InfraPower®

Inspired by Your Data Center

User Manual

IPD-WIFI WIFI Kit

Designed and manufactured by Austin Hughes

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Legal Information

First English printing, December 2021

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

Safety Instructions

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40º Celsius (104º Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing dam age to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labelled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being dam aged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invali date its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - ☐ Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - ☐ Repair or attempted repair by anyone not authorized by us.
  - ☐ Any damage of the product due to shipment.
  - ☐ Removal or installation of the product.
  - ☐ Causes external to the product, such as electric power fluctuation or failure.
  - ☐ Use of supplies or parts not meeting our specifications.
  - ☐ Normal wear and tear.
  - ☐ Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential instal-lation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. 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:

- Re-position or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

Part I. Overview

< 1.1 > Package Content

WIFI Kit (IPD-WIFI)

- Antenna x 1
- USB wireless adapter x 1
- Magnetic stand with 1M antenna wire x 1

Unpacking

The equipment comes with the standard parts shown on the package contents. Check and make sure they are included and in good condition. If anything is missing, or damage, contact the supplier immediately.

< 1.2 > Technical Specification

IPD-WIFI Wireless Specification	
IEEE Standards	IEEE 802.11a / b / g / n / ac
Operating Frequencies	2.4GHz~2.4835GHz / 5.15GHz~5.85GHz
Modulation	· 802.11b : CCK, DQPSK, DBPSK · 802.11a/g : 64-QAM, 16-QAM, QPSK, BPSKz · 802.11n : 64-QAM, 16-QAM, QPSK, BPSK · 802.11ac : 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK BT, 8DPSK, π/4DQPSK, GFSK
Wireless Date Rate	· 802.11b : 1, 2, 5.5, 11 Mbps · 802.11a/g : 6, 9, 12, 18, 24, 36, 48, 54 Mbps · 802.11n : HT20 reach up to 72.2Mbps, HT40 reach up to 150Mbps · 802.11ac : VHT20 reach up to 86.7Mbps, VHT40 reach up to 200Mbps, VHT80 reach up to 433.3Mbps
Security	· WPA2 - Personal · WPA2 - Enterprise

Part II. Hardware Connection

< 2.1 > Antenna + USB Wireless Adaptor

Step < 1 >

■ Inset and screw the antenna to the USB wireless adapter. Fix the antenna in place & lift it up.

Step < 2 >

■ Take out the membrane from the PDU dongle, and the WIFI USB port will be found.

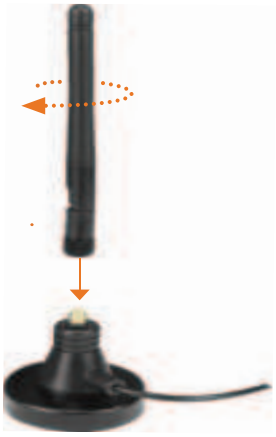
Step < 3 >

■ Connect the USB wireless adapter (with antenna) to PDU dongle

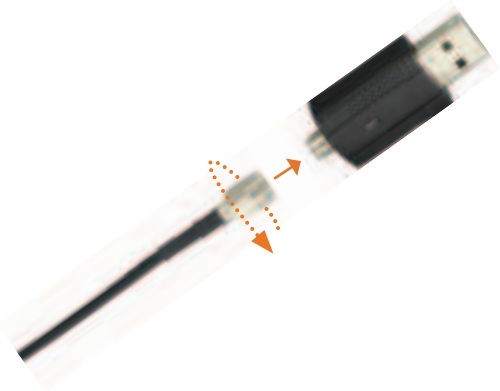
< 2.2 > Antenna + USB Wireless Adaptor + Magnetic Stand with Antenna Wire

Step < 1 >

■ Inset and screw the antenna to the magnetic stand, and fix the antenna in place.

