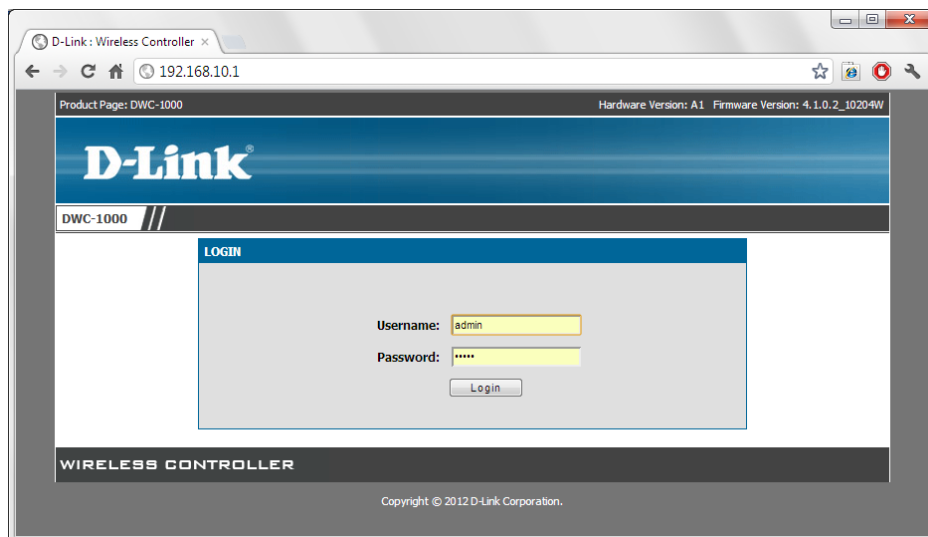


DWC-1000

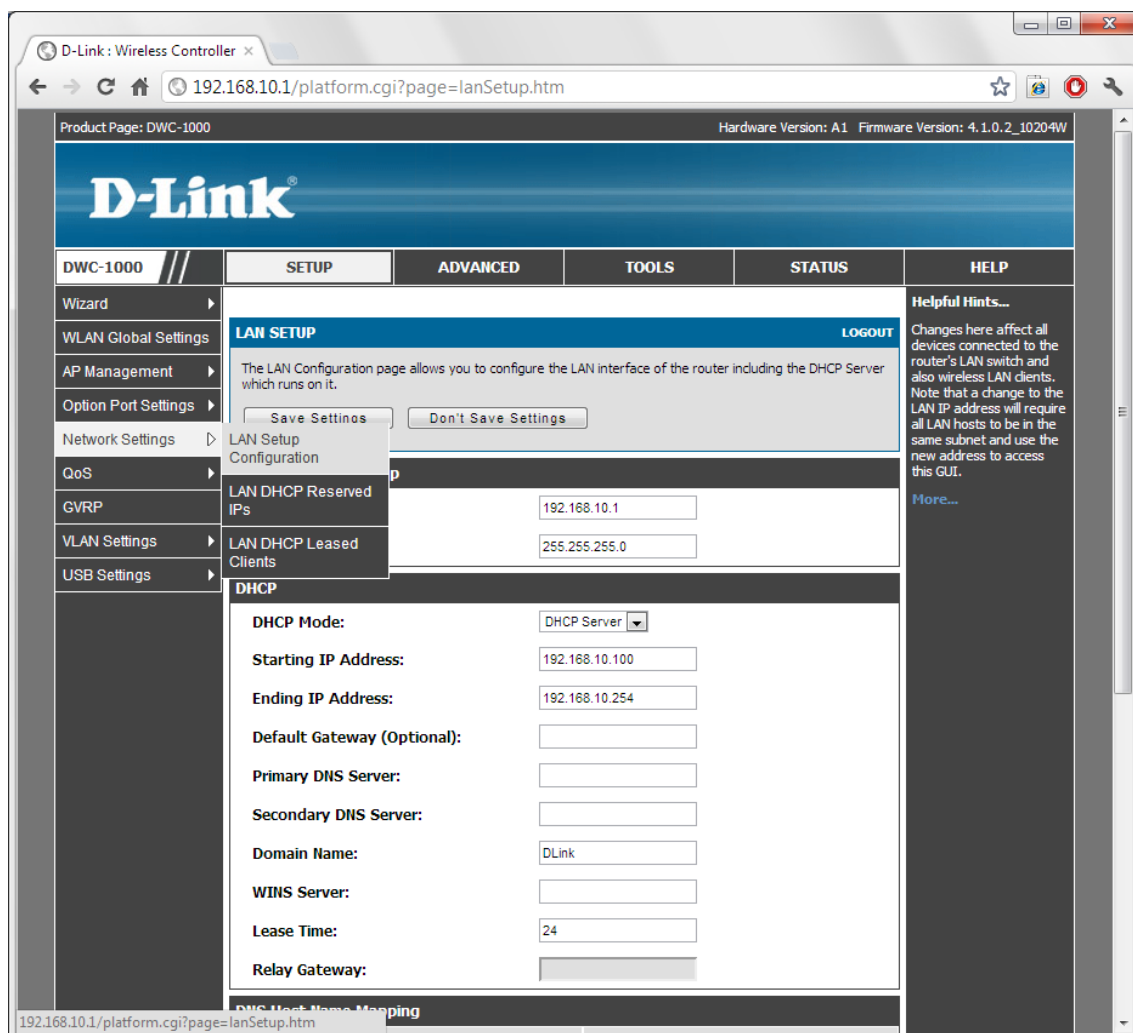
Basic configuration and Access Point management

