

# 3/22日5G路由器設備教育訓練

DLink DWM-3010 5G路由器設備

## 對象

瑞穗國中	鳳林國小	富世國小
鑄強國小	明廉國小	中正國小
平和國小	壽豐國中	北埔國小

# DLink DWM-3010 5G路由器設備開箱

D-Link



DLink DWM-3010 5G路由器



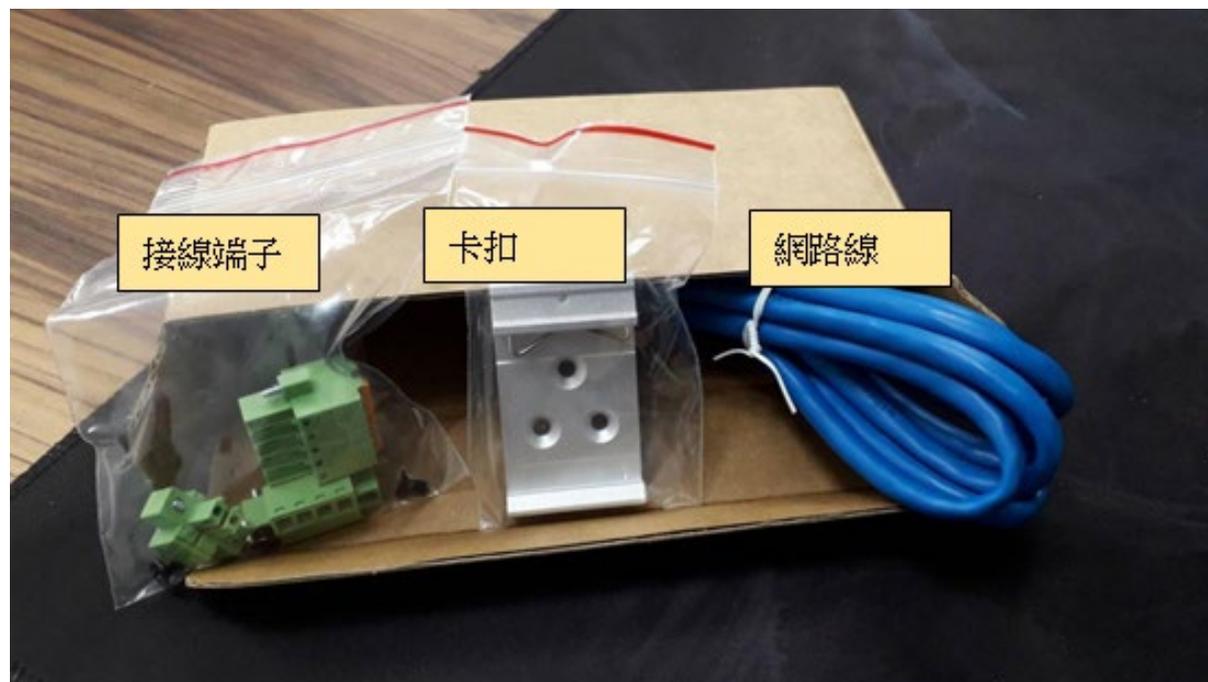
內附配件

# DLink DWM-3010 5G路由器設備開箱

D-Link

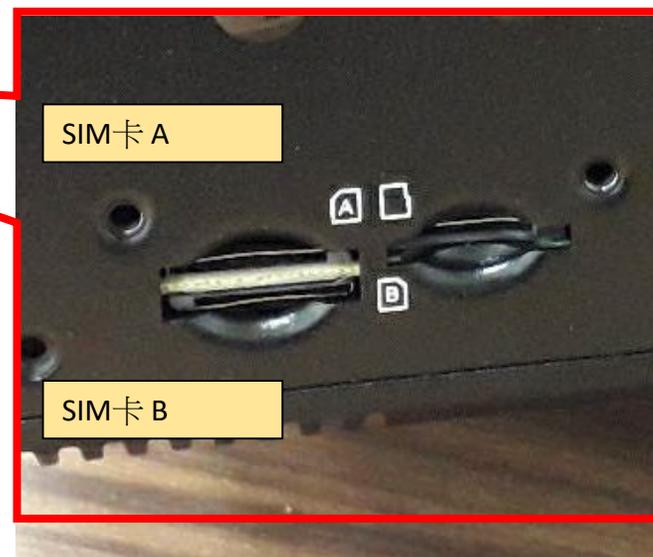


天線有2種形式



內附配件

# DLink DWM-3010 5G路由器設備安裝



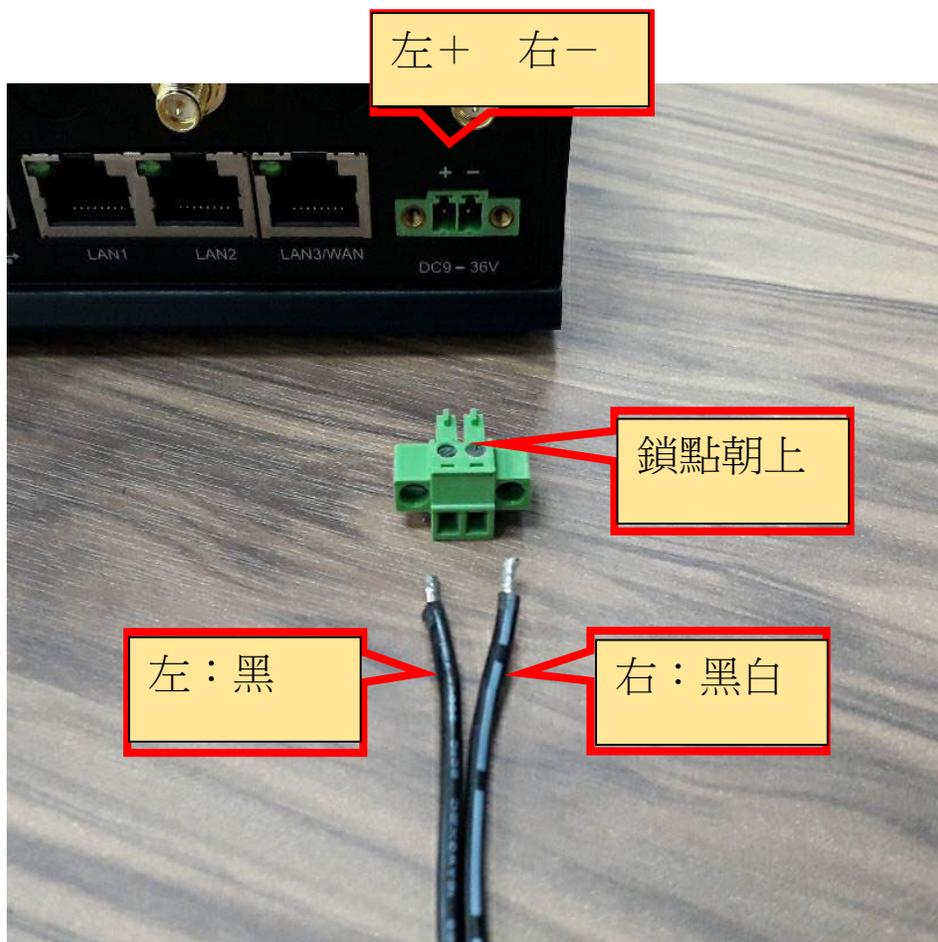