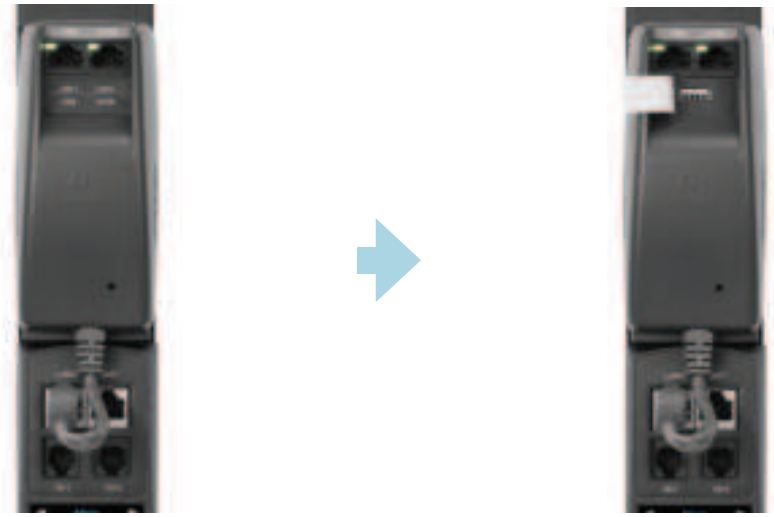


■ Inset and screw the 1M antenna wire to USB wireless adapter, and fix the adapter in place.



Step < 2 >

■ Take out the membrane from the PDU dongle, and the WIFI USB port will be found.



Step < 3 >

■ Connect USB wireless adapter to PDU dongle.

■ Affix the magnetic stand (with antenna) to the desirable area of rack.

Part III. WIFI Network Configuration

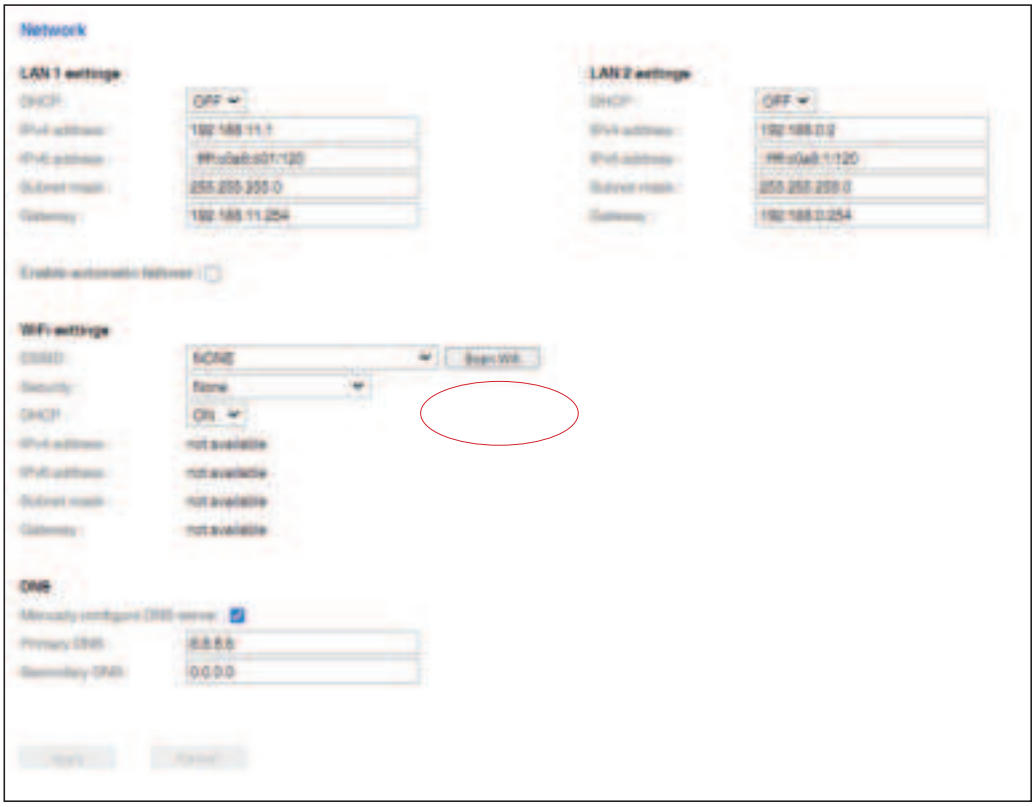
< Preparation >

- Make sure the network meet the security WPA2 - Personal or WPA2 - Enterprise.
- PDU dongle IPD-03-S is well connected to the iPDU and powered on.
- Login IPD-03-S web UI via LAN 1/ LAN 2 to configure the WIFI network.