Default LAN IP: 192.168.10.1

Default username/password: admin/admin



Go to Setup > Network Settings > LAN Setup



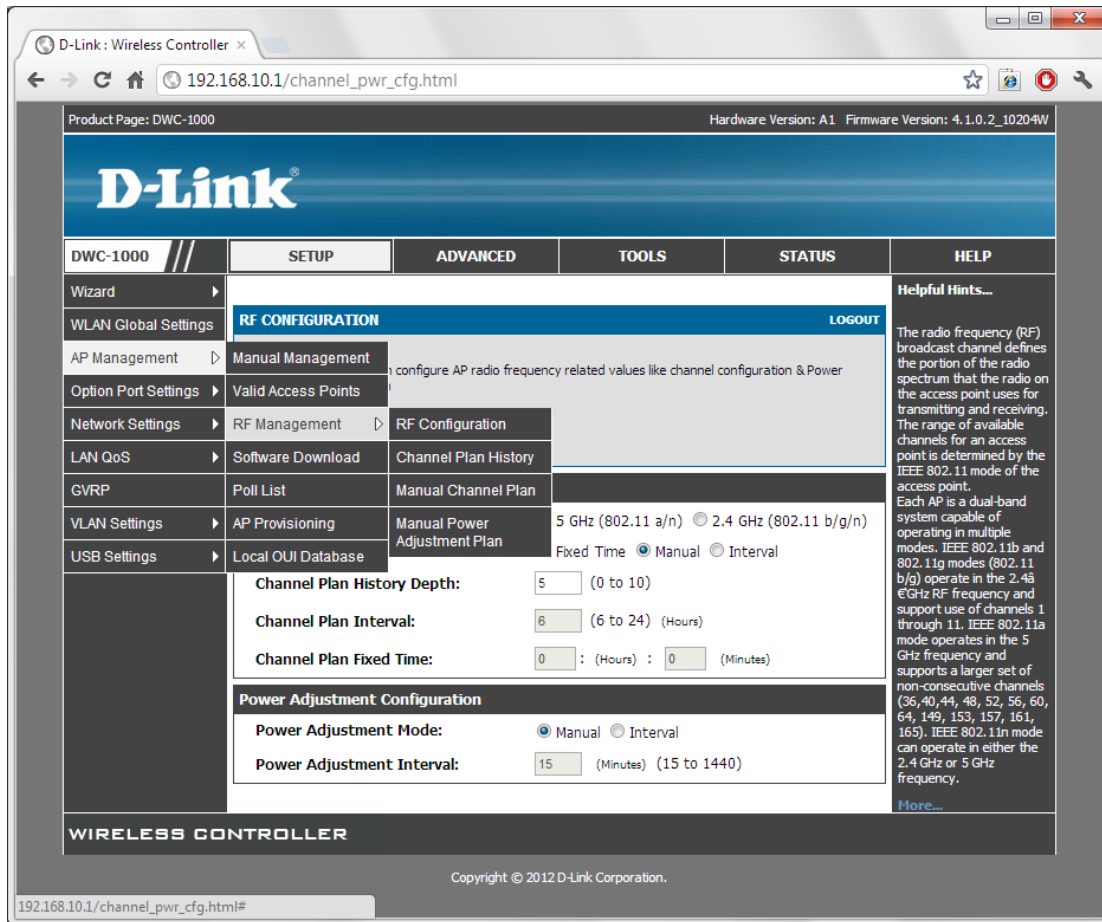
Set the controller's IP address. If there is no other DHCP server available on the LAN – enable DHCP server and specify the DHCP settings. Click on Save Settings.