Sim卡安裝

# DLink DWM-3010 5G路由器設備安裝



取出變壓器及 2pin 接線端子

# DLink DWM-3010 5G路由器設備安裝



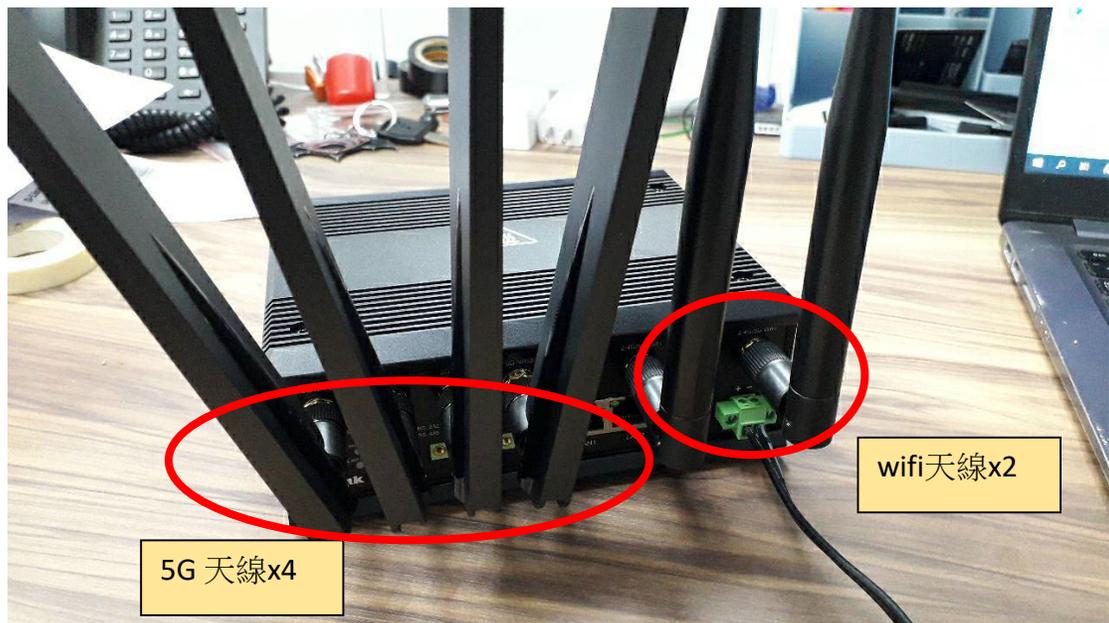
接線方式



完成圖



# DLink DWM-3010 5G路由器設備安裝



裝上天線