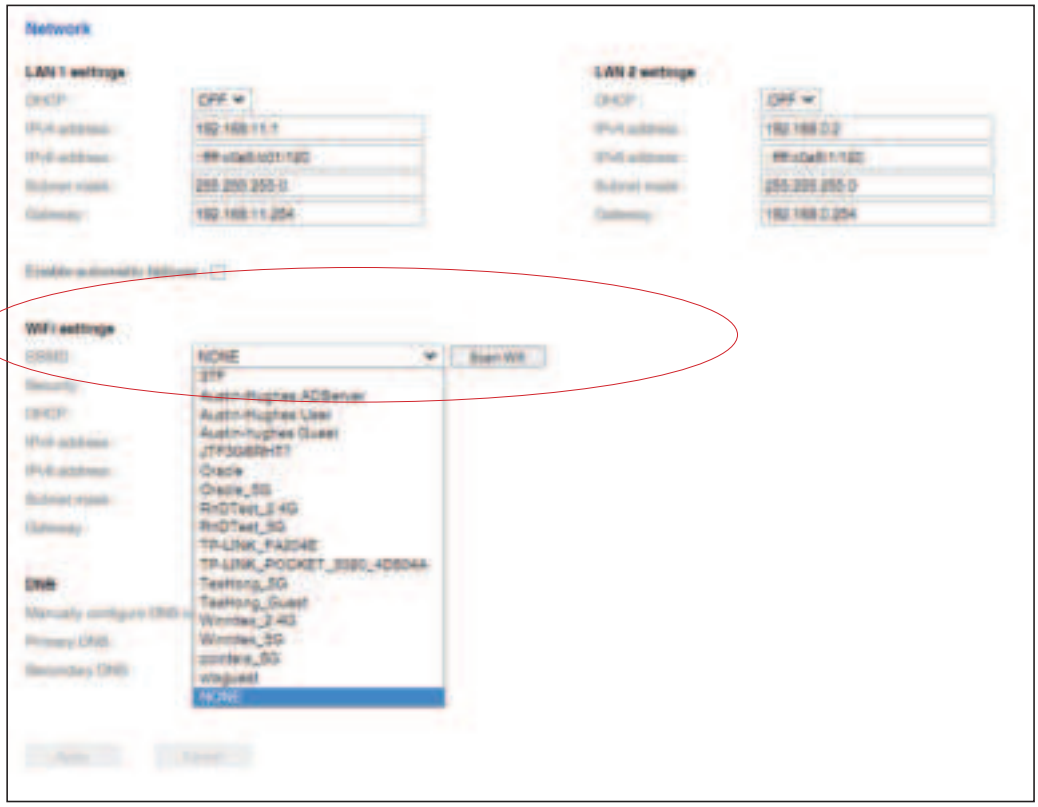
3rd party WIFI kit is not compatible to InfraPower.
Make sure IPD-WIFI has been used for the WIFI network connection.

< 3.1 > Wifi Static IP setting

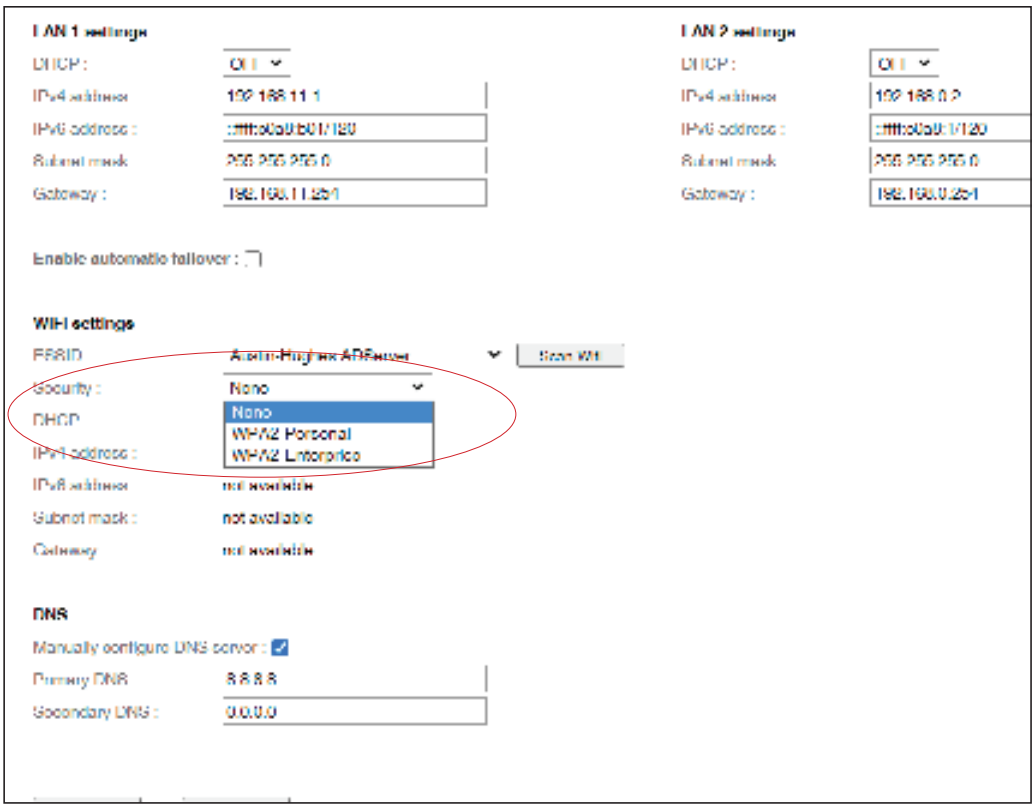
Step 1. Click " Scan Wifi " to search the available WiFi network