The screenshot shows the D-Link Wireless Controller web interface in a browser window. The browser address bar shows the URL `192.168.10.1/platform.cgi?page=lanSetup.htm`. The page header includes the D-Link logo and navigation tabs: **DWC-1000**, **SETUP**, **ADVANCED**, **TOOLS**, **STATUS**, and **HELP**. The **SETUP** tab is active, and the **LAN SETUP** sub-tab is selected. The page content is organized into several sections:

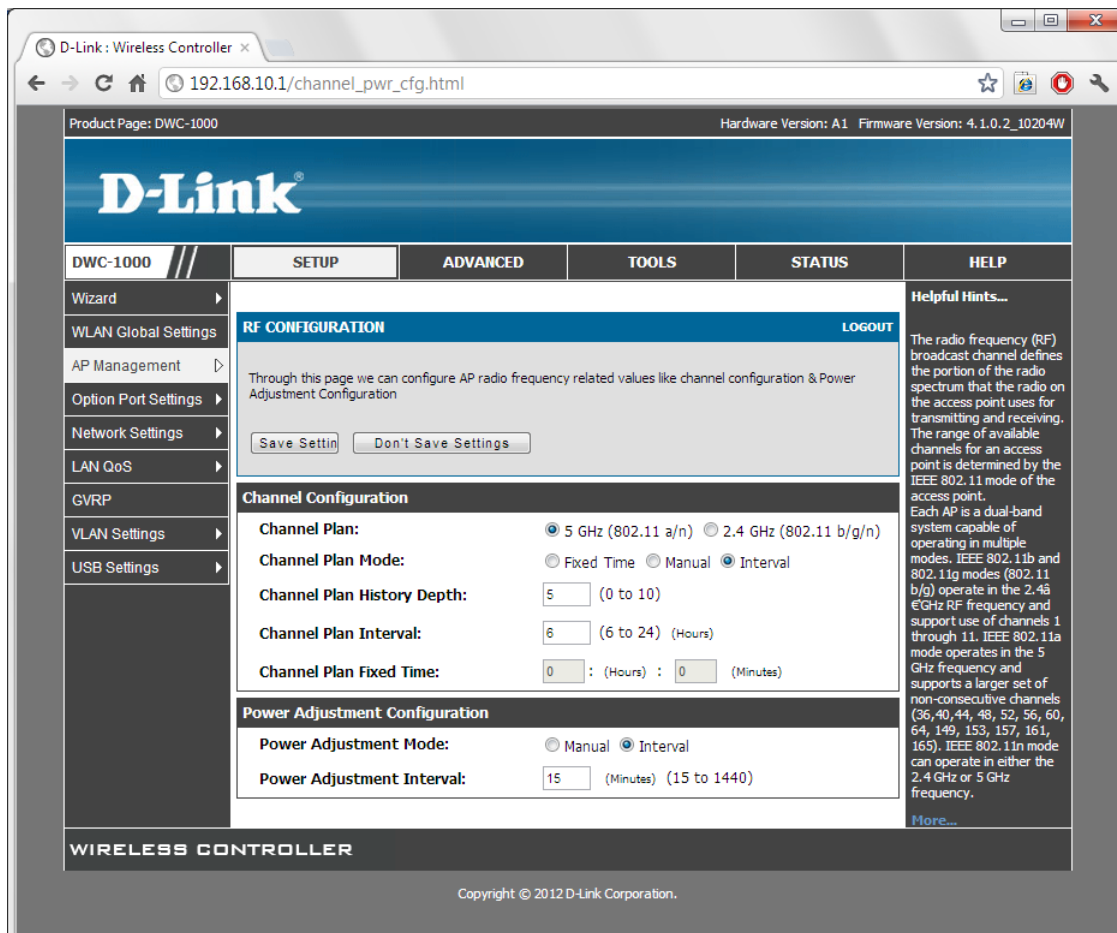
- LAN SETUP**: Includes a description of the LAN Configuration page and two buttons: **Save Settings** and **Don't Save Settings**.
- LAN IP Address Setup**: Contains input fields for **IP Address** (192.168.10.1) and **Subnet Mask** (255.255.255.0).
- DHCP**: Contains a dropdown menu for **DHCP Mode** (set to DHCP Server) and several input fields for **Starting IP Address** (192.168.10.100), **Ending IP Address** (192.168.10.200), **Default Gateway (Optional)** (192.168.10.254), **Primary DNS Server** (61.88.88.88), **Secondary DNS Server** (8.8.8.8), **Domain Name** (DLink), **WINS Server**, **Lease Time** (24), and **Relay Gateway**.
- DNS Host Name Mapping**: A section header at the bottom of the configuration area.

