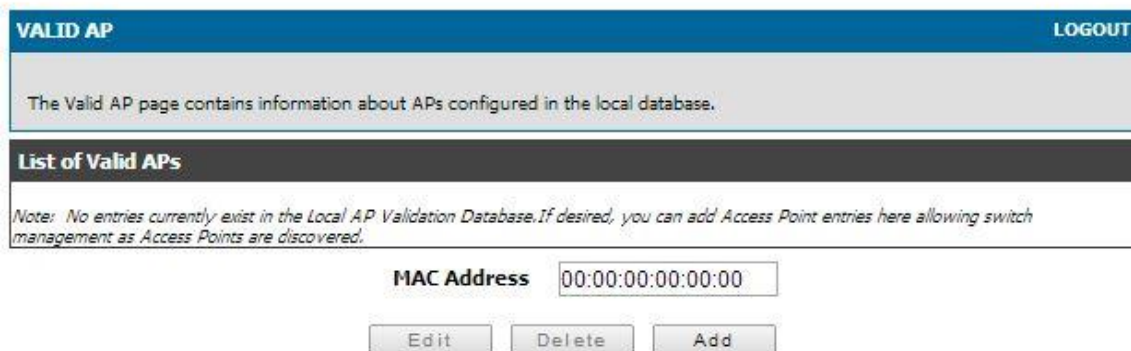


Requirements - Check that the DWC-1000 and AP have installed the latest firmware version available.

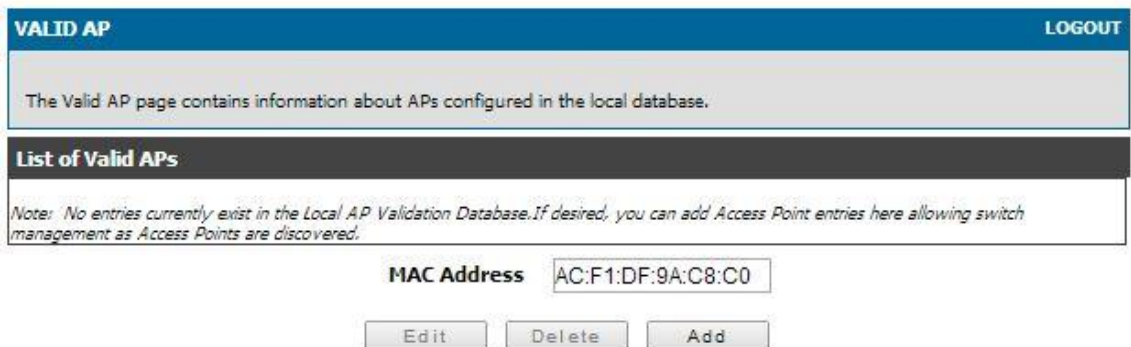
Make sure that the access points are in the same subnet as the DWC-1000.

Step 1 – In the configuration page of the DWC-1000 go to **Setup - AP Management - Valid Access Points**



The screenshot shows the 'VALID AP' configuration page. At the top right is a 'LOGOUT' link. Below the header is a grey box with the text: 'The Valid AP page contains information about APs configured in the local database.' Below this is a section titled 'List of Valid APs' with a note: 'Note: No entries currently exist in the Local AP Validation Database. If desired, you can add Access Point entries here allowing switch management as Access Points are discovered.' Below the note is a form with a 'MAC Address' label and a text input field containing '00:00:00:00:00:00'. Below the input field are three buttons: 'Edit', 'Delete', and 'Add'.

Step 2 – Enter the individual MAC address of the access point manually



The screenshot shows the 'VALID AP' configuration page. At the top right is a 'LOGOUT' link. Below the header is a grey box with the text: 'The Valid AP page contains information about APs configured in the local database.' Below this is a section titled 'List of Valid APs' with a note: 'Note: No entries currently exist in the Local AP Validation Database. If desired, you can add Access Point entries here allowing switch management as Access Points are discovered.' Below the note is a form with a 'MAC Address' label and a text input field containing 'AC:F1:DF:9A:C8:C0'. Below the input field are three buttons: 'Edit', 'Delete', and 'Add'.