Step 2. Select the appropriate network from the pull down menu of " ESSID "

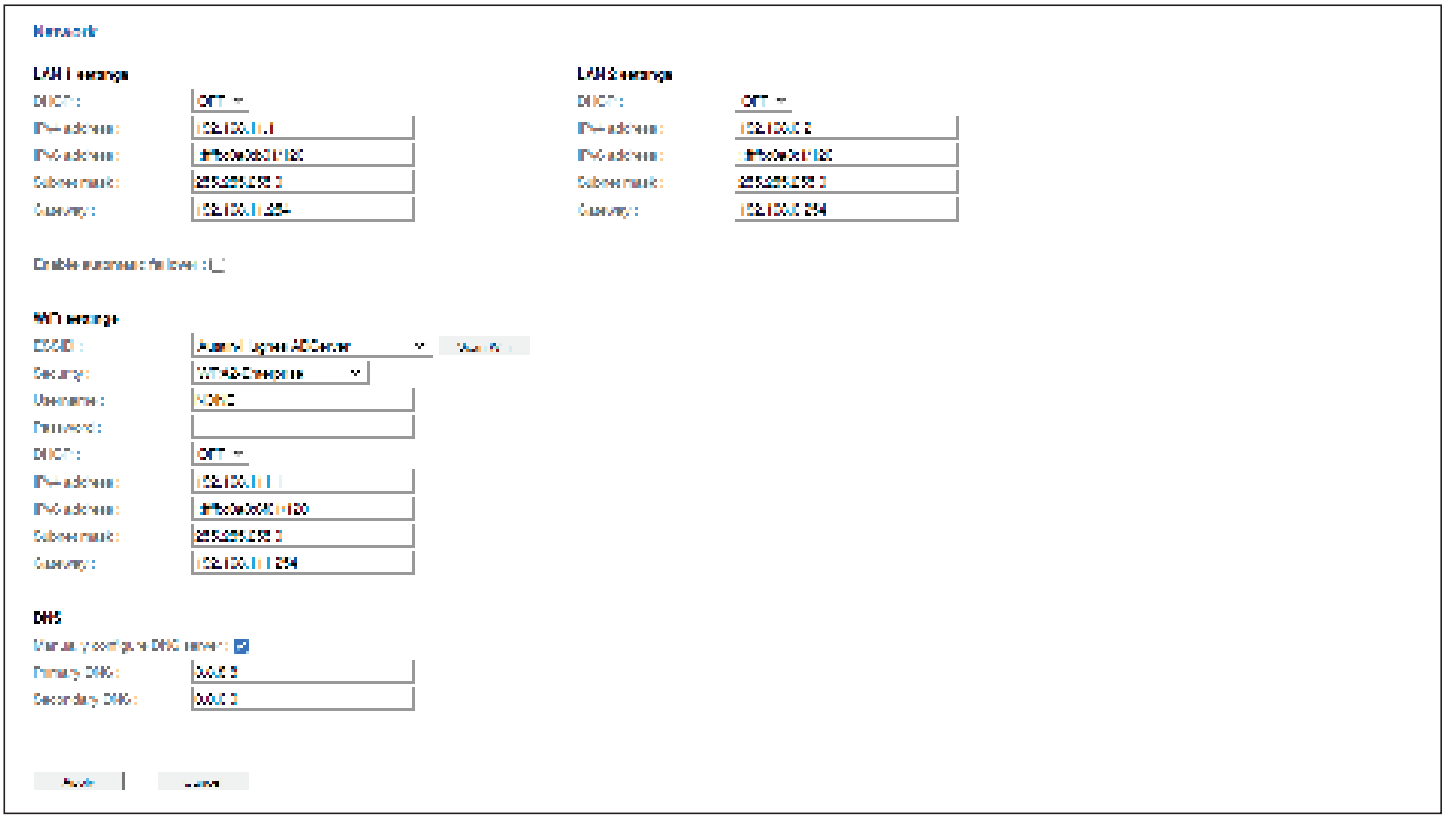


Step 3. Select the security type (NONE / WPA2-Personal / WPA2-Enterprise)



