



align AP7633-USB NGAP WiFi USB Router User Manual

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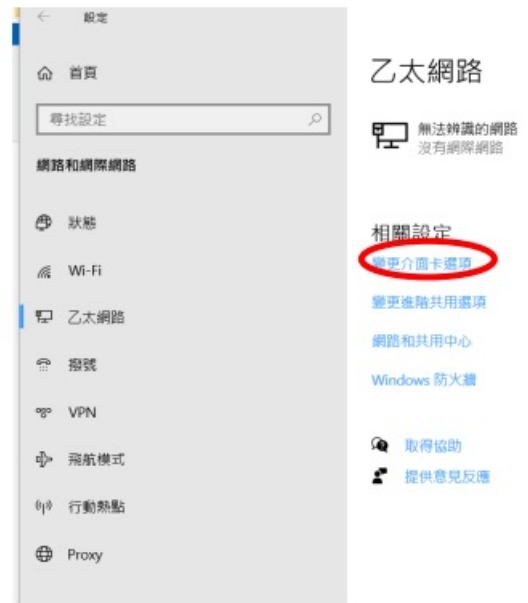
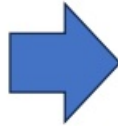
**AP7633-USB
User manual**

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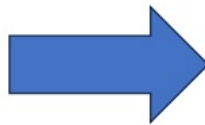
Setting for first use

- Goto internet setting
- Goto change interface card setting



Find Into “content” setting

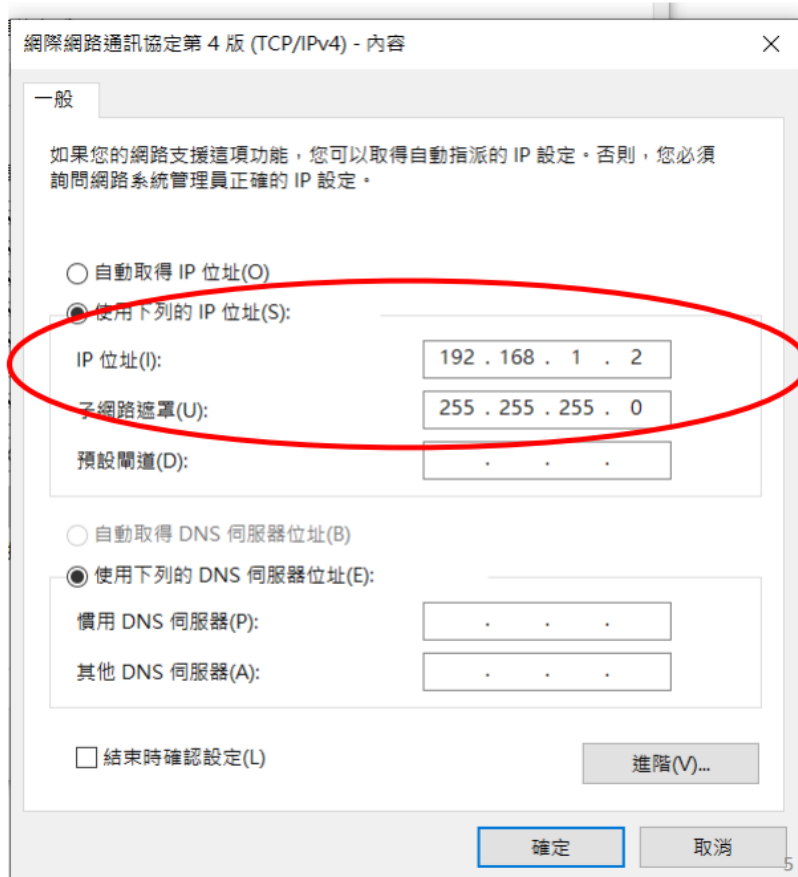
ASIX AX88179A USB 3.2 Gen1 to Gigabit Ethernet Adapter



