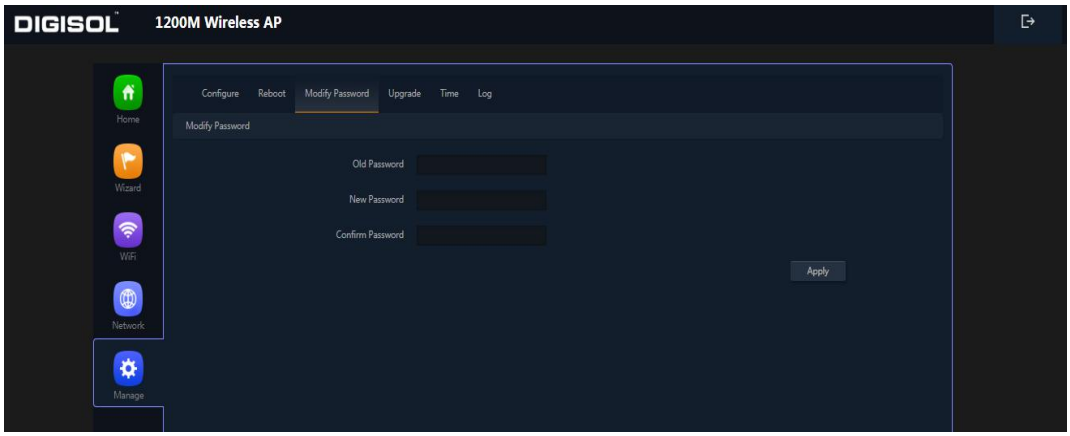
P49 Configure

Reboot: Can reboot/restart the AP on a schedule.



P50 Reboot

Modify Password: Can modify the password. Default password is admin.



P51 Modify Password

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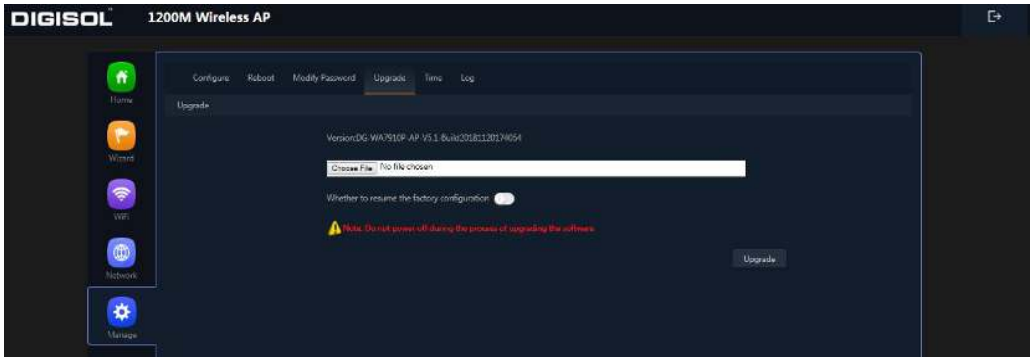
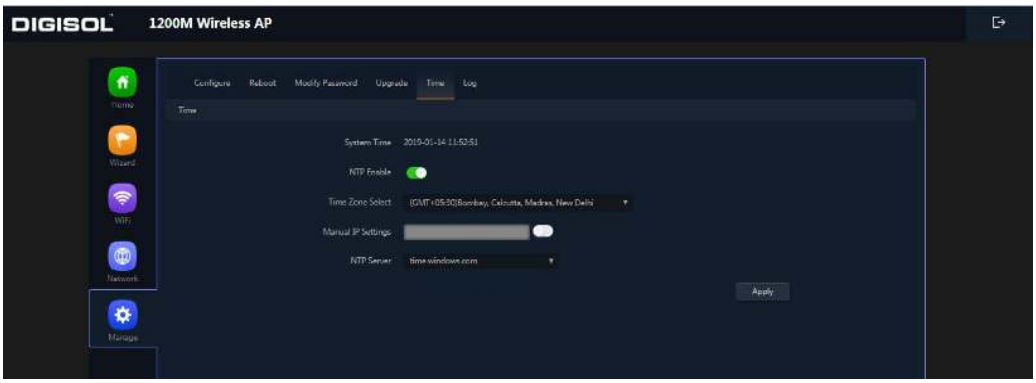
Upgrade :- Browse the firmware file and click on upgrade. Wait till the upgrade is successful. The device will reboot automatically after successful firmware upgrade.



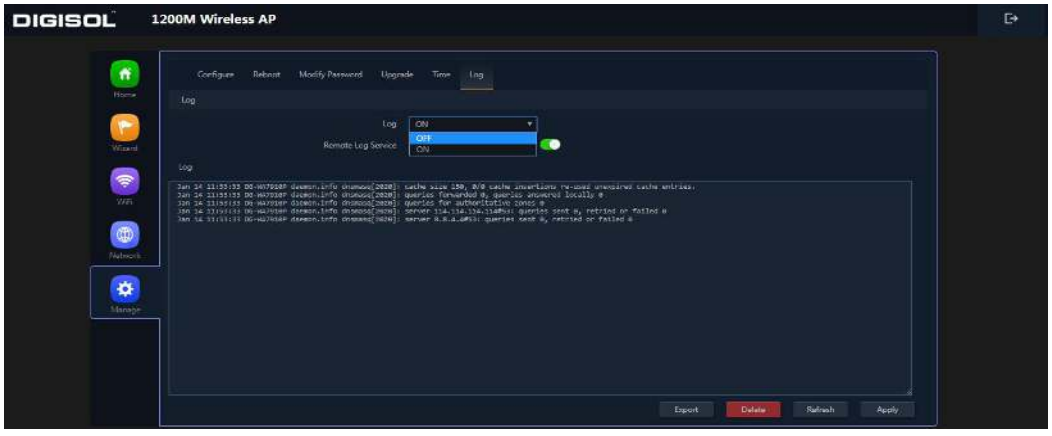
P52 Firmware Upgrade

Time: Here you can check the system time, enable NTP Server and select the Time Zone.



