

The Wireless Module HL9344-Y User Manual

1. The ports introduction of the Module HL9344-Y

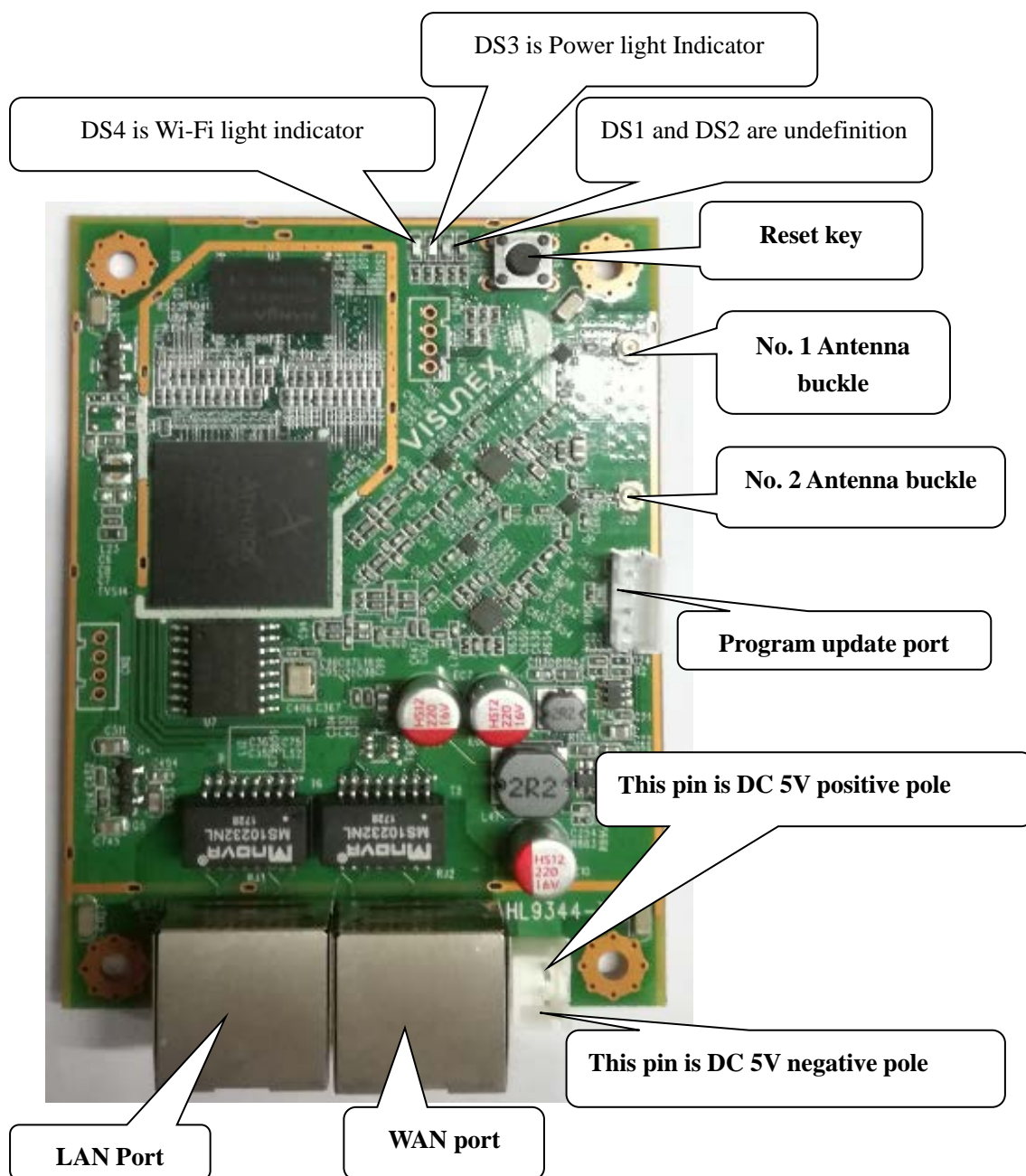


Figure 1.1 The ports Introduction

2. Power supply:

Input: DC 5V, 1A.

3. Configuration of the software

- 1) Connect the module to DC 5V, 1A for power supply, and then plug in one the network cable in the module LAN port and plug in another end of the network cable to the computer's network port.

Turn on the computer, open the web browser, input the default router's IP address: 192.168.8.253:8088, the login interface will appear after entered, shown as the Figure3.1.1. The default user name is: root, The default password is: root. Click “Login” to access to the setting interface.



Figure 3.1.1 The module Login interface

- 2) Select Time Zone: Click “System” > “System Time”, select the corresponding Time Zone shown as the Figure3.1.2, then click the “Save & Apply”.

