

# WDS AP跟WDS Clinet無線中繼設定

## 設備預設IP登入位置：192.168.136.1

### WDS AP

#### Outdoor5GHz

##### No password set!

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

#### Authorization Required

Please enter your username and password.

Username

Password

Login

Reset

Powered by LuCI openwrt-19.07 branch (git-20.154.47914-8bf301a) / OpenWrt 19.07.3 r11063-85e04e9f46

#### Outdoor5GHz

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 and enable SSH.

#### Status

#### System

Hostname	
Model	Outdoor 5GHz AP/Bridge
Architecture	Atheros AR9344 rev 3
Firmware Version	OpenWrt 19.07.3 r11063-85e04e9f46 / LuCI openwrt-19.07 branch git-20.154.47914-8bf301a
Kernel Version	4.14.180
Local Time	2020-06-04 06:53:09
Uptime	0h 5m 9s
Load Average	0.15, 0.17, 0.09

#### Memory

Total Available 28.83 MB / 58.24 MB (49%)

 disabled

SSID: OpenWrt | Mode: Master  
Wireless is disabled

Enable

Edit

Remove

備註：

更改IP位置，請參考第六頁操作。

更改DHCP設定，請參考第七頁操作，

把預設更改為DHCP Disabled關閉。

**No password set!**

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

**Wireless Overview**

	<b>Generic 802.11an</b> <i>Device is not active</i>	Restart	Scan	Add
	<b>SSID: OpenWrt   Mode: Master</b> <i>Wireless is disabled</i>	Enable	<b>Edit</b>	Remove

**Interface Configuration**

General Setup | Wireless Security | MAC-Filter | Advanced Settings

Mode: Access Point  
ESSID:   
Network:   
3 **Access Point (WDS)**

Hide ESSID   
WMM Mode

Dismiss Save

**Interface Configuration**

General Setup | Wireless Security | MAC-Filter | Advanced Settings

Mode: Access Point (WDS) 4  
ESSID: OpenWrt key in SSID  
Network: lan:   
Choose the network(s) you want to attach to this wireless interface or fill out the custom field to define a new network.

Hide ESSID   
WMM Mode

Dismiss **Save** 5

## Interface Configuration **Choose Wireless Security Encryption**

General Setup **Wireless Security** MAC-Filter Advanced Settings

**5** Encryption **No Encryption (open network)** ▼

- WPA2-PSK (strong security)
- WPA-PSK/WPA2-PSK Mixed Mode (medium security)
- WPA-PSK (medium security)**
- WEP Open System (weak security)
- WEP Shared Key (weak security)

## Interface Configuration

General Setup **Wireless Security** MAC-Filter Advanced Settings

Encryption **WPA2-PSK (strong security)** ▼

Cipher **Force CCMP (AES)** ▼

Key **\*\*\*\*\*** \*

## Interface Configuration

General Setup **Wireless Security** MAC-Filter Advanced Settings

Encryption **WPA2-PSK (strong security)** ▼

Cipher **Force CCMP (AES)** ▼

Key **\*\*\*\*\*** \*

802.11r Fast Transition   
ⓘ Enables fast roaming among access points that belong to the same Mobility Domain

802.11w Management Frame Protection **Disabled** ▼  
ⓘ Requires the 'full' version of wpa2/hostapd and support from the wifi driver (as of Jan 2019: ath9k, ath10k, mwlwifi and mt76)

Enable key reinstallation (KRACK) countermeasures   
ⓘ Complicates key reinstallation attacks on the client side by disabling retransmission of EAPOL-Key frames that are used to install keys. This workaround might cause interoperability issues and reduced robustness of key negotiation especially in environments with heavy traffic load.

**6**

Dismiss **Save**

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

### Wireless Overview

radio0	<b>Generic 802.11an</b> <i>Device is not active</i>	Restart	Scan	Add
disabled	<b>SSID: OpenWrt   Mode: Master</b> Interface has 3 pending changes	Enable	Edit	Remove

### Associated Stations

Network	MAC-Address	Host	Signal / Noise	RX Rate / TX Rate
No information available				

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Save & Apply Save Reset

## WDS Client

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

### Status

### System

Hostname	
Model	Outdoor 5GHz AP/Bridge
Architecture	Atheros AR9344 rev 3
Firmware Version	OpenWrt 19.07.3 r11063-85e04e9f46 / LuCI openwrt-19.07 branch git-20.154.47914-8bf301a
Kernel Version	4.14.180
Local Time	2020-06-04 06:50:56

- Interfaces
- Wireless
- DHCP and DNS
- Hostnames
- Static Routes
- Firewall
- Diagnostics

