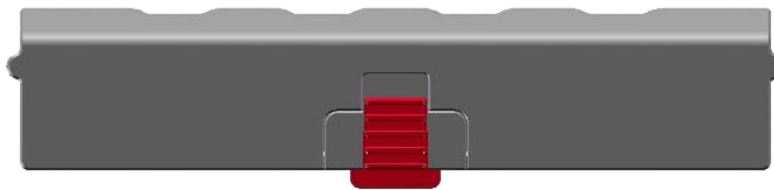# ALink3 User manual

Product appearance：

Electrical characteristic

1. Input voltage：12-27V
2. Input current：1.5A

Supported LiDAR models

AU10
AA450

radar-mounted

Install the LiDAR to the adapter and connect the 15pin connector of the adapter to ALink3

Module configuration

1. Configure the PC to the 192.168.254.X network segment.
2. Log in to the WIFI module through the wired network port. IP address: 192.168.254.254, account admin, password admin. (Or log in to the WiFi module through the wireless network port, connect the module WiFi and log in to the website http://vonets.cfg)
3. Change the module working mode to routing mode：
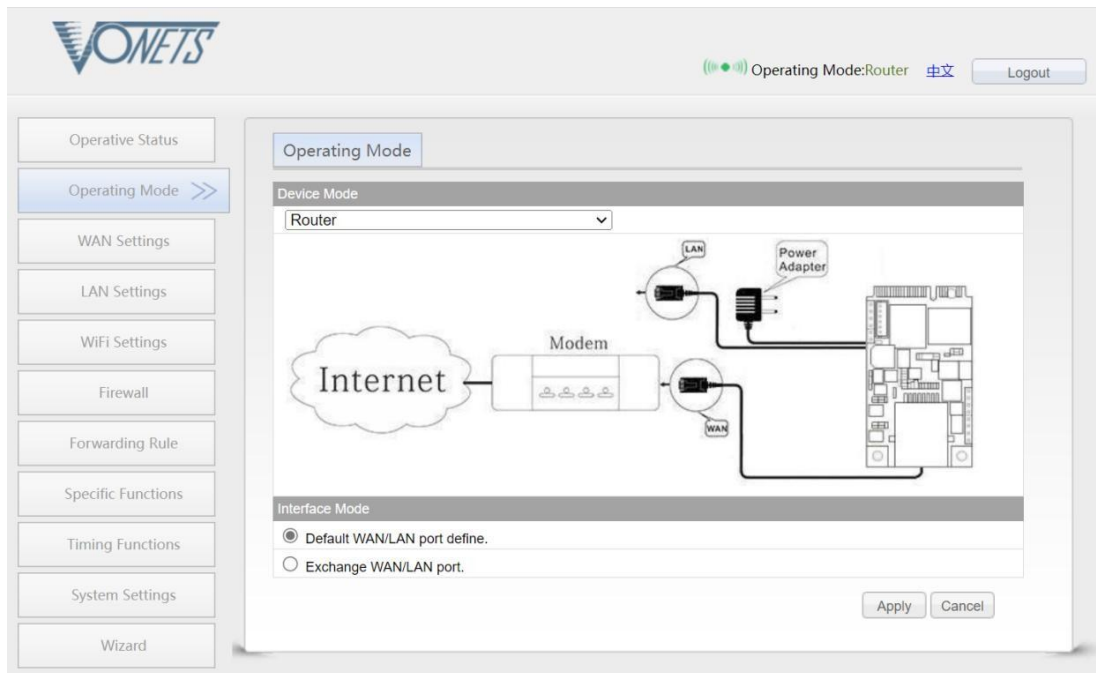
4. The WAN port Settings are as follows：
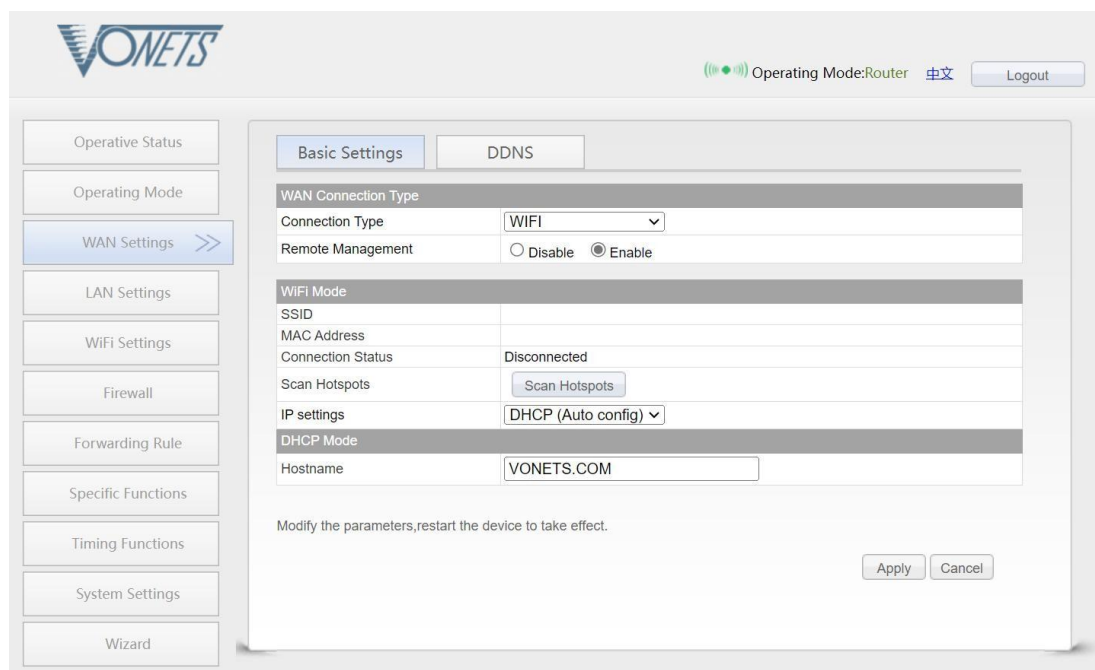
When the modification is complete, click the Confirm button.