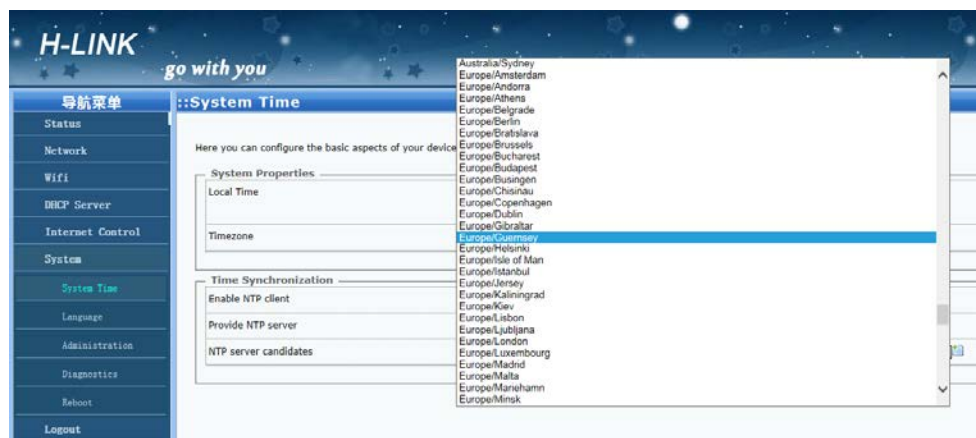


Figure 3.1.2 Select Time Zone

- 3) Setting the IP address of the LAN port: Click the “Network ” > “LAN”, Setting the IP address, Click the “Save & Apply” after setting.



Figure 3.1.3 Setting the IP address of the LAN port

- 4) Select the wireless network transmit power: Click the “Wifi” > “General Setup”, Select transmit power according to local laws and regulations, then click the “Save &Apply”.

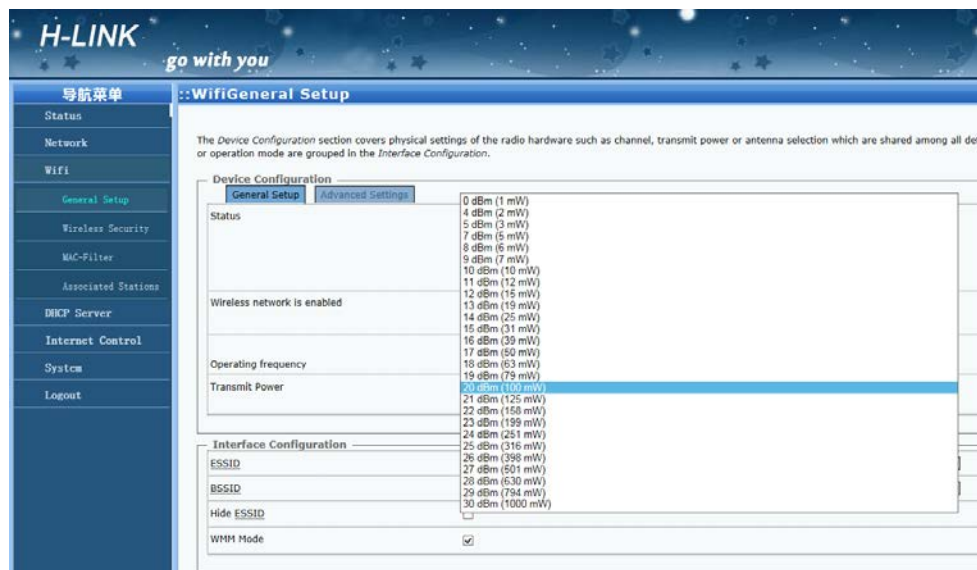


Figure 3.1.4 Select the transmit power

- 5) Setting the wireless network name: Click the “Wifi” > “General Setup”, set the wireless network name, then click the “Save &Apply”.

