WIFITD-1

USER MANUAL

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1. Connection to the board

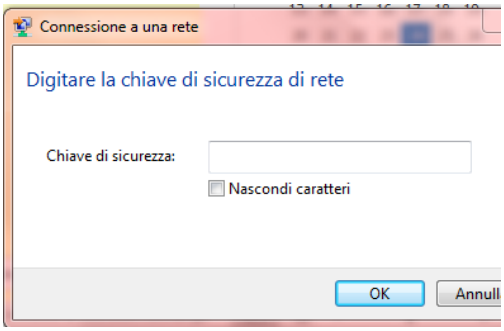
There are 2 different way to connect to the board to configure it.

1.1 Through WiFi

Choose HI-LINK_5BC3 available in the WIFI list of the PC.

(Example of list of available WiFi networks)

Insert the security key requested: 12345678 and press OK



1.2 Through Ethernet cable

Connect on the ETHD-1 through a direct Ethernet cable on the RJ45 port called LAN.

LAN port on the ETHD-1 board.

Example on the Pc desktop

On the other side, connect on the RJ45 port (Ethernet) of the PC

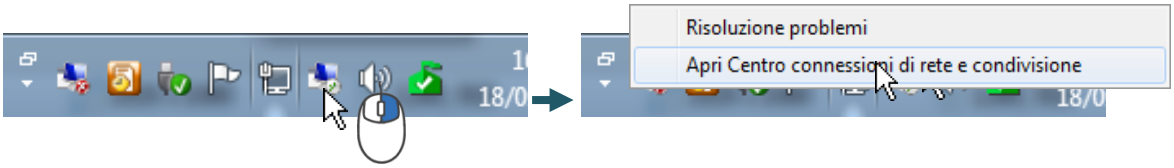
Example on the Notebook

1.2.1 Modify the Ethernet board of the PC

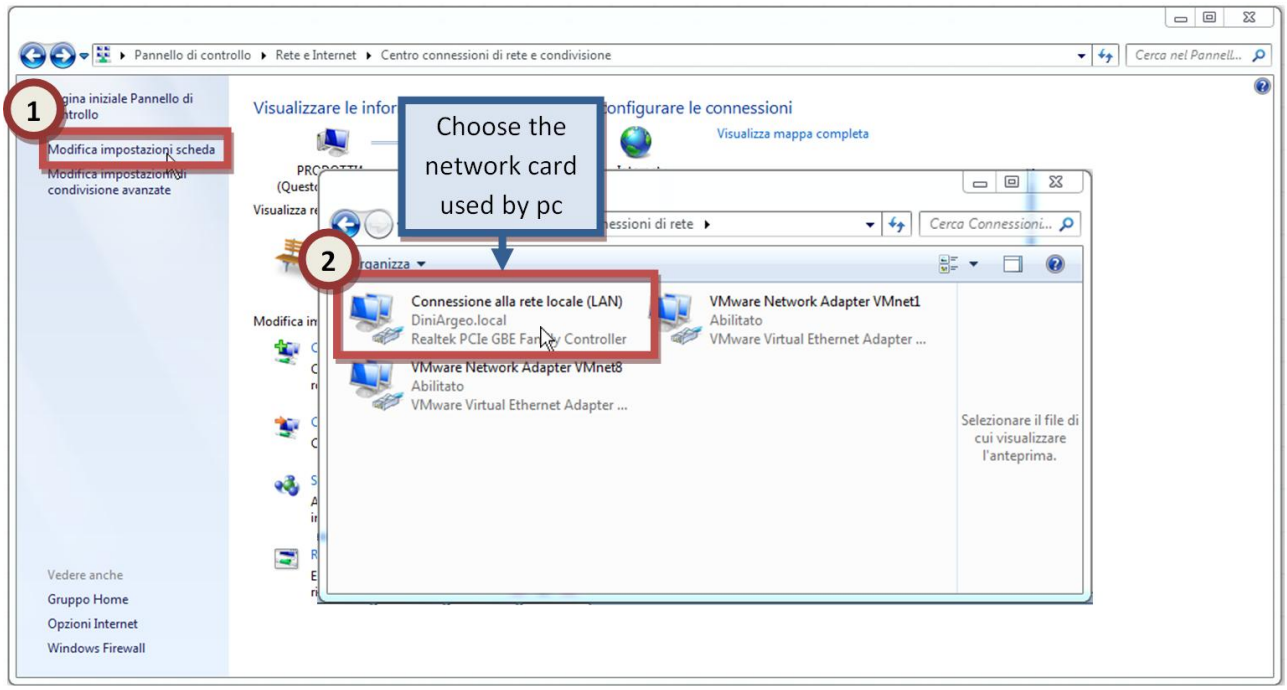
To access to the configuration page through the cable, is necessary to make a temporally modification on the LAN board of the PC.