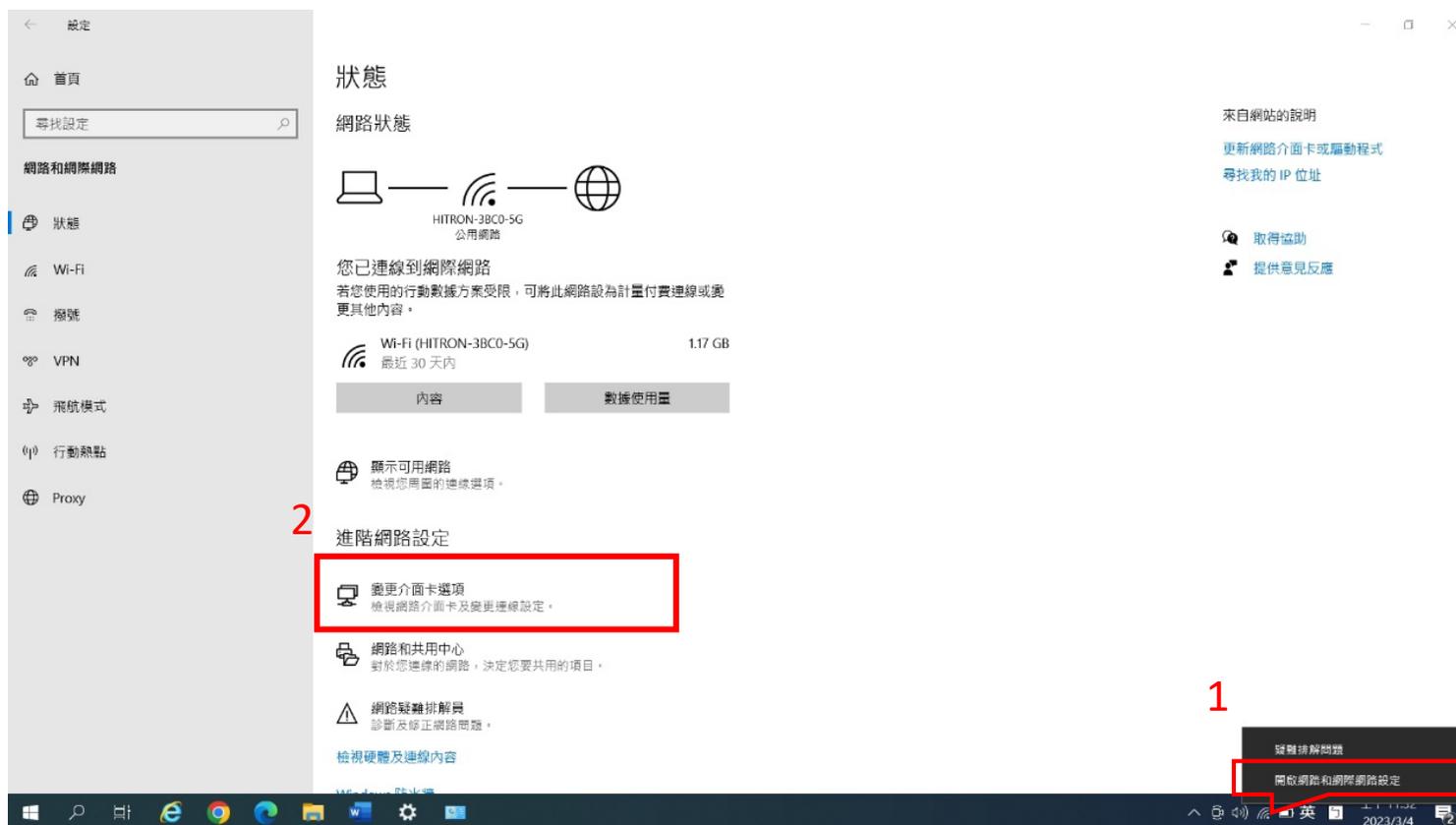


接上電源及網路線

# DLink DWM-3010 5G路由器設定步驟



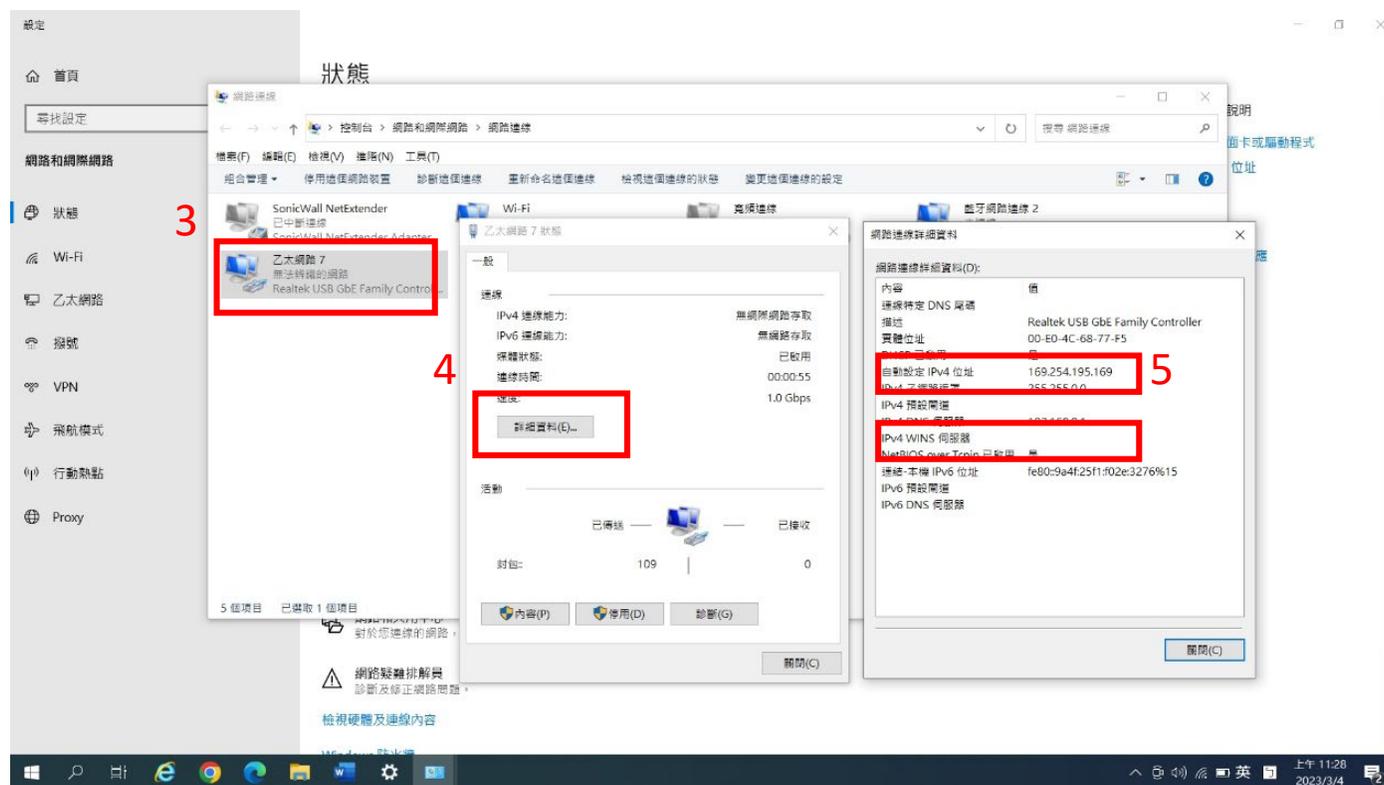
- 1 在網路圖示(右鍵) → 開啟網際網路設定
- 2 變更介面卡選項 (左鍵)