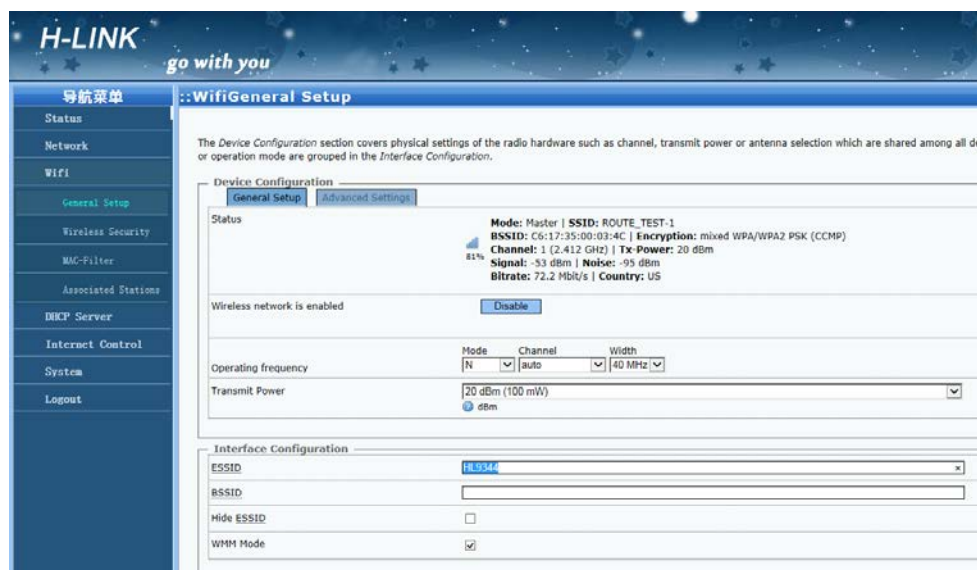


Figure 3.1.5 Setting the wireless network name

- 6) Setting the wireless network safe password : Click “Wifi” > “Wireless Security”, Select encryption “WPA-PSK/WPA2-PSK” ,Select Cipher “auto”, as shown in Figure 3.1.6,and then input the password of the wireless network, click the “Save & Apply”.

Note: Do not forget the password of the wireless network, each wireless device connect to the module should use this password.



Figure 3.1.6 Setting the wireless network safe password

Federal Communications Commission (FCC) Interference Statement

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 generate, 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 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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

Industry Canada (IC)

CAN ICES-3 (B)/NMB-3(B)

This device complies with Industry Canada's licence-exempt RSSs. 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.

Cet appareil est conforme à la norme RSS d'Industrie Canada. Son fonctionnement est sujet aux deux conditions suivantes:

- (1) le dispositif ne doit pas produire de brouillage préjudiciable, et
- (2) le dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

IMPORTANT NOTE:

Radiation Exposure Statement:

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

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20cm de distance entre la source de rayonnement et votre corps.

OEM Integration Instructions :

This device is intended only for OEM integrators under the following conditions :

The module can be used to installation in other host. The antenna must be installed such that 20 cm is maintained between the antenna and users, and the transmitter module may not be co-located with any other transmit or antenna. The module shall be only used with the integral antenna(s) that has been originally tested and certified with this module. As long as 3 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirement with this module installed (for example, digital device emission, PC peripheral requirements, etc.)

IMPORTANT NOTE :

In the event that these conditions cannot be met (for example certain laptop configuration or co-location with another transmitter), then the FCC authorization for this module in combination with the host equipment is no longer considered valid and the FCC ID of the module cannot be used on the final product. In these and circumstance, the OEM integrator will be responsible for re-evaluating. The end product (including the transmitter) and obtaining a separate FCC authorization. The final end product must be labeled in a visible area with the following: **“Contains Transmitter Module FCC ID: 2AOIB-HL9344Y or Contains FCC ID: 2AOIB-HL9344Y”**.

Antenna Specification:

Antenna Type	Manufacturer	Frequency Range (MHz)	Maximum Peak Antenna Gain (dBi)
PIFA Antenna	Kunshan Blue Line Electronics Co.,Ltd.	2400 - 2500	2.0

Note : The device didn't support beam-forming technology and Cyclic Delay Diversity (CDD) technology, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.

IMPORTANT NOTE :

This Wireless Module (IC: 23430-HL9344Y) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

The Host Marketing Name (HMN) must be displayed (according to e-labelling requirements) or indicated at any location on the exterior of the host product or product packaging or product literature, which shall be available with the host product or online.

The host product shall be properly labelled to identify the modules within the host product. The Innovation, Science and Economic Development Canada certification label of a module shall be clearly visible at all times when installed in the host product; otherwise, the host product must be labelled to display the Innovation, Science and Economic Development Canada certification number for the module, preceded by the word “Contains” or similar wording expressing the same meaning, as follows: Contains IC: 23430-HL9344Y.

Antenna Specification:

Antenna Type	Manufacturer	Frequency Range (MHz)	Maximum Peak Antenna Gain (dBi)
PIFA Antenna	Kunshan Blue Line Electronics Co.,Ltd.	2400 - 2500	2.0

Note : The device didn't support beam-forming technology and Cyclic Delay Diversity (CDD) technology, and the transmit signals are uncorrected, so no add array gain to the band power and band PSD.