To modify the propety of the LAN board is necessary:

a) Go to Network connection center with right click on



b) Identify the LAN board where you are connected.



In this example the board used is the "Connection to the local network (LAN)"

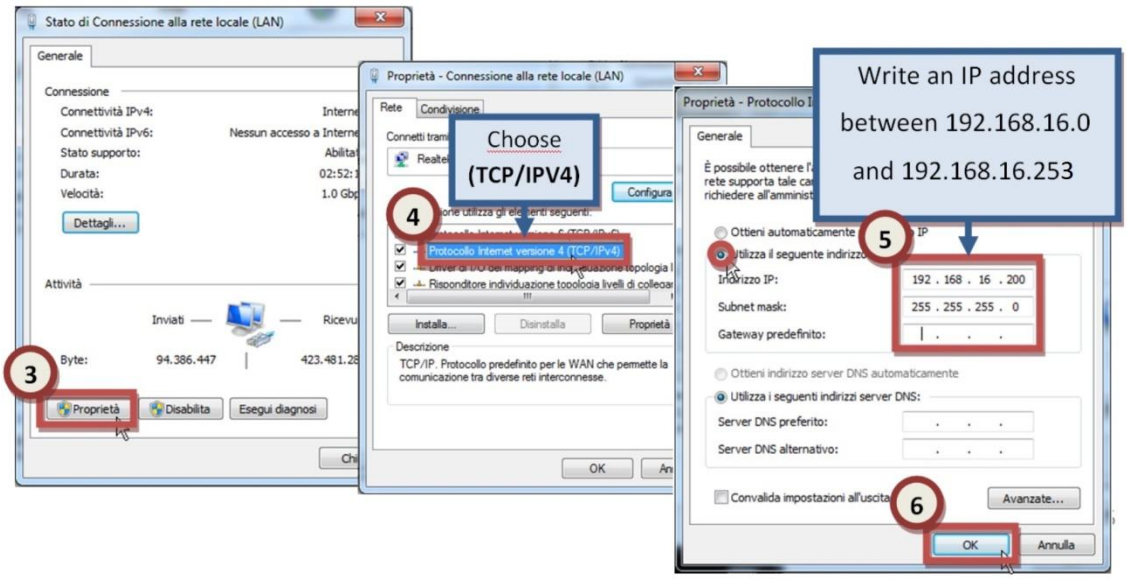
c) Right click on the name of the LAN board.

d) Go on **Property**.

e) Select Internet Protocol version 4(TCP/IPv4).

f) Insert a **IP address** between 192.168.16.1 and 192.168.16.253

g) The **Subnet mask** commonly used is 255.255.255.0 and the **Gateway** is empty.