On the right side of the page, there is a **Helpful Hints...** section with text explaining that changes affect all devices connected to the router's LAN switch and wireless LAN clients, and a **More...** link.

Go to AP Management > RF Management > RF Configuration.



Specify the Wi-Fi Channel and Power adjustment method (Fixed time, Interval, Manual) for each of the radio bands.



Go to Advanced > AP Profile. Click on Add to add a new Access Point configuration profile.

The screenshot shows the D-Link Wireless Controller interface. The browser address bar displays "192.168.10.1/profile_summ.html". The page title is "D-Link" and the product page is "DWC-1000". The hardware version is "A1" and the firmware version is "4.1.0.2_10204W". The navigation menu includes "DWC-1000", "SETUP", "ADVANCED", "TOOLS", "STATUS", and "HELP". The "AP Profile" menu item is selected. The main content area is titled "AP PROFILES SUMMARY" and includes a "LOGOUT" link. Below this is a description: "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." A table titled "Access Point Profile List" shows three profiles: "1-Default" (Configured), "2-1stFloor" (Associated), and "3-2ndFloor" (Configured). Below the table are buttons for "Edit", "Delete", "Add", "Copy", and "Apply". At the bottom of the main content area are buttons for "Configure Radio", "Configure SSID", and "Configure QoS". A "Helpful Hints..." section on the right explains that multiple AP profiles can be created and applied to any AP managed by the controller. The footer includes "WIRELESS CONTROLLER" and "Copyright © 2012 D-Link Corporation."

The screenshot shows the D-Link Wireless Controller interface. The browser address bar displays "192.168.10.1/profile_management_cfg_rw.html". The page title is "D-Link" and the product page is "DWC-1000". The hardware version is "A1" and the firmware version is "4.1.0.2_10204W". The navigation menu is the same as in the previous screenshot. The "AP Profile" menu item is selected. The main content area is titled "AP PROFILES SUMMARY" and includes a "LOGOUT" link. Below this is a description: "This page is used to configure a variety of global settings for a new or existing AP profile." There are buttons for "Save Settings" and "Don't Save Settings". A section titled "AP Profile Global Configuration" contains three fields: "Profile Name:" with a text input field containing "1stFloor", "Hardware Type:" with a dropdown menu set to "Any", and "Wired Network Discovery VLAN ID:" with a text input field containing "1" and a range "(1 to 255)". A "Helpful Hints..." section on the right explains that when a new profile is added, this page is automatically populated with default AP settings. The footer includes "WIRELESS CONTROLLER" and "Copyright © 2012 D-Link Corporation."

