

HowTo: different Base-SSID for 2.4 & 5 GHz on DWC-x000 Series

requirements]

1. Unified Wireless Controller/Switch with latest firmware version: **4.7.1.1** and newer
(this settings are also valid for DWS-4026 (FW 4.3.x and newer) & DWS-3160 (FW 4.4.x and newer), the webgui menu structure will differ from the ons of the DWC-1000/2000)

[Scenario]

On a DWC-1000 there should be separate Base-SSIDs for 2.4 & 5 GHz Radio configured.

[preparation]

⇒ Pre-configure your DWC-x000 System including AP Profile

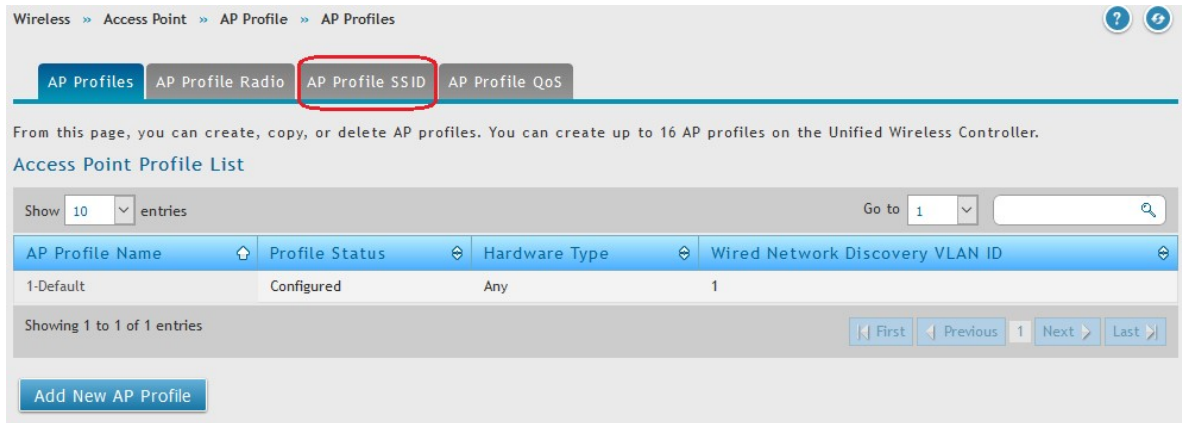
[setup]

Open the WebGUI of the DWC-1000/2000 and login

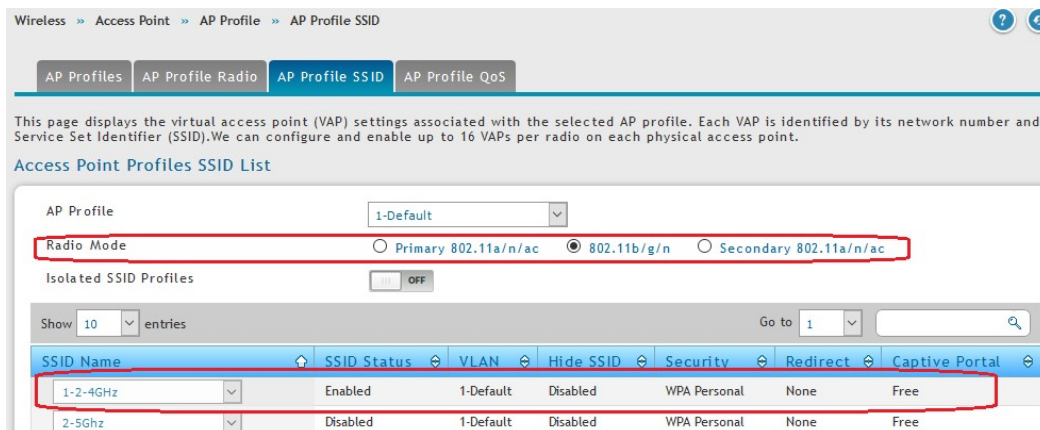
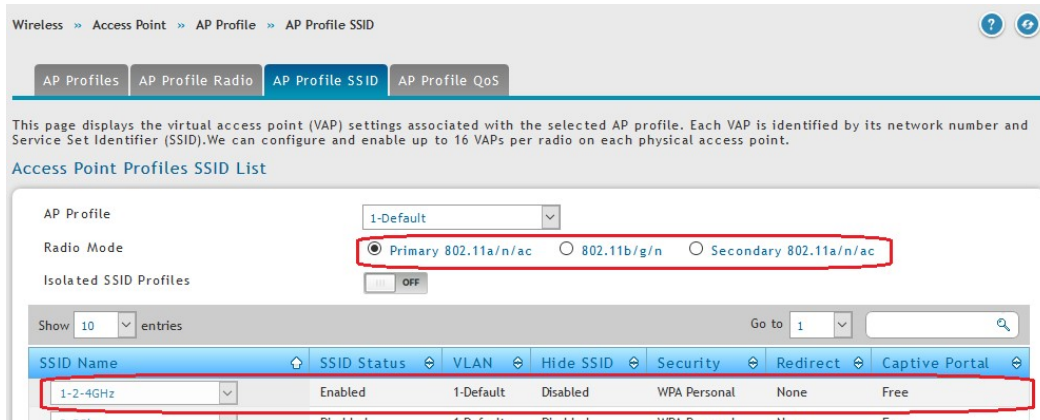
1.)