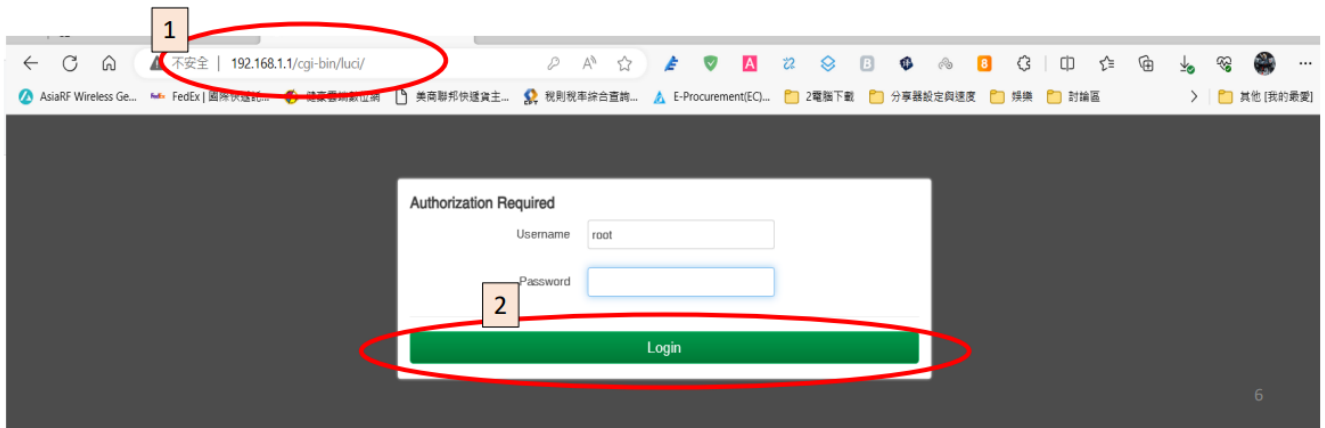
- Into TCP/IP setting



- Use static IP address 192.168.1.2~255
- Mask: 255.255.255.0



- Use internet browser and goto address "192.168.1.1" into main setting page
- For first use, just press "Login"



- Main setting page

OpenWrt Status System Network Logout REFRESHING

No password set!
There is no password set on this router. Please configure a root password to protect the web interface.

Status

System

| | |
|------------------|---|
| Hostname | OpenWrt |
| Model | AsiaRF AP7621-003 |
| Architecture | MediaTek MT7621 ver:1 eco:3 |
| Target Platform | ramips/mt7621 |
| Firmware Version | OpenWrt 22.03-SNAPSHOT r19204-dfba6e95af / LuCI openwrt-22.03 branch git-22.083.69105-af8e91c |
| Kernel Version | 5.10.108 |
| Local Time | 2022-03-30 16:06:15 |
| Uptime | 0h 17m 23s |
| Load Average | 0.22, 0.08, 0.07 |

Memory

| | |
|-----------------|------------------------------|
| Total Available | 55.96 MiB / 117.29 MiB (47%) |
| Used | 45.56 MiB / 117.29 MiB (38%) |
| Buffered | 52.00 KiB / 117.29 MiB (0%) |

- Press “network”, then “Wireless”

The screenshot shows the OpenWrt web interface. At the top, there is a navigation bar with 'OpenWrt', 'Status', 'System', 'Network', and 'Logout'. A red circle highlights the 'Network' menu, and a red circle highlights the 'Wireless' option in the dropdown menu. Below the navigation bar, there is a yellow banner with the text 'No password set!' and 'There is no password set on this router. Please configure a root password to protect the web interface.' The main content area is divided into two sections: 'Status' and 'System'. The 'Status' section shows various system information, including Hostname, Model, Architecture, Target Platform, Firmware Version, Kernel Version, Local Time, Uptime, and Load Average. The 'System' section shows the same information. A red circle highlights the 'Wireless' option in the 'Network' menu.

- Choose this item “MediaTek MT76x2E device, then press “Scan”
- If it takes a lot of time to scan, you can press “Restart” to restart AP7633USB device and scan again.

The screenshot shows the OpenWrt web interface, specifically the 'Wireless Overview' page. The top navigation bar is the same as the previous screenshot. Below the navigation bar, there is a yellow banner with the text 'No password set!' and 'There is no password set on this router. Please configure a root password to protect the web interface.' The main content area is titled 'Wireless Overview'. It shows a table with two rows of wireless network information. The first row is for 'radio0' and the second row is for 'dBm'. The 'radio0' row shows 'MediaTek MT76x2E 802.11nac', 'Channel: 36 (5.180 GHz) | Bitrate: ? Mbit/s', and buttons for 'Restart', 'Scan', and 'Add'. The 'dBm' row shows 'SSID: OpenWrt | Mode: Master', 'BSSID: 2E:9F:BE:E5:78:9E | Encryption: None', and buttons for 'Disable', 'Edit', and 'Remove'. Below the table, there is a section titled 'Associated Stations' with a table that has columns for 'Network', 'MAC address', 'Host', 'Signal / Noise', and 'RX Rate / TX Rate'. The table is currently empty, and the text 'No information available' is displayed below it. At the bottom of the page, there are buttons for 'Save & Apply', 'Save', and 'Reset'.