5. The LAN port Settings are as follows：

Change the IP address to 192.168.0.1, start IP address to 192.168.0.2, and end IP address to 192.168.0.49（The final interpretation belongs to the specific project）.

6. WIFI Settings are as follows：

Set the WIFI name ALink-xxx and fixed Channel 13 according to the project requirements.

The safe mode is disabled.(No connection password required) :
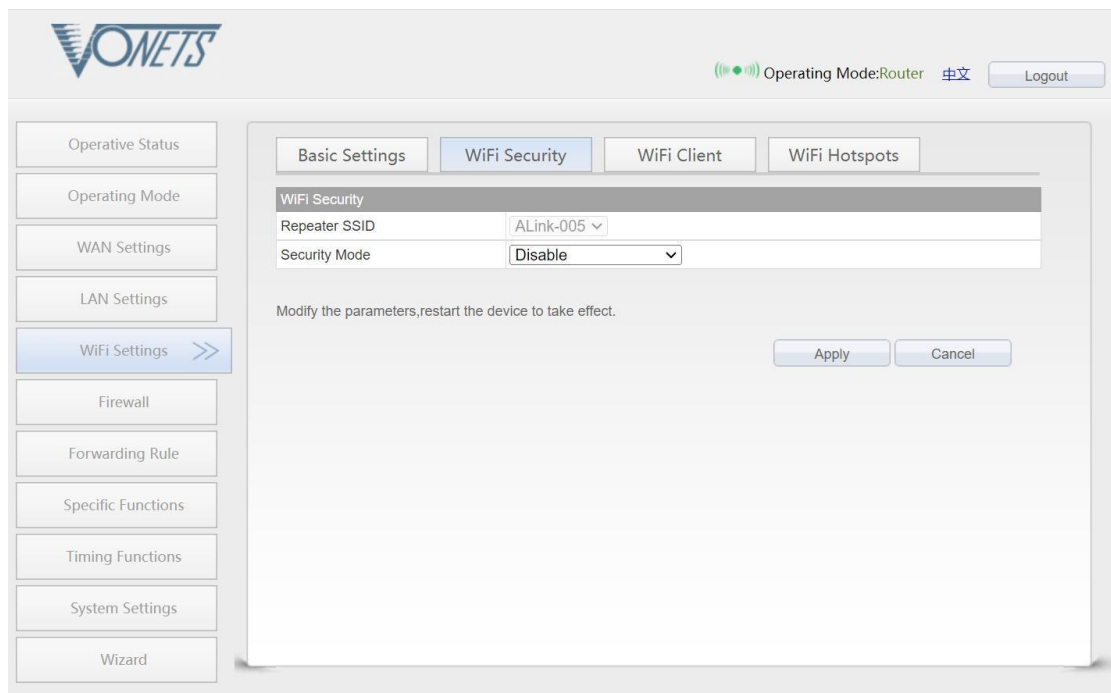
7. Configure serial port forwarding