Select the required profile and click on Configure Radio.

The screenshot shows the D-Link Wireless Controller web interface. The browser address bar displays "192.168.10.1/profile_summ.html". The page header includes "Product Page: DWC-1000" and "Hardware Version: A1 Firmware Version: 4.1.0.2_10204W". The D-Link logo is prominently displayed. A navigation menu at the top includes "DWC-1000 //", "SETUP", "ADVANCED", "TOOLS", "STATUS", and "HELP". A left sidebar lists various configuration categories such as "Global", "Peer Controllers", "AP Profile", "SSIDs", "WIDS Security", "Captive Portal", "Client", "IPv6", "Routing", "Certificates", "Users", "IP/MAC Binding", "Radius Settings", "WLAN Radius", and "Switch Settings". The main content area is titled "AP PROFILES SUMMARY" and includes a "LOGOUT" link. Below this is a descriptive paragraph: "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." An "Access Point Profile List" table follows, with columns for "Profile" and "Profile Status". The table lists three profiles: "1-Default" (Configured), "2-1stFloor" (Associated - Modified), and "3-2ndFloor" (Configured). Below the table are buttons for "Edit", "Delete", "Add", "Copy", and "Apply". At the bottom of the main content area are three buttons: "Configure Radio", "Configure SSID", and "Configure QoS". A "Helpful Hints..." section on the right provides additional information about creating and applying AP profiles. The footer of the page reads "WIRELESS CONTROLLER" and "Copyright © 2012 D-Link Corporation."

Set the radio settings for 802.11a/n radio band. Click on Save Settings.

Set the radio settings for 802.11b/g/n radio band. Save Settings.

If you are planning to use the Auto-healing WLAN feature set the Initial Power to 60% on both bands.



- DWC-1000 //
- Global ▶
- Peer Controllers ▶
- AP Profile
- SSIDs
- WIDS Security ▶
- Captive Portal ▶
- Client
- IPv6 ▶
- Routing ▶
- Certificates
- Users ▶
- IP/MAC Binding
- Radius Settings
- WLAN Radius ▶
- Switch Settings

SETUP

ADVANCED

TOOLS

STATUS

HELP

AP PROFILES SUMMARY

LOGOUT

This page contains several fields that are not available for the default AP Profile.

Save Settings

Don't Save Settings

AP Profile Radio Configuration

AP Profile: AP Profile 2-1stFloor

Radio Mode: 1-802.11a/n 2-802.11b/g/n

Radio Configuration

State: On Off

RTS Threshold: (0 to 2347) (Bytes)

Load Balancing:

Load Utilization: (1 to 100) (%)

Maximum Clients: (0 to 200)

RF Scan Other Channels:

RF Scan Sentry:

Mode: IEEE 802.11b/g/n ▼

DTIM Period: (1 to 255) (# Beacons)

Beacon Interval: (20 to 2000) (Msecs)

Automatic Channel:

Automatic Power:

Initial Power: (1 to 100) (%)

APSD Mode: Enable ▼

RF Scan Interval (secs): (30 to 120)

Helpful Hints...

AP can support up to two radios. By default, Radio 1 operates in the IEEE 802.11b/g/n mode, and Radio 2 operates in the IEEE 802.11a/n mode. The difference between these modes is the frequency in which they operate. IEEE 802.11b/g/n operates in the 2.4 GHz frequency, and IEEE 802.11a/n operates in the 5 GHz frequency of the radio spectrum.

[More...](#)

Select the required profile and click on Configure SSID.

