

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 Menue > AP Profile SSID

Wireless » Access Point » AP P	rofile » AP Profiles				00
AP Profiles AP Profile R	adio AP Profile SSID AP	Profile QoS			
From this page, you can create	e, copy, or delete AP profile	s. You can create up to 16 AP	profiles on the Ur	nified Wireless Controller.	
Access Point Profile List					
Show 10 \checkmark entries				Go to 1 🗸	٩
AP Profile Name 🗘	Profile Status 🛛 🕀	Hardware Type 🛛 😔	Wired Network	Discovery VLAN ID	⇔
1-Default	Configured	Any	1		
Showing 1 to 1 of 1 entries				First Previous Next	Last 🎾
Add New AP Profile					

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.

Wireless » Access Point » AP Profile » AP Profile	SSID			00
AP Profiles AP Profile Radio AP Profile	SSID AP Profile QoS			
This page displays the virtual access point (VAP) Service Set Identifier (SSID).We can configure an Access Point Profiles SSID List	settings associated with the	e selected AP profile. Ea radio on each physical a	ach VAP is identified by its access point.	network number and
AP Profile	1-Default	~		
Radio Mode	Primary 802.11a/n/ac	O 802.11b/g/n C	Secondary 802.11a/n/ac	í l
Isolated SSID Profiles	OFF			
Show 10 🗸 entries			Go to 1 🗸	٩
SSID Name 🔂 SSII	DStatus ⊖ VLAN ⊖	Hide SSID ⊖ Secur	ity ⊖ Redirect ⊖ (Captive Portal \varTheta
1-2-4GHz V Enab	oled 1-Default	Disabled WPA Per	rsonal None F	ree
D ECha	alad 1.Dafault	Dirabled WDA De	rronal None F	ree
Wireless » Access Point » AP Profile » AP Profile AP Profiles AP Profile Radio AP Profile	e SSID AP Profile QoS			0 0
This page displays the virtual access point (VAP) Service Set Identifier (SSID).We can configure at Access Point Profiles SSID List) settings associated with th nd enable up to 16 VAPs per	ne selected AP profile. I radio on each physical	Each VAP is identified by it l access point.	s network number and
AP Profile	1-Default	~		
Radio Mode	O Primary 802.11a/n/ac	: 🖲 802.11b/g/n (○ Secondary 802.11a/n/ac	
Isolated SSID Profiles	OFF			
Show 10 🖌 entries			Go to 1 🗸	٩
SSID Name 🔗 SSI	ID Status 😌 VLAN 😌	Hide SSID ⊖ Secu	urity Ə Redirect Ə	Captive Portal ⊖
1-2-4GHz V Ena	bled 1-Default	Disabled WPA P	Personal None	Free
2-5Ghz V Disa	bled 1-Default	Disabled WPA P	Personal None	Free



Scroll down to "Add New SSID Profile" and click it.

AP Profile Radio Mode solated SSID Profiles		1-Default • Primary 802.11a/n/ac • 802.11b/g/n • Secondary 802.11a/n/ac • OFF • • • • • • • • • • • • • • • •					
now 10 🗸 entries					Go	to 1 ~	C
SID Name	ć	SSID Status ↔	VLAN \varTheta	Hide SSID ⊖	Security ⊖	Redirect ⊖	Captive Portal
1-2-4GHz	~	Enabled	1-Default	Disabled	WPA Personal	None	Free
2-5Ghz	\sim	Disabled	1-Default	Disabled	WPA Personal	None	Free
3-dlink3	\sim	Disabled	1-Default	Disabled	None	None	Free
4-dlink4	\sim	Disabled	1-Default	Disabled	None	None	Free
5-dlink5	~	Disabled	1-Default	Disabled	None	None	Free
6-dlink6	\sim	Disabled	1-Default	Disabled	None	None	Free
7-dlink7	\sim	Disabled	1-Default	Disabled	None	None	Free
8-dlink8	\sim	Disabled	1-Default	Disabled	None	None	Free
9-dlink9	\sim	Disabled	1-Default	Disabled	None	None	Free
10-dlink10	~	Disabled	1-Default	Disabled	None	None	Free
nowing 1 to 10 of 16 entrie	:5				K First	Previous 1	2 Next > Last