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

Interfaces Global network options

### Interfaces

<b>LAN</b> br-lan	Protocol: Static address Uptime: 0h 1m 58s MAC: 00:C0:CA:A4:85:87 RX: 132.66 KB (782 Pkts.) TX: 207.57 KB (614 Pkts.) IPv4: 192.168.136.1/24 IPv6: fdbe:2eaa:36c8::1/60	Restart Stop <b>Edit</b> Delete
<b>WAN</b> eth1	Protocol: DHCP client MAC: 00:C0:CA:A4:85:86 RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.)	Restart Stop Edit Delete
<b>WAN6</b> eth1	Protocol: DHCPv6 client MAC: 00:C0:CA:A4:85:86 RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.)	Restart Stop Edit Delete

Change IP address to 192.168.136.2 for WDS Client

## Interfaces » LAN


General Settings

Advanced Settings

Physical Settings

Firewall Settings

DHCP Server

Status  Device: br-lan  
Uptime: 0h 2m 38s  
MAC: 00:C0:CA:A4:85:87  
RX: 153.17 KB (971 Pkts.)  
TX: 294.72 KB (837 Pkts.)  
IPv4: 192.168.136.1/24  
IPv6: fdbe:2eaa:36c8::1/60

Protocol Static address

Bring up on boot

**3 change IP address**

IPv4 address 192.168.136.2

IPv4 netmask 255.255.255.0

IPv4 gateway

IPv4 broadcast 192.168.136.255

Use custom DNS servers

Bring up on boot

IPv4 address 192.168.136.2

IPv4 netmask 255.255.255.0

IPv4 gateway

IPv4 broadcast 192.168.136.255

Use custom DNS servers

IPv6 assignment length 60

Assign a part of given length of every public IPv6-prefix to this interface

IPv6 assignment hint 0

Assign prefix parts using this hexadecimal subprefix ID for this interface.

IPv6 suffix ::1

Optional. Allowed values: 'eui64', 'random', fixed value like '::1' or '::1:2'. When IPv6 prefix (like 'a:b:c:d::') is received from a delegating server, use the suffix (like '::1') to form the IPv6 address ('a:b:c:d::1') for the interface.

Dismiss

Save

### No password set!

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

Interfaces Global network options

### Interfaces

<b>LAN</b> br-lan	Protocol: Static address Interface has 6 pending changes	Restart Stop Edit Delete
<b>WAN</b> eth1	Protocol: DHCP client MAC: 00:C0:CA:A4:85:86 RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.)	Restart Stop Edit Delete
<b>WAN6</b> eth1	Protocol: DHCPv6 client MAC: 00:C0:CA:A4:85:86 RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.)	Restart Stop Edit Delete

Add new interface...

Save & Apply Save Reset

Save & Apply

Apply unchecked

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## Disable DHCP

Outdoor5GHz 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 and enable SSH.

### Status

### System

Hostname	
Model	Outdoor 5GHz AP/Bridge
Architecture	Atheros AR9344 rev 3
Firmware Version	OpenWrt 19.07.3 r11063-85e04e9f46 / LuCI openwrt-19.07 branch git-20.154.47914-8bf301a
Kernel Version	4.14.180
Local Time	2020-06-04 06:57:21
Uptime	0h 8m 6s
Load Average	0.15, 0.09, 0.05

Interfaces

Wireless

DHCP and DNS

Hostnames

Static Routes

Firewall

Diagnostics

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### No password set!

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

Interfaces Global network options

### Interfaces

<b>LAN</b> br-lan	Protocol: Static address Uptime: 0h 1m 41s MAC: 00:C0:CA:A4:85:87 RX: 201.00 KB (1225 Pkts.) TX: 726.78 KB (1289 Pkts.) IPv4: 192.168.136.2/24 IPv6: fdbe:2eaa:36c8::1/60	Restart Stop Edit Delete
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## Interfaces » LAN

General Settings | Advanced Settings | Physical Settings | Firewall Settings | **DHCP Server**

General Setup | Advanced Settings | IPv6 Settings

Ignore interface  **8**

Disable DHCP for this interface.

Start:   
 Lowest leased address as offset from the network address.

Limit:   
 Maximum number of leased addresses.

Lease time:   
 Expiry time of leased addresses, minimum is 2 minutes (2m).

Dismiss Save

## Interfaces » LAN

General Settings | Advanced Settings | Physical Settings | Firewall Settings | DHCP Server

General Setup | IPv6 Settings

Ignore interface  **9**

Disable DHCP for this interface.

Dismiss **Save**

Add new interface...