# DLink DWM-3010 5G路由器設定步驟



- 3 乙太網路 → 點擊滑鼠左鍵兩下
- 4 詳細資料
- 5 確認IPv4 顯示 192.168.0.XXX  
IPv4閘道 顯示 192.168.0.1



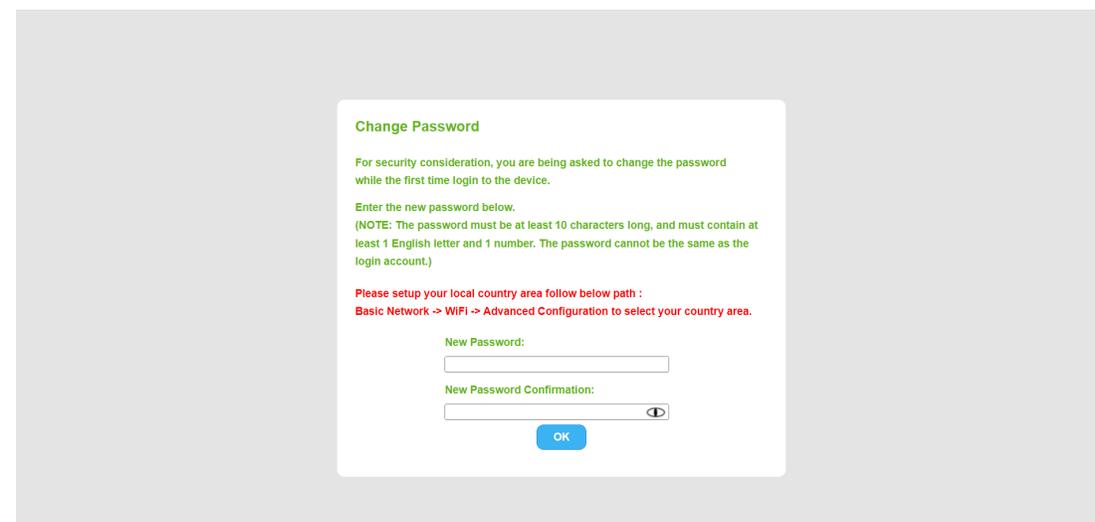
# DLink DWM-3010 5G路由器設定步驟



開啟瀏覽器 192.168.0.1  
預設帳號密碼 admin / admin



首次登入須修改密碼：10碼、英數



# DLink DWM-3010 5G路由器設定步驟



選 Basic Network → Wan-1 → Edit

Language : English  
Logout

WAN & Uplink LAN & VLAN WiFi DDNS Widget

ID	Interface	WAN Type	Network Type	IP Addr.	Subnet Mask	Gateway	DNS	MAC Address	Conn. Status	Action
WAN-1	Cellular	Cellular	NAT	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0, 0.0.0.0	N/A	Disconnected	Edit
WAN-2		Disable								Edit

WAN Interface IPv6 Network Status

ID	Interface	WAN Type	Link-Id
WAN-1		Disable	

LAN Interface Network Status

IPv4 Address	IPv4 Subnet Mask
192.168.0.1	255.255.255.0

Basic Network Security Administration Statistics & Reports

Language : English  
Logout

Physical Interface Connection Setup Load Balance Widget

Interface Name	Physical Interface	Operation Mode	WAN Type	Action
WAN-1	Cellular	Always on	Cellular	Edit
WAN-2	-	Disable	-	Edit

Internet Connection List

Basic Network Security Administration Statistics & Reports

# DLink DWM-3010 5G路由器設定步驟



畫面下拉 PIN Code 輸入 四個零 0000 (範例為中華電信門號)

- 中華電信：0000
- 台灣大哥大：1234
- 遠傳電信：8888
- 台灣之星：0000.
- 亞太電信：1234.

Item	Setting
Preferred SIM Card	SIM-A First <input type="checkbox"/> Failback : <input type="checkbox"/> Enable
Auto Flight Mode	<input type="checkbox"/> Enable
SIM Switch Policy	Policy Setting
<b>Connection with SIM-A Card</b>	
Network Type	Auto
Dial-Up Profile	Manual-configuration
APN	
IP Type	IPv4