Navigate to the Submenu > wireless > AP Profile > AP Profile SSID

Open the Menu > AP Profile SSID



When you check the “Radio Mode” for Primary (5GHz) and 802.11b/g/n (2.4 GHz) and/or Secondary (5GHz, currently only supported by DWL-7620AP), you’ll see that the 1st SSID “2-4 GHz” is enabled on all 2/3 radios.



Scroll down to “Add New SSID Profile” and click it.

Access Point Profiles SSID List

AP Profile: 1-Default

Radio Mode: Primary 802.11a/n/ac 802.11b/g/n Secondary 802.11a/n/ac

Isolated SSID Profiles: OFF

Show 10 entries Go to 1

SSID Name	SSID Status	VLAN	Hide SSID	Security	Redirect	Captive Portal
1-2-4GHz	Enabled	1-Default	Disabled	WPA Personal	None	Free
2-5Ghz	Disabled	1-Default	Disabled	WPA Personal	None	Free
3-dlink3	Disabled	1-Default	Disabled	None	None	Free
4-dlink4	Disabled	1-Default	Disabled	None	None	Free
5-dlink5	Disabled	1-Default	Disabled	None	None	Free
6-dlink6	Disabled	1-Default	Disabled	None	None	Free
7-dlink7	Disabled	1-Default	Disabled	None	None	Free
8-dlink8	Disabled	1-Default	Disabled	None	None	Free
9-dlink9	Disabled	1-Default	Disabled	None	None	Free
10-dlink10	Disabled	1-Default	Disabled	None	None	Free

Showing 1 to 10 of 16 entries

[Add New SSID Profile](#)

Now you can create a “dummy” SSID which is used to modify the order of the SSIDs.

SSID Configuration

SSID: dummy

Captive Portal Type: Free

Hide SSID: OFF

VLAN: 1 [Range: 1 - 4093]

MAC Authentication: Local Radius Disable

Redirect: None HTTP

Wireless ARP Suppression Mode: OFF

L2 Distributed Tunneling Mode: OFF

Band Steering: OFF

RADIUS Use Network Configuration: OFF

Security: None WEP WPA/WPA2

Client OoS: OFF

[Save](#)

After creation of the new “dummy” SSID you can start modifying the order of the “Primary” radio.

Therefore at first you need to select the 1st SSID and choose “dummy” instead of “2-4GHz”.

This page displays the virtual access point (VAP) settings associated with the selected AP profile. Each VAP is identified by its network number and Service Set Identifier (SSID). We can configure and enable up to 16 VAPs per radio on each physical access point.

Access Point Profiles SSID List

AP Profile: 1-Default

Radio Mode: Primary 802.11a/n/ac 802.11b/g/n Secondary 802.11a/n/ac

Isolated SSID Profiles: OFF

Show 10 entries Go to 1

SSID Name	SSID Status	VLAN	Hide SSID	Security	Redirect	Captive Portal
1-2-4GHz	Enabled	1-Default	Disabled	WPA Personal	None	Free
1-2-4GHz	Disabled	1-Default	Disabled	WPA Personal	None	Free
2-5Ghz	Disabled	1-Default	Disabled	None	None	Free
3-dlink3	Disabled	1-Default	Disabled	None	None	Free
4-dlink4	Disabled	1-Default	Disabled	None	None	Free
5-dlink5	Disabled	1-Default	Disabled	None	None	Free
6-dlink6	Disabled	1-Default	Disabled	None	None	Free
7-dlink7	Disabled	1-Default	Disabled	None	None	Free
8-dlink8	Disabled	1-Default	Disabled	None	None	Free
9-dlink9	Disabled	1-Default	Disabled	None	None	Free
10-dlink10	Disabled	1-Default	Disabled	None	None	Free
11-dlink11	Disabled	1-Default	Disabled	None	None	Free
12-dlink12	Disabled	1-Default	Disabled	None	None	Free
13-dlink13	Disabled	1-Default	Disabled	None	None	Free
14-dlink14	Disabled	1-Default	Disabled	None	None	Free
15-dlink15	Disabled	1-Default	Disabled	None	None	Free
16-dlink16	Disabled	1-Default	Disabled	None	None	Free
17-dummy	Disabled	1-Default	Disabled	None	None	Free