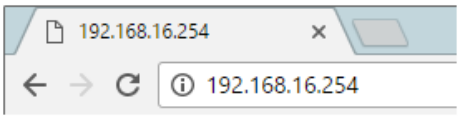


2. Access to the configuration page

To access to the configuration page, open the browser web. *(Internet Explore / Chrome)*

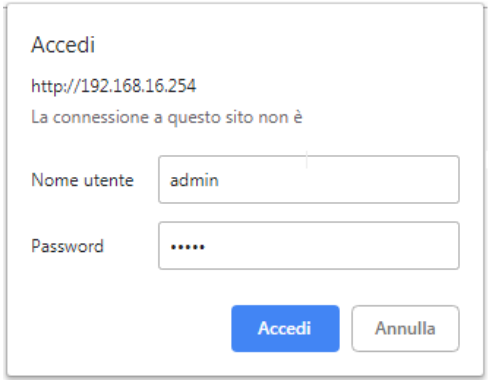
2.1 Default IP address and login credentials

The default IP address is : **192.168.16.254.**
Insert the IP address in the URL of the browser and press the ENTER button on the keyboard.



Put the login credentials in the pop up that appears after ENTER.

User name : **admin**
Password: **admin**



(example from Chrome)

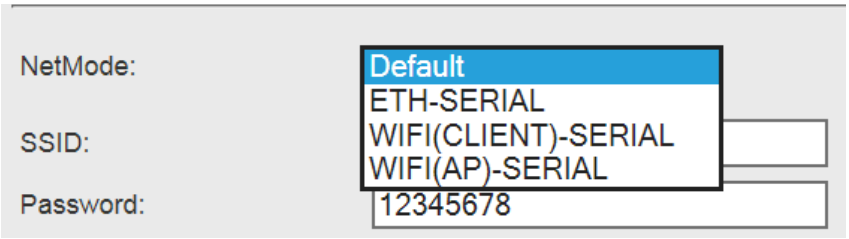
Press on LOG IN to confirm and access into the page.

3. Main configuration

The Home page of the board is the follow:

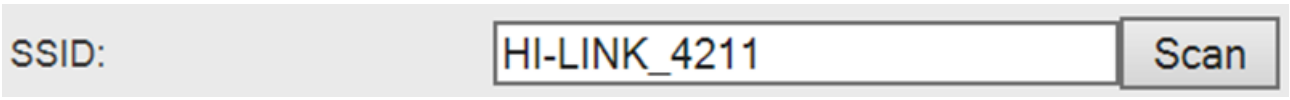
3.1 Mode of operation

Selection the mode of operation WIFI (CLIENT)-SERIAL between the list.

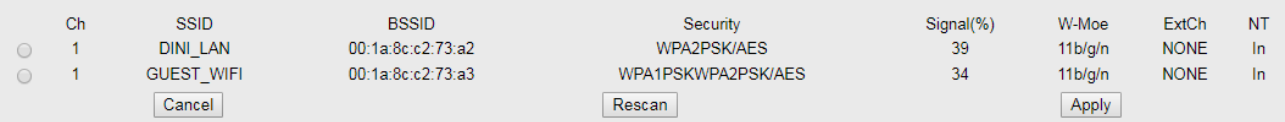


3.1.2 SSID and Password

Insert near to SSID the router's name where you want connect.



Or click on SCAN to select the WIFI network between available in the range of action an after click on APPLY to confirm. Automatically the SSID box will be compiled.



(**ATTENTION** : The name must match in the same mode is displayed in the list of the WIFI network of the PC)