PIN Code	0000 (Optional)
Dial Number	(Optional)
Account	(Optional)
Password	<input type="password"/> (Optional)
Authentication	Auto
IP Mode	Dynamic IP
Primary DNS	(Optional)
Secondary DNS	(Optional)
Roaming	<input type="checkbox"/> Enable
<b>Connection with SIM-B Card</b>	

資料為網路查詢，若有錯誤可與電信商確認

# DLink DWM-3010 5G路由器設定步驟



畫面下拉 Save

Item	Setting
▶ Connection Control	Auto-reconnect ▾
▶ Time Schedule	(0) Always ▾
▶ MTU Setup	<input type="checkbox"/> Enable
▶ IP Passthrough (Cellular Bridge)	<input type="checkbox"/> Enable Fixed MAC : <input type="text"/>
▶ NAT	<input checked="" type="checkbox"/> Enable
▶ IGMP	Disable ▾
▶ WAN IP Alias	<input type="checkbox"/> Enable <input type="text" value="10.0.0.1"/>

Network Monitoring Configuration	
Item	Setting
▶ Network Monitoring Configuration	<input checked="" type="checkbox"/> Enable
▶ Checking Method	DNS Query ▾
▶ Loading Check	<input checked="" type="checkbox"/> Enable
▶ Query Interval	<input type="text" value="5"/> (seconds)
▶ Latency Threshold	<input type="text" value="3000"/> (ms)
▶ Fail Threshold	<input type="text" value="5"/> (Times)
▶ Target1	DNS1 ▾
▶ Target2	None ▾

# DLink DWM-3010 5G路由器設定步驟



回到Basic Network畫面  
依現場訊號狀況，等待約莫30-60秒

The screenshot shows the D-Link DWM-3010 web interface. The browser address bar shows 192.168.0.1. The interface is in English. The left sidebar contains navigation options: Status, Dashboard, Basic Network (selected), Security, Administration, Statistics & Reports, Basic Network, and Object Definition. The main content area is titled 'WAN & Uplink' and contains two tables.