- Choose one available AP, then press “Join Network”

Join Network: Wireless Scan

| Signal | SSID | Channel | Mode | BSSID | Encryption | |
|---------|------|---------|--------|-------------------|---------------------------------|---------------------|
| -49 dBm | | 36 | Master | 18:31:BF:5C:0B:1C | WPA2 PSK (CCMP) | Join Network |
| -59 dBm | | 2 | Master | 18:31:BF:5C:0B:19 | mixed WPA/WPA2 PSK (CCMP) | Join Network |
| -62 dBm | | 2 | Master | 18:31:BF:5C:0B:18 | WPA2 PSK (CCMP) | Join Network |
| -68 dBm | | 8 | Master | D0:17:C2:64:EA:D0 | WPA2 PSK (CCMP) | Join Network |
| -76 dBm | | 36 | Master | 02:0C:43:36:46:D8 | None | Join Network |
| -77 dBm | | 1 | Master | 7C:A2:3E:A6:97:08 | mixed WPA/WPA2 PSK (TKIP, CCMP) | Join Network |
| -77 dBm | | 36 | Master | 02:0A:52:19:13:74 | None | Join Network |
| -78 dBm | | 1 | Master | 00:0A:52:08:B6:3C | None | Join Network |
| -80 dBm | | 1 | Master | 74:DA:38:F1:E8:20 | WPA2 PSK (CCMP) | Join Network |
| -91 dBm | | 1 | Master | 14:4D:67:0A:3D:BC | None | Join Network |

Stop refresh Dismiss

- Fill in the password for the chosen AP, then press "Submit"

Joining Network:

Replace wireless configuration ☐

Check this option to delete the existing networks from this radio.

Name of the new network:

1 The allowed characters are: A-Z, a-z, 0-9 and .

WPA passphrase: Specify the secret encryption key here.

Lock to BSSID ☐

Instead of joining any network with a matching SSID, only connect to the BSSID: 18:31:BF:5C:0B:1C.

Create / Assign firewall-zone:

Choose the firewall zone you want to assign to this interface. Select *unspecified* to remove the interface from the associated zone or fill out the *custom* field to define a new zone and attach the interface to it.

2

Cancel **Submit**

- Press "Save"

Wireless Network: Client * (radio0.network2)

Device Configuration

General Setup Advanced Settings

Status Mode: Client | SSID: AsiaRF_5G
--- dBm Wireless is not associated

Wireless network is enabled Disable

Operating frequency Mode Channel Width
AC 36 (5180 Mhz) 80 MHz

Maximum transmit power driver default - Current power: unknown

Specifies the maximum transmit power the wireless radio may use. Depending on regulatory requirements and wireless usage, the actual transmit power may be reduced by the driver.

Interface Configuration

General Setup Wireless Security Advanced Settings

Mode Client

ESSID

BSSID

Network wwan:

Choose the network(s) you want to attach to this wireless interface or fill out the custom field to define a new network.

Dismiss Save

- Press “Save & Apply”, then the chosen AP will be shown up on the bottom of this page

OpenWrt

Status System Network Logout

REFRESHING

No password set!

There is no password set on this router. Please configure a root password to protect the web interface.

Wireless Overview



MediaTek MT76x2E 802.11nac
Channel: 36 (5.180 GHz) | Bitrate: 13 Mbit/s

Restart

Scan

Add



SSID: OpenWrt | Mode: Master
BSSID: DA:81:EE:2D:FD:56 | Encryption: None

Disable

Edit

Remove



SSID: AsiaRF_5G | Mode: Client
BSSID: D8:81:EE:2D:FD:56 | Encryption: -

Disable

Edit

Remove

Associated Stations

| Network | MAC address | Host | Signal / Noise | RX Rate / TX Rate |
|-----------------|-------------------|------|----------------|--|
| 2 | | | | |
| Client * (wan0) | 18:31:BF:5C:0B:1C | ? | -50 dBm | 6.5 Mbit/s, 20 MHz, VHT-MCS 0, VHT-NSS 1 7.2 Mbit/s, 20 MHz, VHT-MCS 0, VHT-NSS 1, Short GI |