Part III. WIFI Network Configuration

Step 4. Enter “ Username “ (For security type : WPA2-Enterprise ONLY)



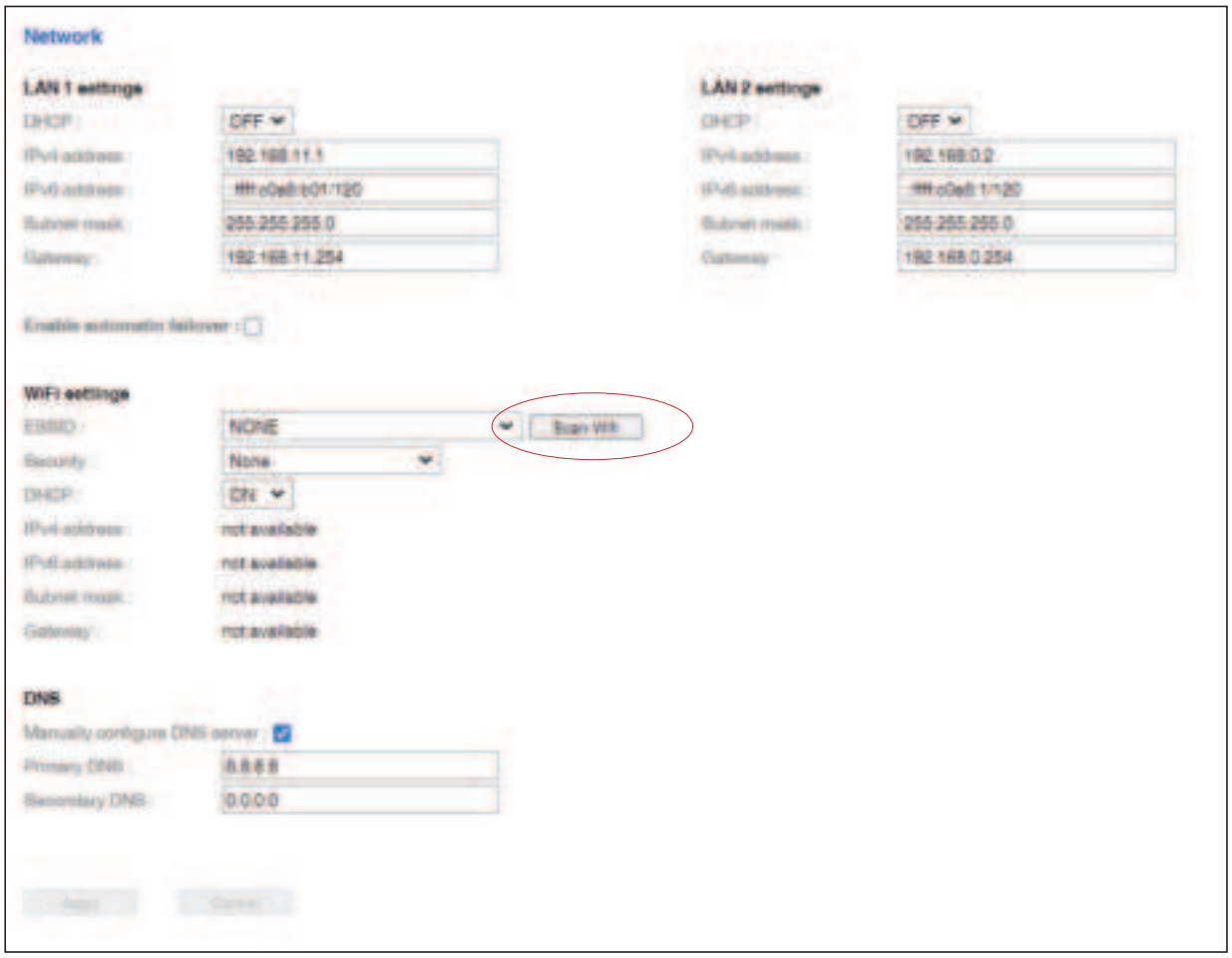
Step 5. Enter “ Password “

Step 6. Select “ DHCP “ to “ OFF “. Default is “ ON “

Step 7. Enter “ IPv4 address “ , “ IPv6 address “ , “ Subnet mask “ , “ Gateway “ & Click “ Apply “ to finish the above settings.