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

SSID Configuration			X
SSID	dummy		^
Captive Portal Type	Free	~	
Hide SSID	OFF		
VLAN	1	[Range: 1 - 4093]	
MAC Authentication	O Local	O Radius 💿 Disable	
Redirect	None	О нттр	
Wireless ARP Suppression Mode	OFF		
L2 Distributed Tunneling Mode	OFF		
Band Steering	OFF		
RADIUS Use Network Configuration	OFF		
Security	None	O WEP O WPA/WPA2	
Client Oos	orr		~
			ave



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".

AP Profile	1-Default		~			
Radio Mode	Primary	y 802.11a/n/ac	O 802.11b/g	/n O Second	ary 802.11a/n/a	c
solated SSID Profiles	OFF		2			
how 10 \checkmark entries				Go	o to 1 ~	
SID 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 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
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
11-dlink11	Disabled	1-Default	Disabled	None	None	Free
12-dlink12	Disabled	1-Default	Disabled	None	None	Free
13-dlink13 14-dlink14	DISTORT	- Delaber	Distored			
15-dlink15				K First	t Previous 1	2 Next > Last
16-dlink16						
17-dummy						
ess Point Profiles SSID List						
AD Drofile						
AF FIOIRE	1-Default	Second Second				
Radio Mode	Primar	y 802.11a/n/ac	O 802.11b/g	/n O Seconda	ary 802.11a/n/a	c
Isolated SSID Profiles	OFF					
				Gr	to 1	e
how 10 🗸 entries				00		
how 10 Y entries	🗘 SSID Status 😌	VLAN O	Hide SSID ⊖	Security ⊖	Redirect ⊕	Captive Portal
how 10 v entries		O VLAN ⊖ 1-Default	Hide SSID ⊖ Disabled	Security ⊖ None	Redirect ⊖ None	Captive Portal Free





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

	1-2-4GHz						-	
A	2-5Ghz	lio AP Pr	rofile SSID AP P	rofile QoS				
_	3-dlink3							
This c	4-dlink4	ess point	(VAP) settings asso	ociated with t	he selected AP	profile. Each VAP	is identified by	its network number and
Servio	5-dlink5	an configu	ure and enable up	to 16 VAPs per	r radio on each	physical access p	point.	
Acce	6-dlink6	List						
	7-dlink7							
4	8-dlink8		1. Defeult					
1	9-dlink9		1-Default		× I			
F	10-dlink10		Primar	y 802.11a/n/ad	O 802.11b/	g/n O Secon	dary 802.11a/n/a	c
	11-dlink11		0.00					
	12-dlink12		OFF					
CL	13-dlink13						Go to I	0
Sr	14-dlink14							~
S	15-dlink15	0	SSID Status	VLAN O	Hide SSID €	Security	Redirect 🕀	Captive Portal ↔
	16-dlink16			10.0	D			-
	17-dummy		Enabled	1-Default	Disabled	None	None	Free
			Disablad	1001				

Repeat the same now for the 1nd SSID "dummy" but select here the SSID "5GHz".

AP Profiles AP Profile Rac	tio AP Profile SSI	AP Profile QoS				
This page displays the virtual acc Service Set Identifier (SSID).We o Access Point Profiles SSID	cess point (VAP) sett an configure and er List	ings associated wi nable up to 16 VAP	th the selected a s per radio on ea	AP profile. Each V ch physical acces	AP is identified by ss point.	its network number and
AP Profile		-Default	~			
Radio Mode	(Primary 802.11a/	n/ac O 802.1	1b/g/n OSec	ondary 802.11a/n/a	a C
Isolated SSID Profiles		OFF				
Show 10 \checkmark entries					Go to 1 🗸	٩
SSID Name	🗘 SSID St	atus ⊖ VLAN	⊖ Hide SSID	⊖ Security	⊖ Redirect ⊖	Captive Portal ↔
17-dummy 🗸	Enabled	1-Defaul	t Disabled	None	None	Free
1-2-4GHz	Disabled	1-Defaul	t Disabled	WPA Personal	None	Free
2-5Ghz 3-dlink 3	Disabled	1-Defaul	t 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.