1

Save & Apply

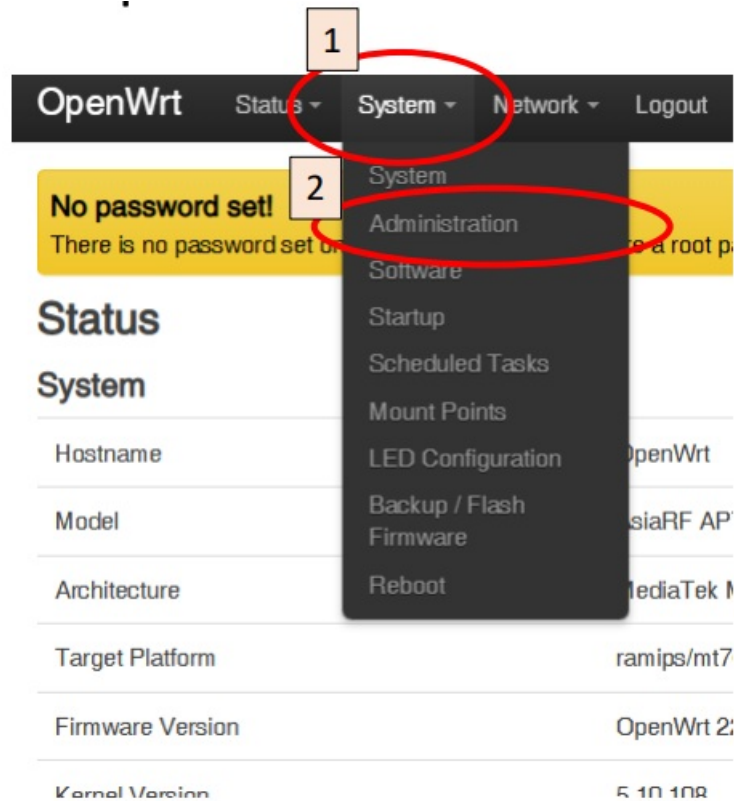
Save

Reset

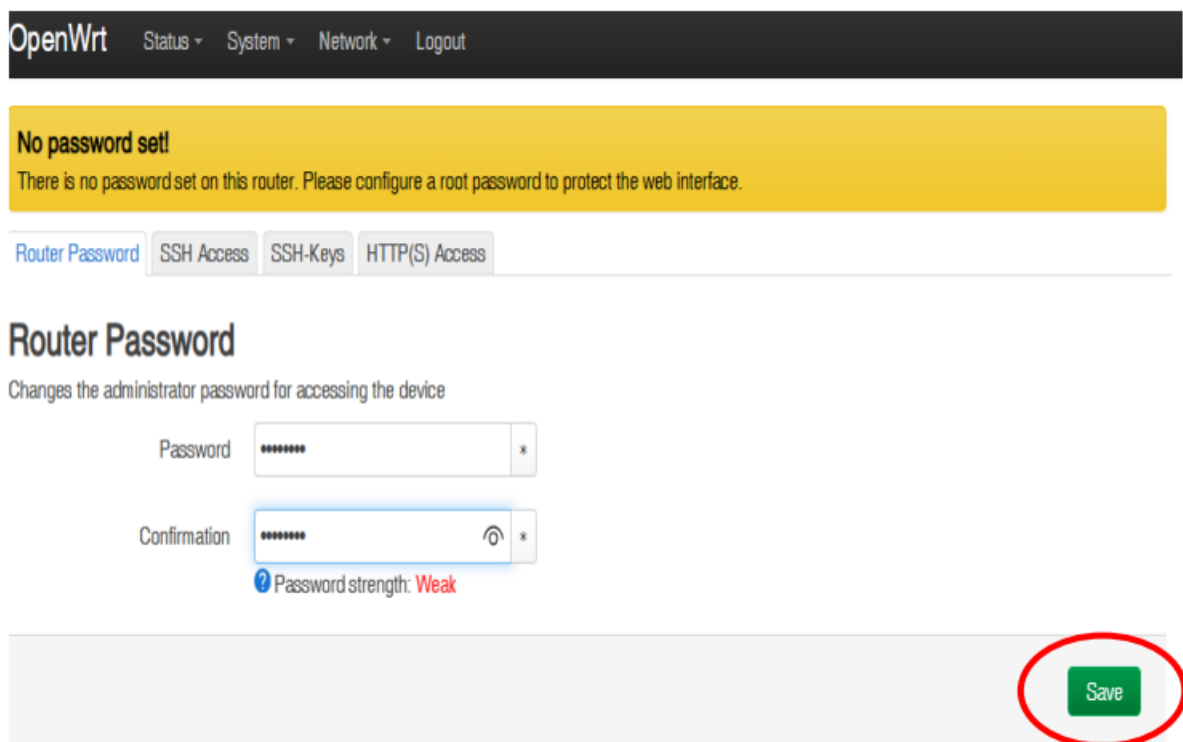
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Change user's name and password

- Into “System”, “Administration” item



- Set new password, then “Save”



- Quit and re-into “192.168.1.1” setting page, you will need fill in the new password.

Authorization Required

Username

Password

Login

Federal Communication Commission 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 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 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.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example – use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Compliance Statement:

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.
- This device must accept any interference received, including interference that may cause undesired operation.
- Product that is a radio transmitter is labeled with FCC ID.

Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard.

Operation is subject to the following two conditions:

1. this device may not cause interference, and

2. this device must accept any interference, including interference that may cause undesired operation of the device.

IC Radiation Exposure Statement:

This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0.5cm between the radiator and your body.



Documents / Resources

| | |
|---------------------------|---|
| AP7633-USB User manual | align AP7633-USB NGAP WiFi USB Router [pdf] User Manual 2ARGX-NGAP, 2ARGXNGAP, AP7633-USB NGAP WiFi USB Router, AP7633-USB, NGAP Wi Fi USB Router |
|---------------------------|---|

Manuals+