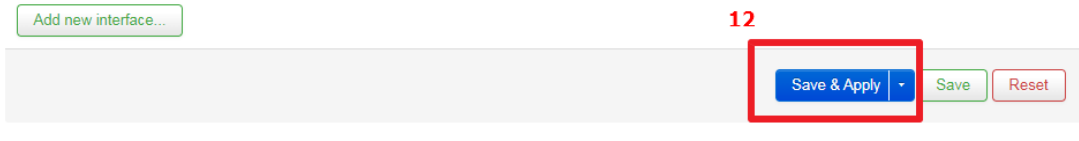
**10**

Save & Apply Save Reset

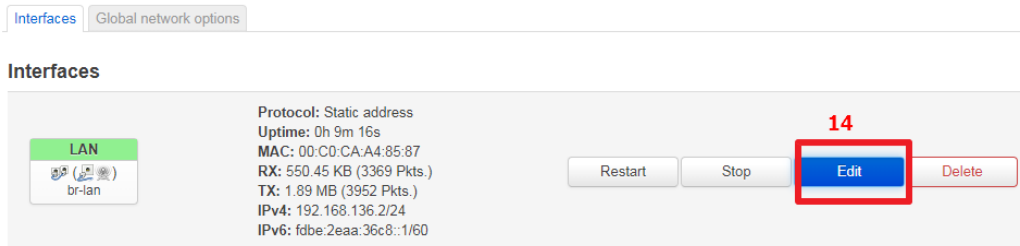
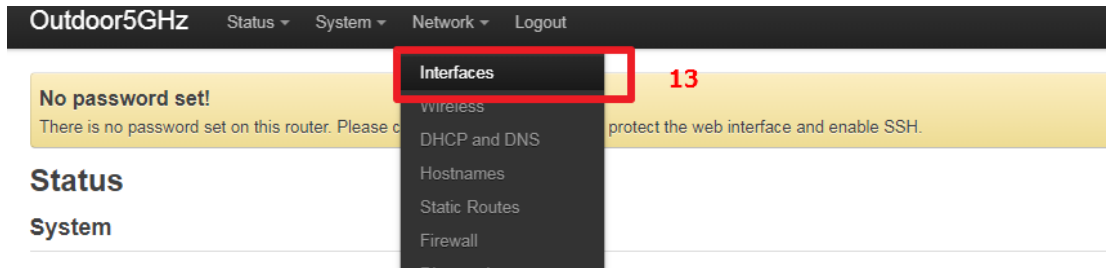
## Delete WAN and WAN6

<b>WAN</b> eth1	Protocol: DHCP client MAC: 00:C0:CA:A4:85:86 RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.)	Restart Stop <b>Edit</b> <b>Delete</b>
<b>WAN6</b> eth1	Protocol: DHCPv6 client MAC: 00:C0:CA:A4:85:86 RX: 0 B (0 Pkts.) TX: 0 B (0 Pkts.)	Restart Stop <b>Edit</b> <b>Delete</b>

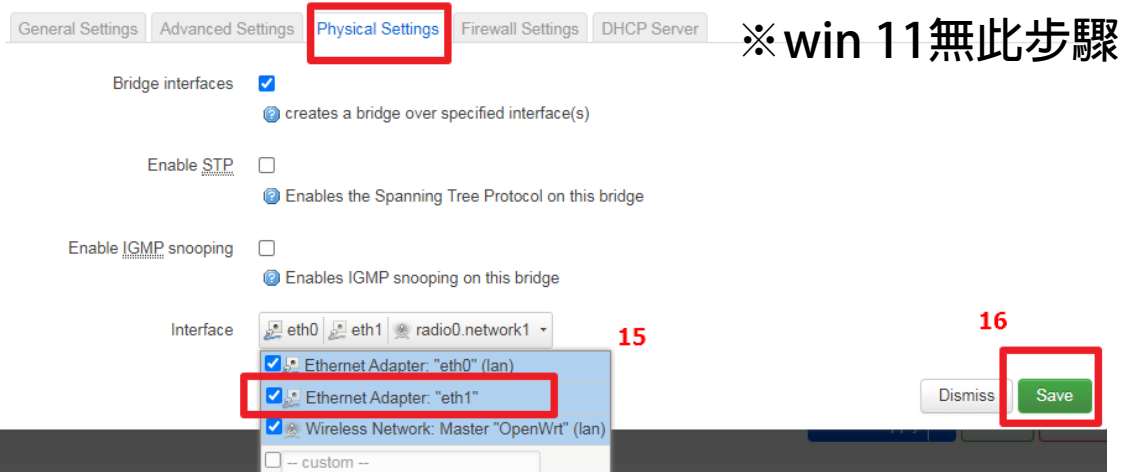
※win 11無此步驟



Set All Ethernet port are LAN port



Interfaces » LAN



Interfaces Global network options

### Interfaces

LAN
Protocol: Static address  
Interface has 1 pending changes

Restart Stop Edit Delete

Add new interface...