Click on "Add" and you should be presented with the following screen

How to Add Access Point and Configuration of Profiles in the DWC-1000 Wireless Controller

VALID AP LOGOUT

We can set the Valid Access Point Configuration here.

Valid Access Point Configuration

MAC address:	AC:F1:DF:9A:C8:C0 ▼
AP Mode	Managed ▼
Location:	Office
Authentication Password:	<input type="text"/> <input type="checkbox"/> Edit
Profile:	1 - Default ▼
Expected SSID:	<input type="text"/>
Expected Channel:	Any ▼
Expected WDS Mode:	Any ▼
Expected Security Mode:	Any ▼
Expected Wired Network Mode :	Allowed ▼

Radio 1 - 802.11a/n

Channel:	Auto ▼
Power:	Profile ▼
Forced Roaming	<input type="checkbox"/>
Roaming Threshold	<input type="text" value="20"/> (20 to 50)

Radio 2 - 802.11b/g/n

Channel:	Auto ▼
Power:	Profile ▼
Forced Roaming	<input type="checkbox"/>
Roaming Threshold	<input type="text" value="20"/> (20 to 50)

Step 3 – Enter the Access Point Configuration

AP Mode: Managed

Location: Office (*optional, but will help to locate your access-points if you plan to install more*)

Profile: 1-Default

Click on "Save Settings"

Once saved you should be presented with the next screen

VALID AP LOGOUT

The Valid AP page contains information about APs configured in the local database.

List of Valid APs

<input type="checkbox"/>	MAC Address	Location	AP Mode	Profile
<input type="checkbox"/>	ac:f1:df:9a:c8:c0	Office	Managed	1-Default

MAC Address

Step 4 – To confirm and check the status of the AP added go to **Status – Access Point Info – APs Summary**

ACCESS POINTS SUMMARY LOGOUT

The All AP Summary page shows summary information about managed, failed, and rogue access points the controller has discovered or detected.

List of APs

<input type="checkbox"/>	MAC Address	IP Address	Age	Status	Radio	Channel
<input type="checkbox"/>	ac:f1:df:9a:c8:c0	192.168.1.148	0h:0m:2s	Managed	1-802.11a/n, 2-802.11b/g/n	36, 1
<input type="checkbox"/>	00:0c:f6:4a:b5:2c	N/A	17h:42m:40s	Unknown	802.11b	11
<input type="checkbox"/>	00:12:ef:7e:df:e3	N/A	17h:9m:40s	Unknown	802.11b	11

Step 5 – To create a new wireless profile - Go to **Advanced - AP Profile**

AP PROFILES SUMMARY LOGOUT

From Access Point Profile Summary page, you can create, copy, or delete AP profiles. You can create up to 16 AP profiles on the Unified Wireless Controller.

Access Point Profile List

<input type="checkbox"/>	Profile	Profile Status
<input type="checkbox"/>	1-Default	Associated

There is a default profile that you can use and modify by checking the box "1-Default" and clicking "Edit". Clicking on "Add" will create a new profile. In this example we have used the 1-default by Clicking "Edit"

AP PROFILES SUMMARY LOGOUT

This page is used to configure a variety of global settings for a new or existing AP profile. The Hardware Type "Any" doesn't support 11ac mode, please choose specific hardware type for 11ac model, DWL-8610AP for example.

AP Profile Global Configuration

Profile Name:

Hardware Type:

Wired Network Discovery VLAN ID: (1 to 4093)

Step 6 – Enter the AP Profile Global Configuration details as follows

Profile Name: test

Hardware Type: DWL-8600AP Dual Radio a/b/g/n (Or select the appropriate one for you)

Wired Network Discovery VLAN ID: 1

Click "Save Settings"

Step 7 – In order to configure the options for the radio profile you created, select the checkbox on the left side of the profile name and click "Configure Radio"

AP PROFILES SUMMARY LOGOUT

From Access Point Profile Summary page, you can create, copy, or delete AP profiles. You can create up to 16 AP profiles on the Unified Wireless Controller.