Product Page: DWC-1000 Hardware Version: A1 Firmware Version: 4.1.0.2_10204W

D-Link

DWC-1000 // SETUP ADVANCED TOOLS STATUS HELP

Global Peer Controllers AP Profile SSIDs WIDS Security Captive Portal Client IPv6 Routing Certificates Users IP/MAC Binding Radius Settings WLAN Radius Switch Settings

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	Configured
<input checked="" type="checkbox"/>	2-1stFloor	Associated - Modified
<input type="checkbox"/>	3-2ndFloor	Configured

Edit Delete Add Copy Apply

Configure Radio **Configure SSID** Configure QoS

WIRELESS CONTROLLER

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Helpful Hints...
You can create multiple AP profiles on the Unified Wireless Controller to customize APs based on location, function, or other criteria. Profiles are like templates, and once you create an AP profile, you can apply that profile to any AP that the Unified Wireless Controller manages.
[More...](#)

Select any SSID from the list and click on Edit.

192.168.10.1/profile_vap_summ.html

AP Profile VAP Configuration

AP Profile: AP Profile 2-1stFloor

Radio Mode: 1-802.11a/n 2-802.11b/g/n

List of SSID

<input type="checkbox"/>	Network	VLAN	Hide SSID	Security	Redirect
<input checked="" type="checkbox"/>	1 - F1-Staff	1-default	Disabled	WPA Personal	None
<input checked="" type="checkbox"/>	2 - F1-Guest	1-default	Disabled	WPA Personal	HTTP
<input type="checkbox"/>	3 - F2-Staff	1-default	Disabled	WPA Personal	None
<input type="checkbox"/>	4 - F2-Guest	1-default	Disabled	WPA Personal	None
<input type="checkbox"/>	5 - dlink5	1-default	Disabled	None	None
<input type="checkbox"/>	6 - dlink6	1-default	Disabled	None	None
<input type="checkbox"/>	7 - dlink7	1-default	Disabled	None	None
<input type="checkbox"/>	8 - dlink8	1-default	Disabled	None	None
<input type="checkbox"/>	9 - dlink9	1-default	Disabled	None	None
<input type="checkbox"/>	10 - dlink10	1-default	Disabled	None	None
<input type="checkbox"/>	11 - dlink11	1-default	Disabled	None	None
<input type="checkbox"/>	12 - dlink12	1-default	Disabled	None	None
<input type="checkbox"/>	13 - dlink13	1-default	Disabled	None	None
<input type="checkbox"/>	14 - dlink14	1-default	Disabled	None	None
<input type="checkbox"/>	15 - dlink15	1-default	Disabled	None	None
<input type="checkbox"/>	16 - dlink16	1-default	Disabled	None	None

Edit

Modify the SSID name and enable the required security settings. Save Settings.

The screenshot shows the 'NETWORKS' configuration page in a web browser. The browser address bar shows '192.168.10.1/profile_vap_summ.html'. The page has a left sidebar with navigation options: Peer Controllers, AP Profile, SSIDs, WIDS Security, Captive Portal, Client, IPv6, Routing, Certificates, Users, IP/MAC Binding, Radius Settings, WLAN Radius, and Switch Settings. The main content area is titled 'NETWORKS' and includes a 'LOGOUT' link. Below the title is a descriptive paragraph: 'Each network is identified by its Service Set Identifier (SSID), which is an alphanumeric key that identifies a wireless local area network. You can configure up to 64 different networks on the Unified Wireless Controller.' Below this are two buttons: 'Save Settings' and 'Don't Save Settings'. The configuration fields are as follows:

SSID	F1-Guest
Hide SSID	<input type="checkbox"/>
Ignore Broadcast	<input type="checkbox"/>
VLAN	1 (1 to 255)
MAC Authentication	<input type="radio"/> Local <input type="radio"/> RADIUS <input checked="" type="radio"/> Disable
Redirect	<input type="radio"/> None <input checked="" type="radio"/> HTTP
Redirect URL	http://www.dlink.c
Wireless ARP Suppression Mode	Disable
L2 Distributed Tunneling Mode	Disable
RADIUS Authentication Server Name	Default-RADIUS-Server
RADIUS Authentication Server Status	Not Configured
RADIUS Accounting Server Name	Default-RADIUS-Server
RADIUS Accounting Server Status	Not Configured
RADIUS Use Network Configuration	Enable
RADIUS Accounting	<input type="checkbox"/>
Security	<input type="radio"/> None <input type="radio"/> WEP <input checked="" type="radio"/> WPA/WPA2 <input checked="" type="radio"/> WPA Personal <input type="radio"/> WPA Enterprise
WPA Versions	<input checked="" type="checkbox"/> WPA <input checked="" type="checkbox"/> WPA2
WPA Ciphers	<input checked="" type="checkbox"/> TKIP <input checked="" type="checkbox"/> CCMP(AES)
WPA Key Type	ASCII
WPA Key	secretkey
Bcast Key Refresh Rate	300 (0 to 86400)