Wireless » Access Point » AP Profile	» AP Profile SSID					0
		Operation	Succeeded			
AP Profiles AP Profile Radio	AP Profile SSID AP Pro	ofile QoS				
This page displays the virtual access Service Set Identifier (SSID).We can Access Point Profiles SSID Lis	point (VAP) settings assoc configure and enable up t t	ciated with th o 16 VAPs per	e selected AP pr radio on each p	ofile. Each VAP is hysical access poi	identified by i int.	ts network number and
AP Profile Radio Mode	1-Default Primary	802.11a/n/ac	✓ O 802.11b/g	/n O Seconda	ry 802.11a/n/ad	
Isolated SSID Profiles	OFF					
Show 10 \checkmark entries				Go	to 1 🗸	Q
SSID Name	♦ SSID Status ⊕	VLAN \varTheta	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
	N. 11. 1	10 1 1				

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

Wireless » Access Point » AP Profile » A	P Profile SSID					9
AP Profiles AP Profile Radio AP	Profile SSID AP Pro	ofile QoS				
This page displays the virtual access poin Service Set Identifier (SSID).We can confi Access Point Profiles SSID List	t (VAP) settings assoc gure and enable up t	ciated with th o 16 VAPs per	ne selected AP pr radio on each p	rofile. Each VAP i hysical access p	s identified by i pint.	ts network number and
AP Profile Radio Mode	1-Default	802.11a/n/ac	× 802.11b/g	O Second	ary 802.11a/n/ac	
Isolated SSID Profiles	OFF OFF	002.110/11/00	0 0021110/5		ary 002.110.117	
Show 10 Y entries				G	o to 1 ~	٩
SSID Name	SSID Status O	VLAN O	Hide SSID 0	Security 0	Redirect O	Captive Portal_⊖
1-2-4GHz 🗸	Enabled	1-Default	Disabled	WPA Personal	None	Free
2-5Ghz 🗸	Disabled	1-Default	Disabled	WPA Personal	None	Free
		10.4.1				-



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

Wireless » Access Point » AP Pr	rofile » AP Profiles					3
AP Profiles AP Profile Ra	adio 🛛 AP Profile S	SID AP Pro	ofile QoS			
From this page, you can create Access Point Profile List	, copy, or delete ,	AP profiles. Y	You can create up to	16 AP p	profiles on the Unified Wireless	Controller.
Show 10 🕑 entries					Go to 1	vQ
AP Profile Name 🛛 🔂	Profile Status	⇔	Hardware Type	۲	Wired Network Discovery	VLAN ID 😔
1-Default	Associated - Modifie		A		1	
Showing 1 to 1 of 1 entries		Edit			First P	revious 1 Next > Last >
Add New AP Profile		🛃 Сору				
		🖌 Apply				
		🗙 Delete				

Last scan 12:32:26 PM	Displayed Total 11 / 52	Image: Sort by signal st ∨ Do not group ∨ GHz B A 24 50 History CH View Weiter Weiter Sectors Sectors Sectors Sectors
40:98:CD:4C:6A:40 5,260 MHz 52 5Ghz	- 37 d8m	AC RSNA-PSK AES-CCMP Infrastructure 102.4 ms 1m
48:98:CD:4C:6A:50 2,412 MHz 1 2-4GHz	-39 d8m	RSNA-PSK AES-CCMP Infrastructure 102.4 ms 1m