**WAN Interface IPv4 Network Status**

ID	Interface	WAN Type	Network Type	IP Addr.	Subnet Mask	Gateway	DNS	MAC Address	Conn. Status	Action
WAN-1	Cellular	Cellular	NAT	0.0.0.0	0.0.0.0	0.0.0.0	0.0.0.0, 0.0.0.0	N/A	Connecting...	Edit
WAN-2		Disable								Edit

**WAN Interface IPv6 Network Status**

ID	Interface	WAN Type	Link-local IP Address	Global IP Address	Conn. Status	Action
WAN-1		Disable				Edit



# DLink DWM-3010 5G路由器設定步驟



會顯示 IP 相關資料 (記得刷新網頁)  
此時已能對外連網，可開啟網頁測試

The screenshot displays the DLink DWM-3010 web interface. The 'WAN & Uplink' tab is selected, showing the 'WAN Interface IPv4 Network Status' table. A red box highlights the table content. Below the table, a Windows command prompt window is open, showing the execution of a ping command to 8.8.8.8 and the resulting statistics.

ID	Interface	WAN Type	Network Type	IP Addr.	Subnet Mask	Gateway	DNS	MAC Address	Conn. Status	Action
WAN-1	Cellular	Cellular	NAT	111.81.221.196	255.255.255.248	111.81.221.197	168.95.1.1, 168.95.192.1	N/A	Connected 0 day 0.01.15	Edit

```
Microsoft Windows [版本 10.0.19045.2604]
(c) Microsoft Corporation. 著作權所有，並保留一切權利。
C:\Users\Administrator>ping 8.8.8.8

Ping 8.8.8.8 (使用 32 位元組的資料):
回覆自 8.8.8.8: 位元組=32 時間=54ms TTL=109
回覆自 8.8.8.8: 位元組=32 時間=52ms TTL=109
回覆自 8.8.8.8: 位元組=32 時間=59ms TTL=109
回覆自 8.8.8.8: 位元組=32 時間=34ms TTL=109

8.8.8.8 的 Ping 統計資料:
    封包: 已傳送 = 4, 已收到 = 4, 已遺失 = 0 (0% 遺失),
    大約的來回時間 (毫秒):
        最小值 = 34ms, 最大值 = 59ms, 平均 = 49ms
C:\Users\Administrator>
```

# DLink DWM-3010 5G路由器設定步驟



時區 選Taipei

The screenshot shows the D-Link DWM-3010 web interface. The left sidebar contains a navigation menu with the following items: Status, Basic Network, Object Definition, Field Communication, Security, Administration, Configure & Manage, System Operation (highlighted in red), IP, Diagnostic, and Service. The main content area displays the 'System Time Configuration' page. The breadcrumb trail is: Password & MMI > System Information > System Time > System Log > Backup & Restore > Reboot & Reset. The 'System Time Configuration' table is as follows:

Item	Setting
Synchronization method	Time Server
Time Zone	(GMT+08:00) Taipei
Auto-synchronization	Time Server: [input field] Available Time Servers (RFC-868): Auto
Auto Daylight Saving Time	<input type="checkbox"/> Enable
NTP Service	<input type="checkbox"/> Enable
Synchronize immediately	Active

At the bottom of the configuration area, there are 'Save' and 'Refresh' buttons.