Access Point Profile List

<input type="checkbox"/>	Profile	Profile Status
<input checked="" type="checkbox"/>	1-test	Associated - Modified

Step 8 – In this section you can configure the parameters of the radio band 2.4 GHz and 5 GHz. It is recommended to leave the default parameters except for the parameter "Maximum Client" in which we suggest to replace the value "200" with a value of "30".

How to Add Access Point and Configuration of Profiles in the DWC-1000 Wireless Controller

AP Profile Radio Configuration	
AP Profile:	AP Profile 1-test
Radio Mode:	<input type="radio"/> 1-802.11a/n <input checked="" type="radio"/> 2-802.11b/g/n
Radio Configuration	
State:	<input checked="" type="radio"/> On <input type="radio"/> Off
Radio Scheduler:	Scheduler Off ▼
RTS Threshold:	2347 (0 to 2347) (Bytes)
Load Balancing:	<input type="checkbox"/>
Load Utilization:	80 (1 to 100) (%)
Maximum Clients:	30 (0 to 200)
RF Scan Other Channels:	<input checked="" type="checkbox"/>
RF Scan Sentry:	<input type="checkbox"/>
Mode:	IEEE 802.11b/g/n ▼
DTIM Period:	10 (1 to 255) (# Beacons)
Beacon Interval:	100 (20 to 2000) (Msecs)
Automatic Channel:	<input checked="" type="checkbox"/>
Automatic Power:	<input checked="" type="checkbox"/>
Initial Power:	100 (1 to 100) (%)
Minimum Power:	20 (1 to 100) (%)
APSD Mode	Enable ▼
RF Scan Interval (secs)	80 (30 to 120)
Frag Threshold (bytes)	2346 (256 to 2346)
RF Scan Sentry Channels	<input checked="" type="checkbox"/> 802.11a <input checked="" type="checkbox"/> 802.11b/g
Short Retries	7
RF Scan Duration (msecs)	10 (10 to 2000)
Long Retries	4
Rate Limiting	<input type="checkbox"/>
Transmit Lifetime (msecs)	512
Rate Limit (pkts/sec)	50 (1 to 50)
Receive Lifetime (msecs)	512
Rate Limit Burst (pkts/sec)	75 (1 to 75)
Station Isolation	<input type="checkbox"/>
Channel Bandwidth	20 MHz ▼
Primary Channel	Lower
Protection	Auto ▼
Short Guard Interval	Enable ▼
Space Time Block Code	Enable ▼
Radio Resource Management	Enable ▼
No ACK	Disable ▼
Multicast Tx Rate (Mbps)	Auto ▼
Forced Roaming:	<input type="checkbox"/>
Roaming Threshold	20 (20 to 50)

How to Add Access Point and Configuration of Profiles in the DWC-1000 Wireless Controller

Supported Channels		Auto Eligible
1	<input checked="" type="checkbox"/>	
2	<input type="checkbox"/>	
3	<input type="checkbox"/>	
4	<input type="checkbox"/>	
5	<input type="checkbox"/>	
6	<input checked="" type="checkbox"/>	
7	<input type="checkbox"/>	
8	<input type="checkbox"/>	
9	<input type="checkbox"/>	
10	<input type="checkbox"/>	
11	<input checked="" type="checkbox"/>	

Rate Sets (Mbps)	Basic	Supported
1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5.5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
12	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24	<input type="checkbox"/>	<input checked="" type="checkbox"/>
36	<input type="checkbox"/>	<input checked="" type="checkbox"/>
48	<input type="checkbox"/>	<input checked="" type="checkbox"/>
54	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Click "Save Settings" – **ADVANCED – AP Profile**

Step 9 – In order to configure the SSID profile you created, select the checkbox for the profile, and then click "Configure SSID"

AP PROFILES SUMMARY LOGOUT

From Access Point Profile Summary page, you can create, copy, or delete AP profiles. You can create up to 16 AP profiles on the Unified Wireless Controller.