3.2 IP address

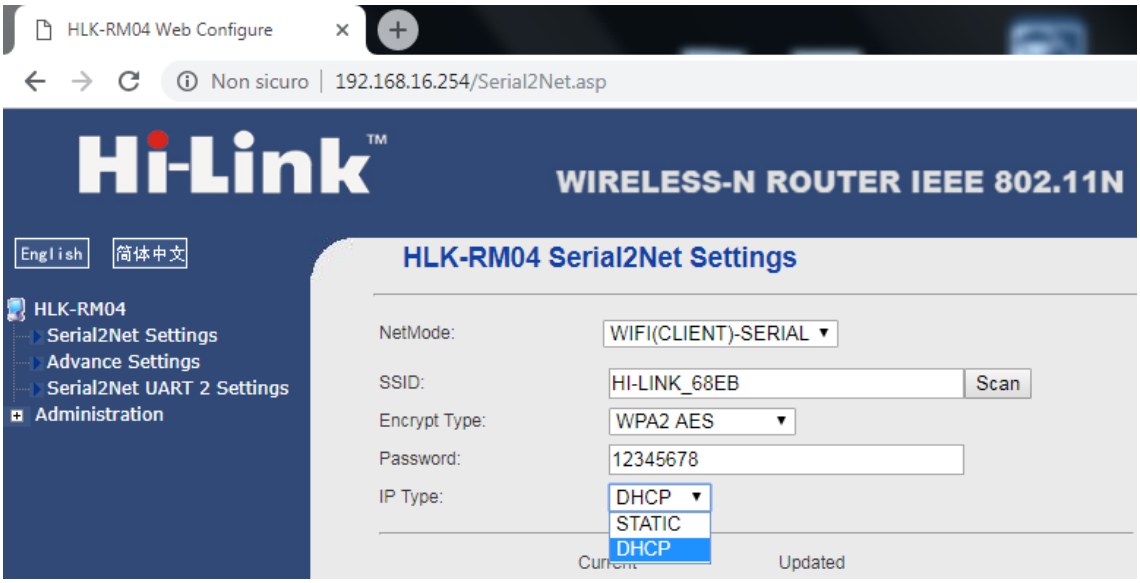
The board has 2 mode to set the IP address "IP Type":

- Dynamic IP address (DHCP)
- Static IP address (STATIC)

3.2.1 Dynamic IP

For dynamic (DHCP) means that will be the network assigns the address to the board depending on what will be free at that precise moment.

To set this mode choose DHCP between the options near to “IP Type”

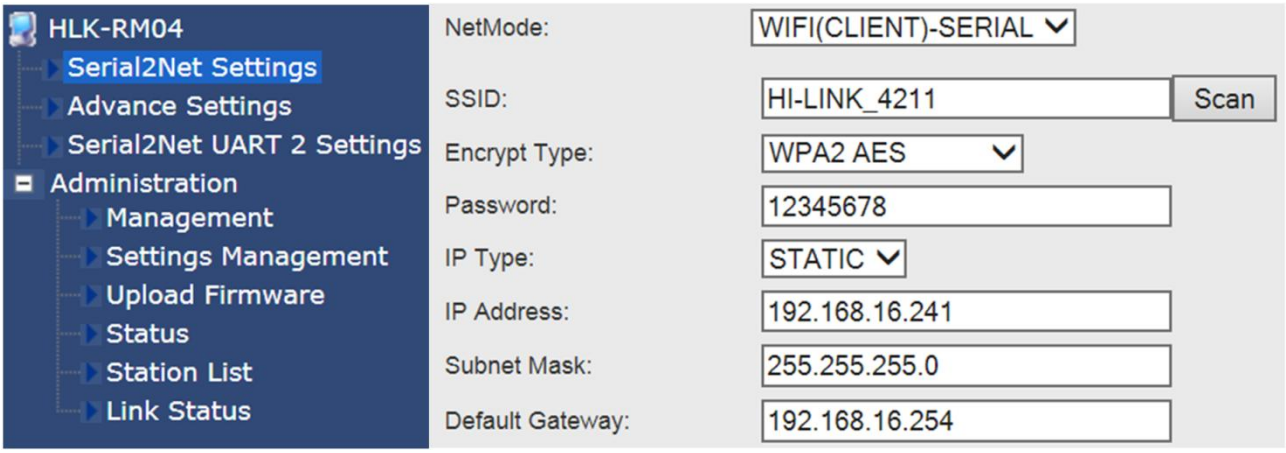


3.2.2 Static IP

For fixed (STATIC) means that you will have to assign a specific IP address at this board and that is always free in the network; that is not used by the DHCP service.