# DLink DWM-3010 5G路由器WiFi設定



Wifi → 2.4g → Edit

The screenshot shows the D-Link DWM-3010 web interface. The left sidebar has a red box around the 'WiFi' menu item. The main content area shows the '2.4G WiFi Configuration' section. A red box highlights the '2.4G Single Band' dropdown menu. A text box with the Chinese text '2.4和5 G要各做一次' (2.4 and 5G need to be done separately) is overlaid on the interface. Another red box highlights the 'Edit' button in the '2.4G VAP List' table.

ID	VAP	SSID	Authentication	Encryption	STA Isolation	Broadcast SSID	Enable	Actions
1	VAP 1	DWM-3010-D436	WPA2-PSK	AES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="checkbox" value="Select"/>

# DLink DWM-3010 5G路由器WiFi設定



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ID	VAP	SSID	Authentication	Encryption	STA Isolation	Broadcast SSID	Enable	Actions
1	VAP 1	DWM-3010-D436	WPA2-PSK	AES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="checkbox"/> Select

# DLink DWM-3010 5G路由器WiFi設定



Wifi → 2.4g → Edit

The screenshot shows the D-Link DWM-3010 web interface. The left sidebar has a red box around the 'WiFi' menu item. The main content area shows the '2.4G WiFi Configuration' section. A red box highlights the '2.4G Single Band' dropdown menu in the 'Operation Band' field. A text box with the Chinese text '2.4和5 G要各做一次' (2.4 and 5G need to be done separately) is overlaid on the interface. Another red box highlights the 'Edit' button in the '2.4G VAP List' table.

ID	VAP	SSID	Authentication	Encryption	STA Isolation	Broadcast SSID	Enable	Actions
1	VAP 1	DWM-3010-D436	WPA2-PSK	AES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="Edit"/> <input type="checkbox" value="Select"/>

# DLink DWM-3010 5G路由器WiFi設定



Language : English  
Logout

WiFi Module One Wireless Client List Advanced Configuration Widget

Basic Configuration

Item	Setting
Operation Band	
2.4G WiFi Configuration	
WiFi Module	
Channel	
WiFi System	
WiFi Operation Mode	
Green AP	
VAP Isolation	
Time Schedule	

2.4G VAP Configuration

Item	Setting
VAP	VAP1
SSID	DWM-3010-D436
Max. STA	<input type="checkbox"/> Enable
Authentication	WPA2-PSK
Encryption	AES
Pre-shared Key	*****
STA Isolation	<input type="checkbox"/>
Broadcast SSID	<input checked="" type="checkbox"/>
Enable	<input checked="" type="checkbox"/>

2.4G VAP List Add

ID	VAP	SSID	Authentication	Encryption	Max. STA	Broadcast SSID	Enable	Actions
1	VAP 1	DWM-3010-D436	WPA2-PSK	AES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Edit Select

Save Undo

Save

可自行修改SSID名稱

修改密碼

# DLink DWM-3010 5G路由器WiFi設定



按Apply存儲並套用設定

Basic Configuration

Item	Setting
Operation Band	2.4G Single Band

2.4G WiFi Configuration

Item	Setting
WiFi Module	<input checked="" type="checkbox"/> Enable
Channel	Auto <input checked="" type="radio"/> By AP Numbers <input type="radio"/> By Less Interference
WiFi System	802.11b/g/n Mixed
WiFi Operation Mode	AP Router Mode
Green AP	<input type="checkbox"/> Enable
VAP Isolation	<input checked="" type="checkbox"/> Enable
Time Schedule	(0) Always

2.4G VAP List

ID	VAP	SSID	Authentication	Encryption	STA Isolation	Broadcast SSID
1	VAP 1	DWM-3010-D436	WPA2-PSK	AES	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Save Undo **Apply**

Save to flash ONLY! Click on Apply to take effect.

System is processing, please wait a few seconds ...

Apply後要等約30秒

# DLink DWM-3010 5G路由器WiFi設定



拿行動裝置，連上SSID即可