<input type="checkbox"/>	Profile	Profile Status
<input checked="" type="checkbox"/>	1-test	Associated - Modified

How to Add Access Point and Configuration of Profiles in the DWC-1000 Wireless Controller

Step 10 – In "AP Profile VAP configuration", you can configure the SSID for both the 2.4 GHz and 5 GHz frequencies. By default there are 16 SSID called "dlink" for each band. To customize the SSID, you need to click the button "Edit. If you need to change the parameters of the SSID, for example, first check que band is selected and then proceed with editing the SSID

The screenshot shows the 'AP PROFILES SUMMARY' page with a 'LOGOUT' button. Below is the 'AP Profile VAP Configuration' section where 'AP Profile' is set to 'AP Profile 1-test' and 'Radio Mode' is set to '2-802.11b/g/n' (highlighted with a red box). Below this is the 'List of SSID' table:

	Network	VLAN	Hide SSID	Security	Redirect
<input checked="" type="checkbox"/>	1 - dlink1 <input type="button" value="Edit"/>	1-default	Disabled	WPA Personal	None
<input type="checkbox"/>	2 - dlink2 <input type="button" value="Edit"/>	1-default	Disabled	None	None
<input type="checkbox"/>	3 - dlink3 <input type="button" value="Edit"/>	1-default	Disabled	None	None
<input type="checkbox"/>	4 - dlink4 <input type="button" value="Edit"/>	1-default	Disabled	None	None
<input type="checkbox"/>	5 - dlink5 <input type="button" value="Edit"/>	1-default	Disabled	None	None

The screenshot shows the 'NETWORKS' configuration page with a 'LOGOUT' button. It contains various settings for a network profile:

- SSID: DWC-1000_TEST
- Hide SSID:
- Ignore Broadcast:
- VLAN: 1 (1 to 4093)
- MAC Authentication: Local RADIUS Disable
- Redirect: None HTTP
- Redirect URL:
- Wireless ARP Suppression Mode: Disable
- L2 Distributed Tunneling Mode: Disable
- RADIUS Authentication Server Name: Default-RADIUS-Server
- RADIUS Authentication Server Status: Configured
- RADIUS Accounting Server Name: Default-RADIUS-Server
- RADIUS Accounting Server Status: Configured
- RADIUS Use Network Configuration: Enable
- RADIUS Accounting:
- Security: None WEP WPA/WPA2
- WPA Versions: WPA Personal WPA Enterprise
- WPA Ciphers: WPA WPA2
- WPA Key Type: ASCII
- WPA Key:
- Bcast Key Refresh Rate(seconds): 300 (0 to 86400)

Once the above has been configured, click on "Save Settings"

Step 11 – To set the configuration on the access point go to **Advanced - AP profile**

In the list of profiles you will see "Profile Status" in the "Associated - Modified" that means that changes were made but these changes have not yet been applied to the Access Point

AP PROFILES SUMMARY LOGOUT

From Access Point Profile Summary page, you can create, copy, or delete AP profiles. You can create up to 16 AP profiles on the Unified Wireless Controller.

<input type="checkbox"/>	Profile	Profile Status
<input checked="" type="checkbox"/>	1-test	Associated - Modified

Select the box next to the "Profile" and click on "**Apply**" then "**Refresh**" If you get any web messages, click "Accept" and then you will notice the profile status change

AP PROFILES SUMMARY LOGOUT

From Access Point Profile Summary page, you can create, copy, or delete AP profiles. You can create up to 16 AP profiles on the Unified Wireless Controller.

<input type="checkbox"/>	Profile	Profile Status
<input type="checkbox"/>	1-test	Apply In Progress

Keep clicking "**Refresh**" until you see "**Associated**"

AP PROFILES SUMMARY LOGOUT

From Access Point Profile Summary page, you can create, copy, or delete AP profiles. You can create up to 16 AP profiles on the Unified Wireless Controller.

<input type="checkbox"/>	Profile	Profile Status
<input type="checkbox"/>	1-test	Associated

Step 12 – Now you will be able to see the SSID of any wireless device issued by the same Access Points(s)



In this example, we used "**DWC-1000_TEST**"