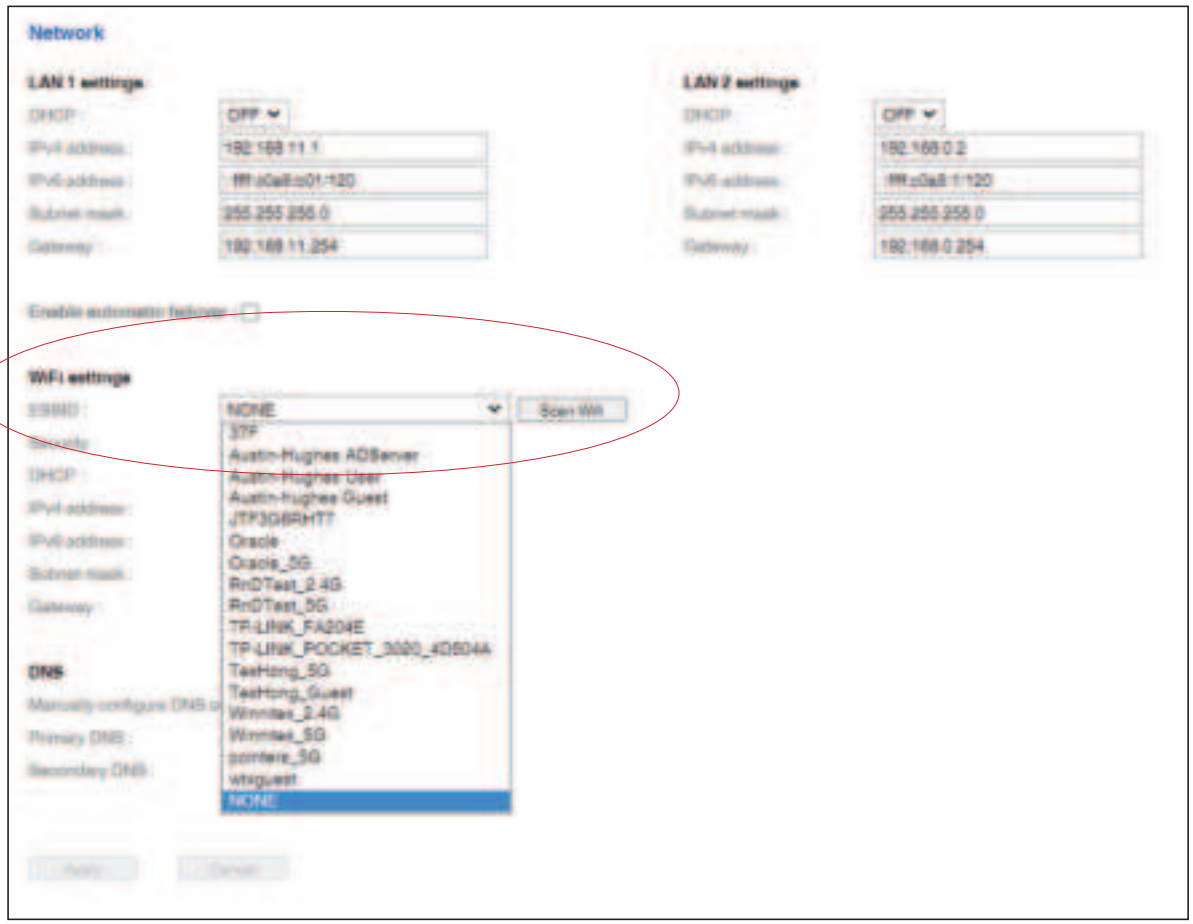
< 3.2 > Wifi DHCP setting

Step 1. Click “ Scan Wifi “ to search the available Wifi network

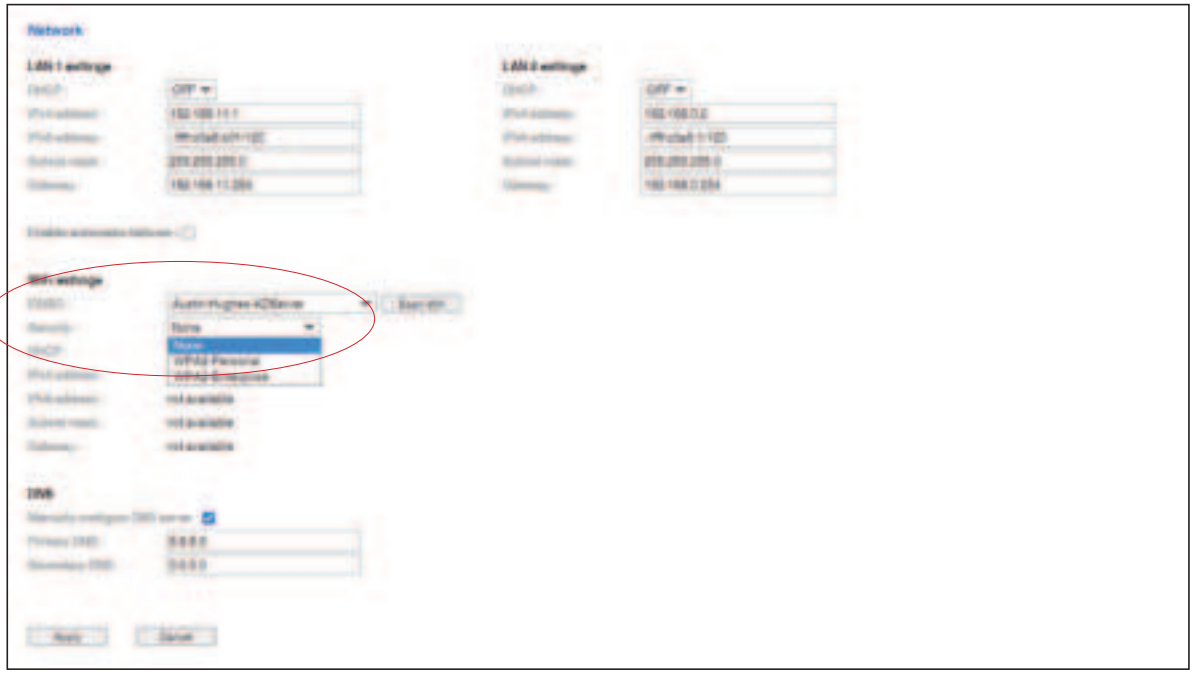