Access Point Profiles SSID List

AP Profile: 1-Default

Radio Mode: Primary 802.11a/n/ac 802.11b/g/n Secondary 802.11a/n/ac

Isolated SSID Profiles: OFF

Show 10 entries Go to 1

SSID Name	SSID Status	VLAN	Hide SSID	Security	Redirect	Captive Portal
17-dummy	Enabled	1-Default	Disabled	None	None	Free
2-5Ghz	Disabled	1-Default	Disabled	WPA Personal	None	Free

Repeat the same now for the 2nd SSID “5GHz” but select here the SSID “2-4GHz”.

This page displays the virtual access point (VAP) settings associated with the selected AP profile. Each VAP is identified by its network number and Service Set Identifier (SSID). We can configure and enable up to 16 VAPs per radio on each physical access point.

Access Point Profiles SSID List

AP Profile: 1-Default

Radio Mode: Primary 802.11a/n/ac 802.11b/g/n Secondary 802.11a/n/ac

Isolated SSID Profiles: OFF

SSID Name	SSID Status	VLAN	Hide SSID	Security	Redirect	Captive Portal
17-dummy	Enabled	1-Default	Disabled	None	None	Free
1-2-4GHz	Disabled	1-Default	Disabled	WPA Personal	None	Free
2-5GHz	Disabled	1-Default	Disabled	None	None	Free

Repeat the same now for the 1st SSID “dummy” but select here the SSID “5GHz”.

This page displays the virtual access point (VAP) settings associated with the selected AP profile. Each VAP is identified by its network number and Service Set Identifier (SSID). We can configure and enable up to 16 VAPs per radio on each physical access point.

Access Point Profiles SSID List

AP Profile: 1-Default

Radio Mode: Primary 802.11a/n/ac 802.11b/g/n Secondary 802.11a/n/ac

Isolated SSID Profiles: OFF

Show 10 entries

SSID Name	SSID Status	VLAN	Hide SSID	Security	Redirect	Captive Portal
17-dummy	Enabled	1-Default	Disabled	None	None	Free
1-2-4GHz	Disabled	1-Default	Disabled	WPA Personal	None	Free
2-5GHz	Disabled	1-Default	Disabled	None	None	Free

After completing you'll see in 5GHz Radio that the SSID "5GHz" is enabled while the SSID "2-4GHz" is disabled.

The screenshot shows the 'AP Profile SSID' configuration page. At the top, a green banner indicates 'Operation Succeeded'. The breadcrumb trail is 'Wireless >> Access Point >> AP Profile >> AP Profile SSID'. The 'AP Profile' is set to '1-Default'. The 'Radio Mode' is set to 'Primary 802.11a/n/ac', which is highlighted with a red box. The 'Isolated SSID Profiles' are set to 'OFF'. Below this is the 'Access Point Profiles SSID List' table. The table has columns for SSID Name, SSID Status, VLAN, Hide SSID, Security, Redirect, and Captive Portal. Two rows are visible: '2-5Ghz' (Enabled) and '1-2-4GHz' (Disabled). Both rows are highlighted with a red box.

SSID Name	SSID Status	VLAN	Hide SSID	Security	Redirect	Captive Portal
2-5Ghz	Enabled	1-Default	Disabled	WPA Personal	None	Free
1-2-4GHz	Disabled	1-Default	Disabled	WPA Personal	None	Free

In 2.4 GHz Radio the SSID "2-4GHz" is enabled while the SSID "5GHz" is still disabled.

The screenshot shows the 'AP Profile SSID' configuration page. The breadcrumb trail is 'Wireless >> Access Point >> AP Profile >> AP Profile SSID'. The 'AP Profile' is set to '1-Default'. The 'Radio Mode' is set to '802.11b/g/n', which is highlighted with a red box. The 'Isolated SSID Profiles' are set to 'OFF'. Below this is the 'Access Point Profiles SSID List' table. The table has columns for SSID Name, SSID Status, VLAN, Hide SSID, Security, Redirect, and Captive Portal. Two rows are visible: '1-2-4GHz' (Enabled) and '2-5Ghz' (Disabled). Both rows are highlighted with a red box.

SSID Name	SSID Status	VLAN	Hide SSID	Security	Redirect	Captive Portal
1-2-4GHz	Enabled	1-Default	Disabled	WPA Personal	None	Free
2-5Ghz	Disabled	1-Default	Disabled	WPA Personal	None	Free

After you pushed the AP Profile to the APs you'll see in the wireless environment 2 different SSIDs in separate frequencies.