On the right side of the page, there is a help text: 'Each network can have a unique SSID, or you can configure multiple networks with the same SSID. Use Hide SSID to hide the SSID broadcast to discourage stations from automatically discovering your access point.' Below this is a 'More...' link.

Repeat for other SSID's and leave the required SSID's selected in the AP profile.

- Captive Portal
- Client
- IPv6
- Routing
- Certificates
- Users
- IP/MAC Binding
- Radius Settings
- WLAN Radius
- Switch Settings

AP Profile VAP Configuration

AP Profile: AP Profile 2-1stFloor
Radio Mode: 1-802.11a/n
 2-802.11b/g/n

List of SSID

	Network	VLAN	Hide SSID	Security	Redirect
<input checked="" type="checkbox"/>	1 - F1-Staff	1-default	Disabled	WPA Personal	None
<input checked="" type="checkbox"/>	2 - F1-Guest	1-default	Disabled	WPA Personal	HTTP
<input checked="" type="checkbox"/>	3 - F2-Staff	1-default	Disabled	WPA Personal	None
<input checked="" type="checkbox"/>	4 - F2-Guest	1-default	Disabled	WPA Personal	None
<input type="checkbox"/>	5 - dlink5	1-default	Disabled	None	None
<input type="checkbox"/>	6 - dlink6	1-default	Disabled	None	None
<input type="checkbox"/>	7 - dlink7	1-default	Disabled	None	None
<input type="checkbox"/>	8 - dlink8	1-default	Disabled	None	None
<input type="checkbox"/>	9 - dlink9	1-default	Disabled	None	None
<input type="checkbox"/>	10 - dlink10	1-default	Disabled	None	None
<input type="checkbox"/>	11 - dlink11	1-default	Disabled	None	None
<input type="checkbox"/>	12 - dlink12	1-default	Disabled	None	None
<input type="checkbox"/>	13 - dlink13	1-default	Disabled	None	None
<input type="checkbox"/>	14 - dlink14	1-default	Disabled	None	None
<input type="checkbox"/>	15 - dlink15	1-default	Disabled	None	None
<input type="checkbox"/>	16 - dlink16	1-default	Disabled	None	None

Edit

Connect your Access Points to LAN. Go to Status > Access Point > Authentication Failure Status.

Product Page: DWC-1000 Hardware Version: A1 Firmware Version: 4.1.0.2_10204W

D-Link

DWC-1000 // SETUP ADVANCED TOOLS STATUS HELP

Dashboard
Global Info
Device Info
Access Point Info
LAN Clients Info
Wireless Client Info
Logs
Traffic Monitor
Active Sessions

AP AUTHENTICATION FAILURE STATUS LOGOUT

The AP authentication failure list shows information about APs that failed to establish communication with the controller.

APs Summary
Managed AP Status
In Failure APs

IP Address	Last Failure Type	Age
192.168.10.102	No Database Entry	0d:00:00:06
192.168.10.101	No Database Entry	0d:00:00:36
192.168.10.100	No Database Entry	0d:00:00:06

Delete All Manage View Details Refresh

WIRELESS CONTROLLER

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192.168.10.1/managed_apfailure_status_summ.html

Helpful Hints...
An AP might fail to associate to the controller due to errors such as invalid packet format or vendor ID, or because the AP is not configured as a valid AP with the correct local or RADIUS authentication information.
More...

Select an AP and click Manage. Select the desired profile for the Access Point. Save Settings. Repeat for remaining AP's.