Choosing to use STATIC IP, will need to set some parameters like:

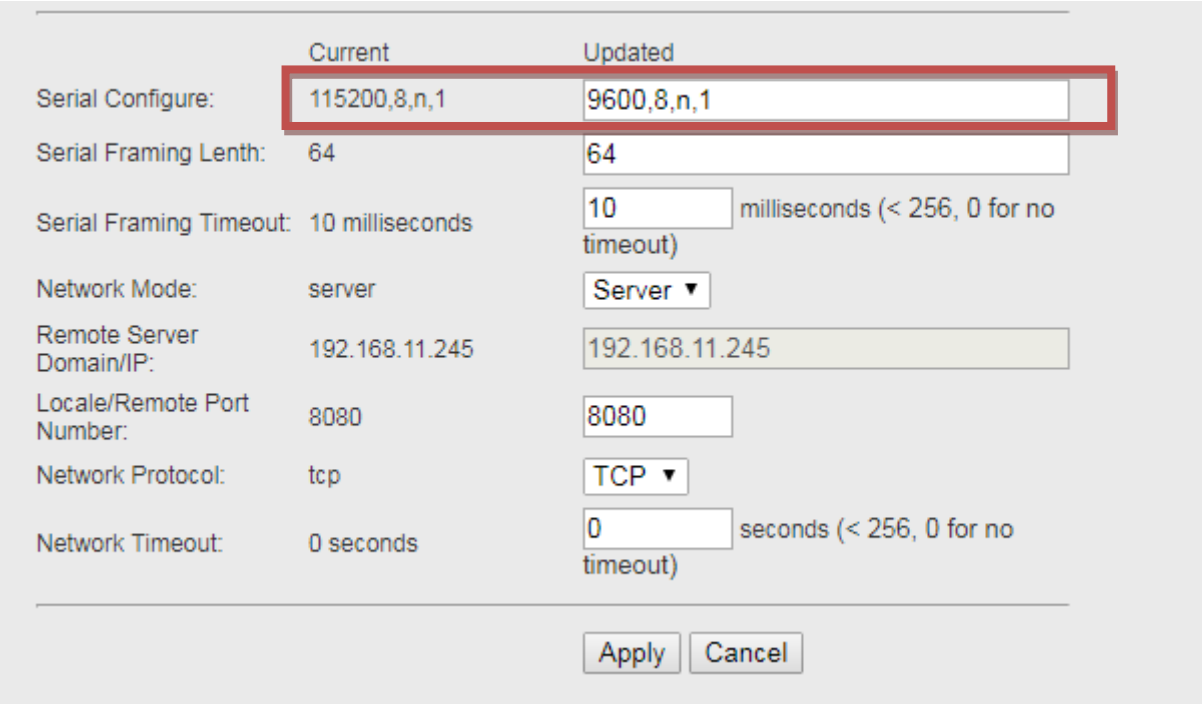
- IP address
- Subnet Mask
- Default Gateway
- Primary DNS Server (optional)
- Secondary DNS Server (optional)



To confirm the modification, click on APPLY in the bottom of the page.