Part III. WIFI Network Configuration

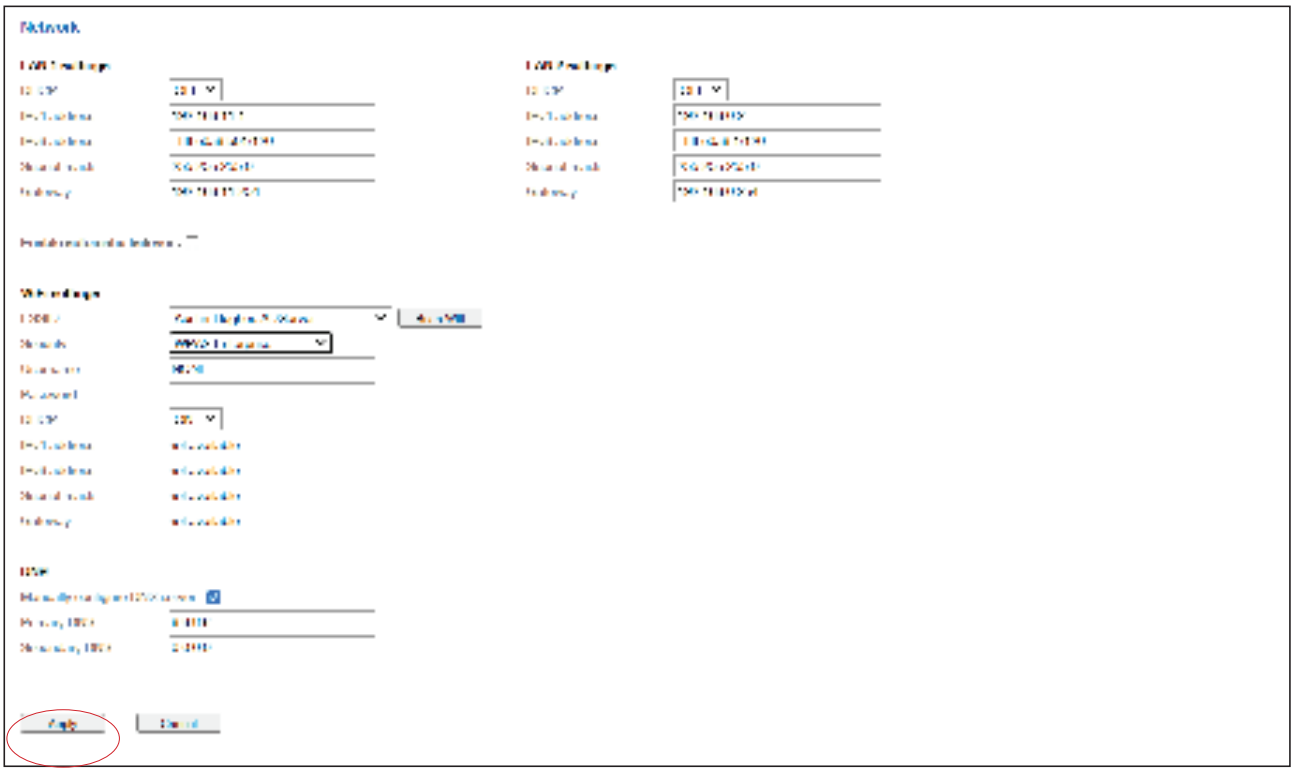
Step 2. Select the appropriate network from the pull down menu of " ESSID "