Product Page: DWC-1000 Hardware Version: A1 Firmware Version: 4.1.0.2_10204W

D-Link

DWC-1000 // SETUP ADVANCED TOOLS STATUS HELP

Wizard
WLAN Global Settings
AP Management
Option Port Settings
Network Settings
LAN QoS
GVRP
VLAN Settings
USB Settings

VALID AP LOGOUT

We can set the Valid Access Point Configuration here.

Save Settings Don't Save Settings

Valid Access Point Configuration

MAC address: 28:10:7b:fc:a3:00
AP Mode: Managed
Location:
Authentication Password: Edit
Profile: 2 - 1stFloor
Expected SSID:
Expected Channel: Any
Expected WDS Mode: Any
Expected Security Mode: Any
Expected Wired Network Mode: Allowed

Radio 1 - 802.11a/n
Channel: Auto
Power: 0

Radio 2 - 802.11b/g/n
Channel: Auto
Power: 0

Helpful Hints...
We can configure Valid Access Point here. Several information is attached with AP, like MAC Address, AP Mode etc.
More...

D-Link: Wireless Controller x

192.168.10.1/managed_apfailure_status_summ.html

Product Page: DWC-1000 Hardware Version: A1 Firmware Version: 4.1.0.2_10204W

D-Link

DWC-1000 // SETUP ADVANCED TOOLS STATUS HELP

Dashboard Global Info Device Info Access Point Info LAN Clients Info Wireless Client Info Logs Traffic Monitor Active Sessions

AP AUTHENTICATION FAILURE STATUS LOGOUT

The AP authentication failure list shows information about APs that failed to establish communication with the Unified Wireless Controller.

List of Authentication Failure APs

	MAC Address	IP Address	Last Failure Type	Age
<input checked="" type="checkbox"/>	28:10:7b:fc:a3:00	192.168.10.102	No Database Entry	0d:00:00:06
<input type="checkbox"/>	fc:75:16:75:c9:00	192.168.10.101	No Database Entry	0d:00:00:36
<input type="checkbox"/>	fc:75:16:76:11:40	192.168.10.100	No Database Entry	0d:00:00:06

Delete All Manage View Details Refresh

Helpful Hints... An AP might fail to associate to the controller due to errors such as invalid packet format or vendor ID, or because the AP is not configured as a valid AP with the correct local or RADIUS authentication information. More...

WIRELESS CONTROLLER

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The page at 192.168.10.1 says:

The following AP MAC address was configured as a Valid AP by this Controller. The AP configured as managed, will be managed at the next discovery cycle: 28:10:7b:fc:a3:00

OK

The list of managed AP's can be seen under Access Point Info > Managed AP Status.

Product Page: DWC-1000 Hardware Version: A1 Firmware Version: 4.1.0.2_10204W

D-Link

DWC-1000 // SETUP ADVANCED TOOLS STATUS HELP

Dashboard ▶
Global Info ▶
Device Info ▶
Access Point Info ▷ APs Summary
LAN Clients Info ▶ Managed AP Status
Wireless Client Info ▶ Authentication Failure Status
Logs ▶ AP RF Scan Status
Traffic Monitor ▶ AP De-Authentication Attack Status
Active Sessions ▶

MANAGED AP STATUS LOGOUT

Show all the details of managed AP.

Peer	IP Address	Age	Status	Profile	Radio Interface
3:00	192.168.10.100	0d:00:00:01	Managed	2-1stFloor	2-802.11b/g/n
9:00	192.168.10.101	0d:00:00:04	Managed	2-1stFloor	1-802.11a/n, 2-802.11b/g/n
1:40	192.168.10.102	0d:00:00:02	Managed	2-1stFloor	1-802.11a/n, 2-802.11b/g/n

View AP Details View Radio Details View Neighbor APs

View Neighbor Clients View VAP Details View Distributed Tunneling Details

Delete Delete All Refresh

WIRELESS CONTROLLER

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192.168.10.1/managed_ap_status.html

Helpful Hints...
We can see all the details related to a managed AP here. We can perform action like reset, disassociate clients connected with selected AP.
More...

~ End of document