3.3 Serial configuration

Set serial parameters like the indicator connected

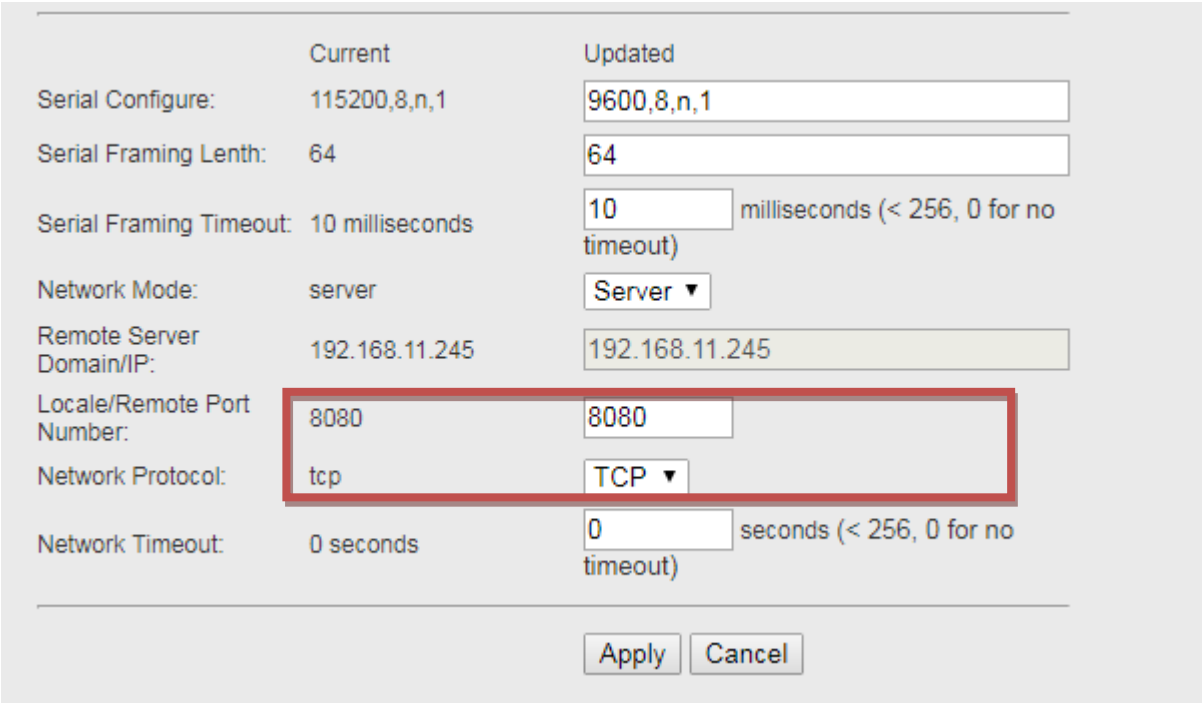


3.4 Protocol and port number

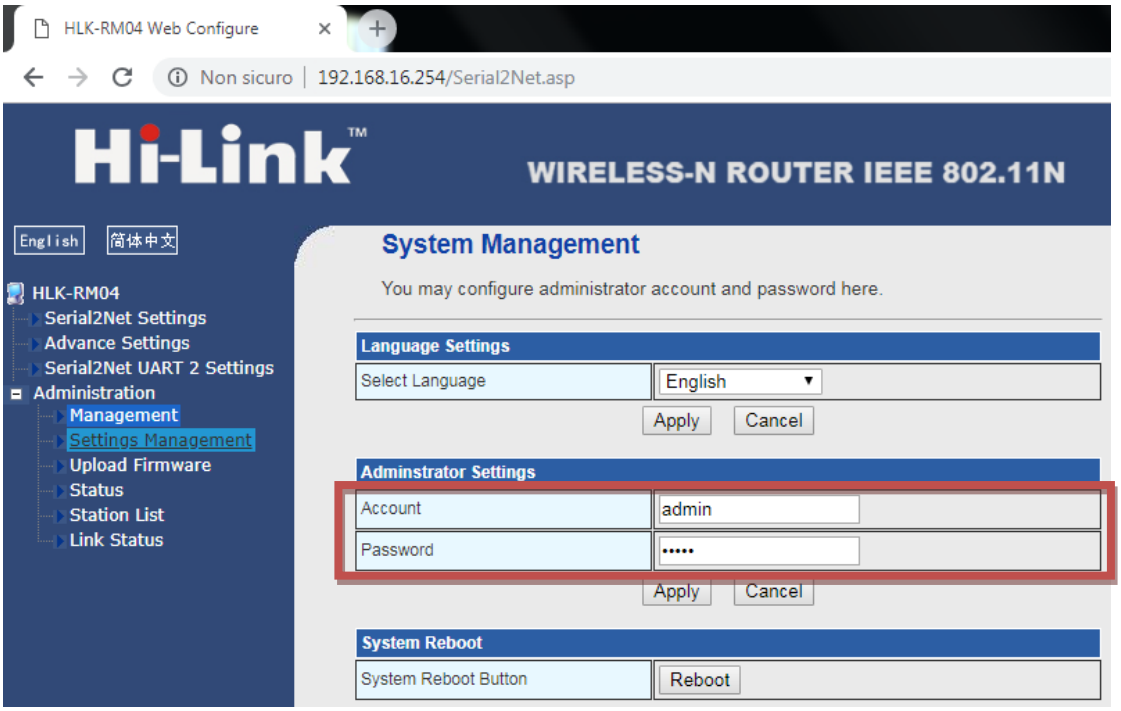
It is possible select between 2 type of protocol of communication :