Save & Apply Save Reset

## Set up Wireless LAN WDS Client

Outdoor5GHz 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 and enable SSH.

Interfaces Global network options

LAN
Protocol: Static address  
Uptime: 0h 13m 4s  
MAC: 00:C0:CA:A4:85:87  
RX: 690.12 KB (4263 Pkts.)  
TX: 2.39 MB (5088 Pkts.)  
IPv4: 192.168.136.2/24  
IPv6: fdbe:2eaa:36c8::1/60

Restart Stop Edit Delete

- Interfaces
- Wireless 18
- DHCP and DNS
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### Wireless Overview

radio0	<b>Generic 802.11an</b> <i>Device is not active</i>	19	Restart	<span style="background-color: #007bff; color: white; padding: 2px 5px;">Scan</span>	<span>Add</span>
disabled	<b>SSID: OpenWrt   Mode: Master</b> <i>Wireless is disabled</i>		<span style="border: 2px solid red; padding: 2px 5px;">Enable</span>	<span>Edit</span>	<span>Remove</span>

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

### Wireless Overview

radio0	<b>Generic 802.11an</b> Channel: 36 (5.180 GHz)   Bitrate: ? Mbit/s	Restart	<span style="background-color: #007bff; color: white; padding: 2px 5px;">Scan</span>	<span>Add</span>
---/-95 dBm	<b>SSID: OpenWrt   Mode: Master</b> BSSID: 00:C0:CA:A4:85:88   Encryption: None	<span>Disable</span>	<span style="border: 2px solid red; padding: 2px 5px; font-weight: bold;">Edit</span>	<span>Remove</span>

## Interface Configuration

General Setup | **Wireless Security** | MAC-Filter | Advanced Settings

Mode: Access Point

ESSID: [Empty]

Network: [Empty]

21 Client (WDS)

Hide ESSID:

WMM Mode:

Dismiss Save

## Interface Configuration

General Setup | **Wireless Security** | Advanced Settings

Mode: Client (WDS) 22

ESSID: OpenWrt key in SSID of the WDS AP

BSSID: [Empty]

Network: lan: [Empty]

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

## Interface Configuration

General Setup | **Wireless Security** | Advanced Settings

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Encryption: WPA2-PSK (strong security)

Cipher: Force CCMP (AES)

Key: 12345678

802.11w Management Frame Protection: Disabled

Requires the 'full' version of wpa2/hostapd and support from the wifi driver (as of Jan 2019: ath9k, ath10k, mwlwifi and mt76)

Dismiss Save

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

**Wireless Overview**

radio0 **Generic 802.11an** Channel: 36 (5.180 GHz) | Bitrate: 144.4 Mbit/s [Restart] [Scan] [Add]

-40/-95 dBm **SSID: OpenWrt | Mode: Client** BSSID: 00:C0:CA:A4:85:88 | Encryption: WPA2 PSK (CCMP) [Disable] [Edit] [Remove]

**Associated Stations**

Network	MAC-Address	Host	Signal / Noise	RX Rate / TX Rate
Client "OpenWrt" (wlan0)	00:C0:CA:A4:85:84	?	-40/-95 dBm	104.0 Mbit/s, 20 MHz, MCS 13 144.4 Mbit/s, 20 MHz, MCS 15, Short GI

[Save & Apply] [Save] [Reset]

**WDS Client (192.168.136.2) ping WDS AP(192.168.136.1)**

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

**Network Utilities**

192.168.136.1 openwrt.org openwrt.org

[IPv4 Ping] [IPv4 Traceroute] [Nslookup]

```
PING 192.168.136.1 (192.168.136.1): 56 data bytes
64 bytes from 192.168.136.1: seq=0 ttl=64 time=2.904 ms
64 bytes from 192.168.136.1: seq=1 ttl=64 time=1.563 ms
64 bytes from 192.168.136.1: seq=2 ttl=64 time=1.561 ms
64 bytes from 192.168.136.1: seq=3 ttl=64 time=1.544 ms
64 bytes from 192.168.136.1: seq=4 ttl=64 time=1.539 ms

--- 192.168.136.1 ping statistics ---
5 packets transmitted, 5 packets received, 0% packet loss
round-trip min/avg/max = 1.539/1.822/2.904 ms
```