Specific Features -> Serial Port (UART) -> Data Forwarding Services & Serial Port Settings (COM1).
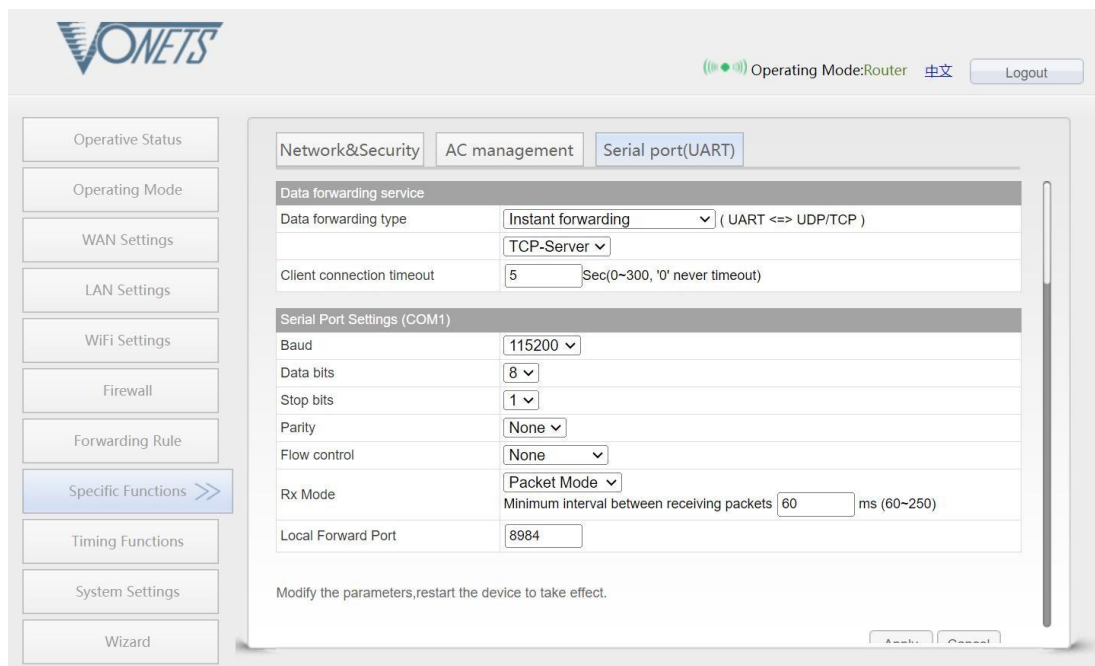
Configure according to the parameters in the figure (0&5&120 can be modified if the client connection times out), and click OK when the configuration is complete.

8. Save the parameters and restart the WIFI module for the parameters to take effect.

ALink3 Connection definition

ALINK（J30JZ-15）		
Serial number	Definition	Instructions
9	ETH_TX+	100 Mbit network ports are twisted
10	ETH_TX-	
11	ETH_RX+	100 Mbit network ports are twisted
12	ETH_RX-	
3	TTL_TX_OUT	433 TX
4	TTL_RX_IN	433 RX
1	DC24V	
2	GND	
ALINK（J30JZ-15）		
Serial number	Definition	Instructions
6	LAN_TX+	100 Mbit network ports are twisted
7	LAN_TX-	
14	LAN_RX+	100 Mbit network ports are twisted
15	LAN_RX-	
ALINK（J30JZ-15）		
Serial number	Definition	Instructions
3	TTL_TX_OUT	ALINK TX
4	TTL_RX_IN	ALNK RX
5	GND	

FCC Caution

§ 15.19 Labeling requirements.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

§ 15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§ 15.105 Information to the user.

Note: 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 limits 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 an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated withminimum distance 20cm between the radiator & your body.