P53 Time

Log: Here you can find the AP's log, you can also enable Remote Log Service.



P54 Log

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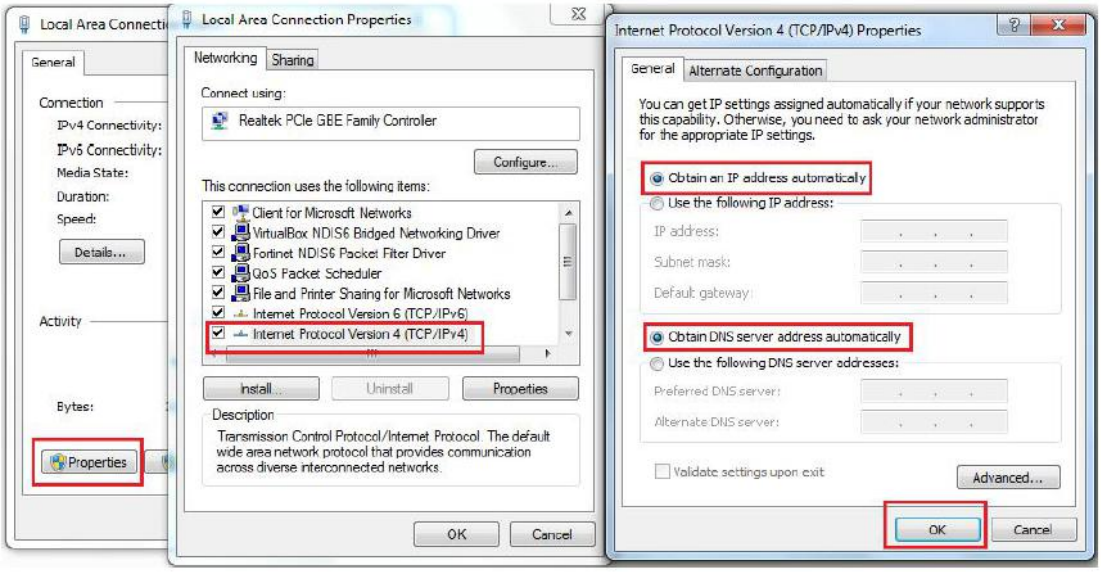
5. Share Internet and Obtain IP address automatically

Set computer's TPC/IP as Obtain an IP address automatically, Obtain DNS server address automatically as following picture showed.

The computer will obtain the IP address from router or base station to get Internet.



P55

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Troubleshooting

The Failure phenomenon and solution

If the problems are not listed, please contact the local service or call the Toll Free service. We are willing to offer the service.

Failure phenomenon	Solution
SYS Indicator off	Pls make sure the PoE module connection is right. POE Port connect with AP, LAN port connect with computer
Can't land to Wireless AP through Web page	Pls check the IP address of computer and Wireless AP to see whether they are in same networking segment, The method is click "start"-"Run" input"cmd", ping 192.168.1.200 to test the Wireless AP connectivity. Reset Wireless AP and load it again; Pls make sure the IP address 192.168.1.200 is not occupied by other device in Wireless AP's networking; Check computer and cable problem, recommend to use 10/100M UTP unshielded cable; Clean up Arp binding from "Start"-"Run" input"cmd" arp –d Clean the IE Brower's temporary files and Cache file。
Wireless AP can't connect with AP（the status display unconnected）	Try to scan the available wireless networking again； Make sure the Wireless AP's wireless standard is correct；(2.4Ghz signal should connect 2.4Ghz, 5.8Ghz signal should connect 5.8Ghz signal). The Security and passwords are matched between Wireless AP Router and AP； The signal strength of AP is too weak to connect, should be more than -75dBm；

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Can't scan the wireless AP	Scan it several times more; If using 5Ghz to scan, please make sure there are 5G signal existed. Reset the device, scan it again after device restarts;
The connection of Wireless AP and AP is success, but the computer can't share internet	Pls Check the computer's IP address and DNS setting. If it is dynamic, set the network card as automatically obtain. If it is static IP, pls contact with ISP for correct IP address and DNS address.
How to Reset Wireless AP	Press the "Reset" button more than 15 seconds after power on. The device will restore factory default after it restarts.

This product comes with One Year warranty. For further details about warranty policy and product registration, please visit support section of www.digisol.com

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DIGICARE™

Standard Warranty

This Product is covered under DIGICARE Standard Warranty program backed by DIGICARE Service Center. To avail this Standard Warranty offer, customer needs to contact DIGICARE's Technical Assistance Center for the same. You may be asked to provide proof of purchase of product for warranty claim of defective product. Please refer website www.digisol.com for the detailed support terms & conditions and support process.

Warranty Policy

1. Hardware Warranty : Hardware warranty period shall be limited up to One year. External Power Adapter shall carry Three months warranty only against manufacturing defects. Any repair or replacement will be rendered by DIGICARE at its Service Center only.

2. Software Warranty : DIGISOL issues this Limited Software Warranty that the software portion of the product ("Software") will substantially confirm to DIGISOL's then current functional specifications for the software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of one year ("Software Warranty period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation.

3. Governing Law: This warranty shall be governed by Indian Laws.

4. Standard Warranty shall subject to the terms & conditions specified in the DIGISOL PRODUCT WARRANTY policy displayed on www.digisol.com

5. To avail and activate warranty for your product.
Kindly register your product by calling us @18002093444

DIGICARE™ helpdesk@digisol.com 1800 209 3444