Step 3. Select the security type (NONE / WPA2-Personal / WPA2-Enterprise)



Step 4. Enter “ Username “ (For security type : WPA2-Enterprise ONLY)

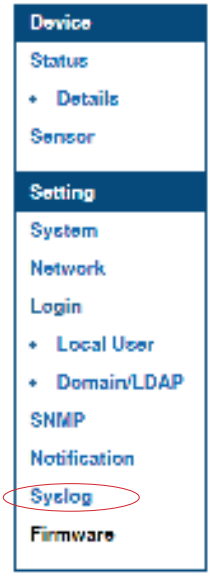


Step 5. Enter “ Password “

Step 6. Select “ DHCP “ to “ ON “. Default is “ ON “

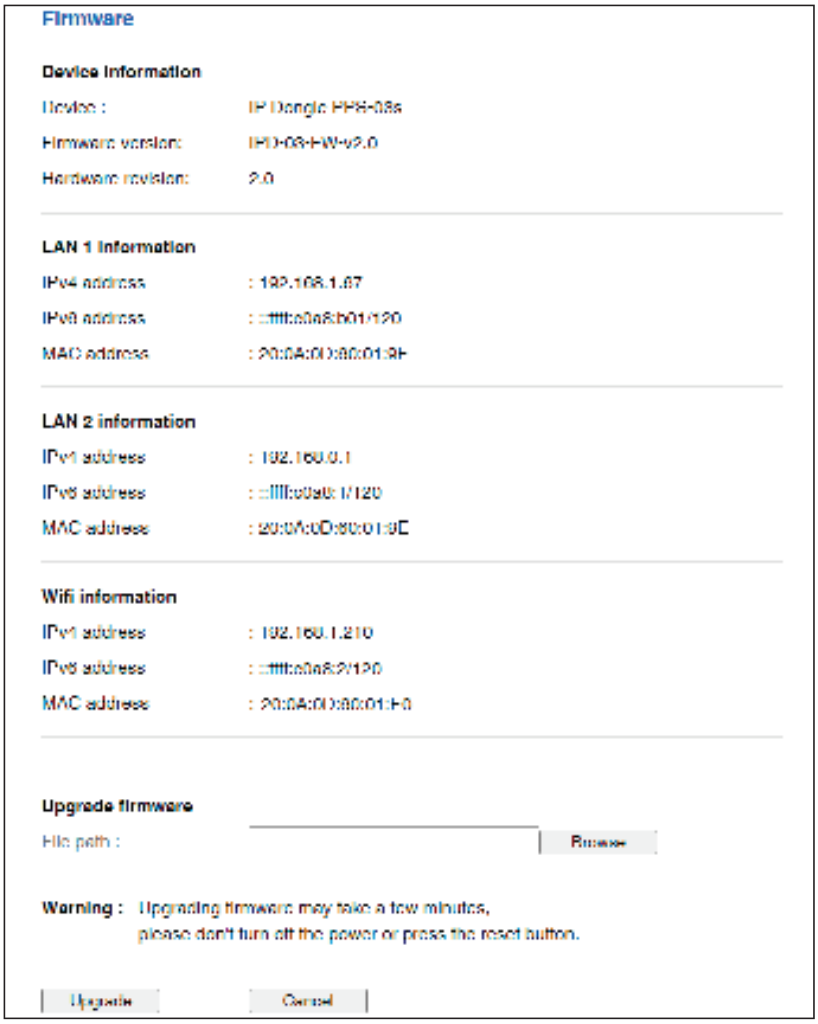
Step 7. Click “ Apply “ to finish the above settings.

Step 8. Select “ Firmware “ from the left navigation pane



Part III. WIFI Network Configuration

Step 9. Record the " MAC address " of the Wifi kit



Step 10. Assign an IP address of the Wifi kit from your DHCP server.

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