- TCP
- UDP

Moreover, insert the access port number.

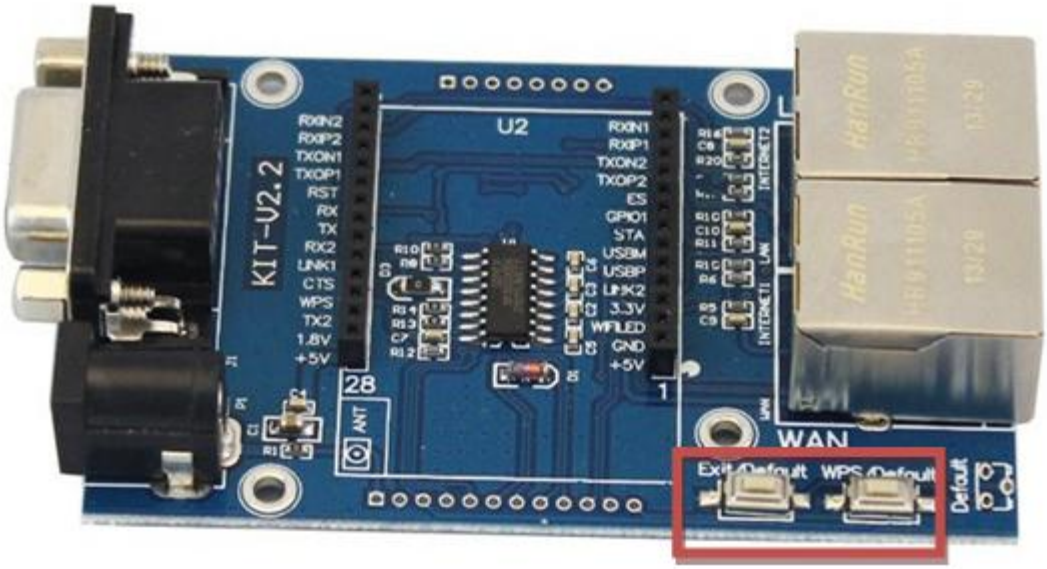


3.5 Password


HLK-RM04 Web Configure
Non sicuro | 192.168.16.254/Serial2Net.asp
Hi-Link™
WIRELESS-N ROUTER IEEE 802.11N
English
简体中文
HLK-RM04
Serial2Net Settings
Advance Settings
Serial2Net UART 2 Settings
Administration
Management
Settings Management
Upload Firmware
Status
Station List
Link Status
System Management
You may configure administrator account and password here.
Language Settings
Select Language
English
Apply
Cancel
Adminstrator Settings
Account
admin
Password
Apply
Cancel
System Reboot
System Reboot Button
Reboot

4. Factory reset

It is possible to make the default of the board.



- Press the WPS/Default button for 6 secs.
- Release for a moment, then press and hold the button until you see the three green LEDs disappear.