

# CBW Firmware Update 10.6.1.0 Minor Feature Changes

## Objective

This article will explain some minor feature changes that come with firmware version 10.6.1.0 on your Cisco Business Wireless (CBW) network.

## Applicable Devices | Software Version

- Cisco Business Wireless 140AC ([Data Sheet](#)) | 10.6.1.0 ([Download latest](#))
- Cisco Business Wireless 145AC ([Data Sheet](#)) | 10.6.1.0 ([Download latest](#))
- Cisco Business Wireless 240AC ([Data Sheet](#)) | 10.6.1.0 ([Download latest](#))

## Introduction

It is important to always run the latest version of firmware running on your CBW mesh network. Click the links above to download the latest firmware for your Access Points (APs). [Click if you would like step-by-step instructions on doing a firmware update.](#)

Starting with firmware version 10.6.1.0 there are some changes to note.

This article addresses the following Minor Feature Changes:

- [Rogue AP Enable/Disable](#)
- [Bonjour Update](#)
- [Social Login Separation](#)
- [Mesh Extender Signal Strength for Neighbors](#)
- [Client Host Name Field](#)
- [CBW Feature Request](#)

There are Major Feature Changes that you can learn about by clicking any of the links below:

- [Personal Shared Key](#)
- [Mesh Role Selection](#)
- [Custom Certificate Upload](#)
- [Multicast to Unicast](#)

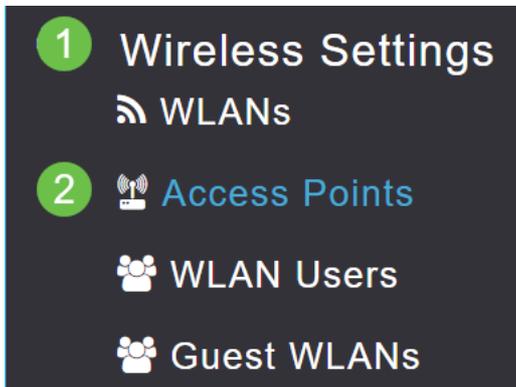
## Minor Feature Updates

### Rogue AP Detection

In prior firmware versions, rogue AP detection was enabled by default, and it could not be disabled. Once you upgrade to firmware version 10.6.1.0, you can enable or disable rogue AP detection. This is done on an AP-by-AP basis, including Mesh Extenders (MEs).

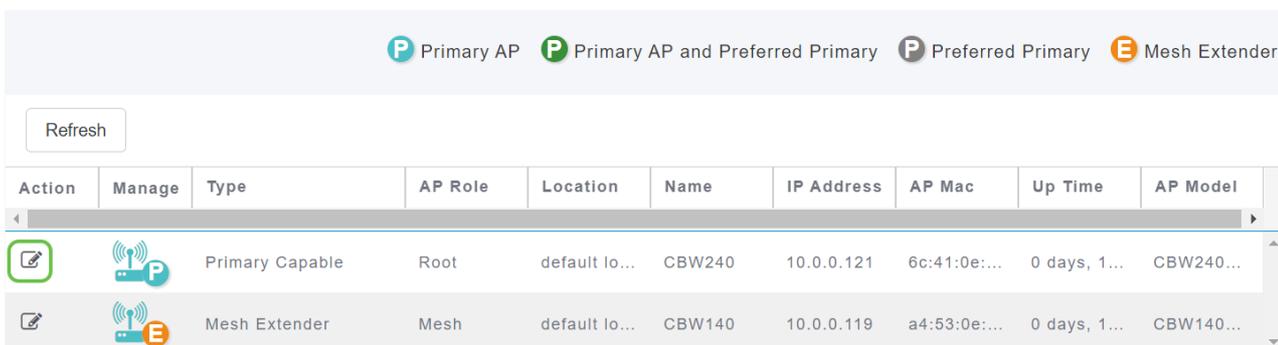
## Step 1

To access this option, go to **Wireless Settings > Access Points**.



## Step 2

Click the **edit icon** next to the AP or ME you wish to configure.

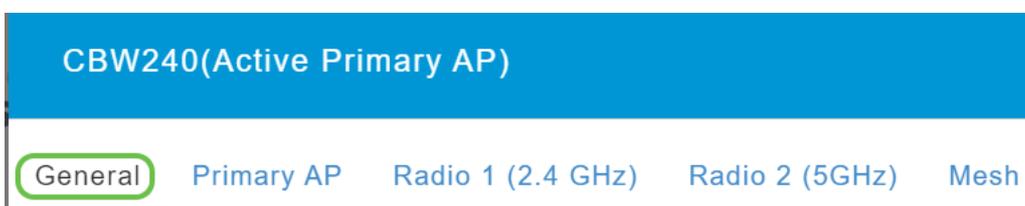


A screenshot of the 'Access Points' configuration page. At the top, there are four status icons: a blue circle with 'P' for 'Primary AP', a green circle with 'P' for 'Primary AP and Preferred Primary', a grey circle with 'P' for 'Preferred Primary', and an orange circle with 'E' for 'Mesh Extender'. Below these is a 'Refresh' button. The main part of the page is a table with the following columns: Action, Manage, Type, AP Role, Location, Name, IP Address, AP Mac, Up Time, and AP Model. The table contains two rows: one for a 'Primary Capable' AP (CBW240) and one for a 'Mesh Extender' (CBW140). Both rows have an edit icon in the 'Action' column.

Action	Manage	Type	AP Role	Location	Name	IP Address	AP Mac	Up Time	AP Model
		Primary Capable	Root	default lo...	CBW240	10.0.0.121	6c:41:0e:...	0 days, 1...	CBW240...
		Mesh Extender	Mesh	default lo...	CBW140	10.0.0.119	a4:53:0e:...	0 days, 1...	CBW140...

## Step 3

A pop-up will appear with the *General* tab open.



## Step 4

Scroll down to *Rogue Detection* and toggle to turn it off or on.

Rogue Detection  ? 1

Set as Preferred Primary

To apply change in Preferred Primary setting, save configuration and reset Primary AP.

2

When upgrading a CBW deployment to firmware 10.6.1.0, Rogue AP Detection will be turned on (as it would have been enabled on the previous firmware). If an AP or ME is factory reset after it's been upgraded to 10.6.1.0, this Rogue AP Detection will be disabled.

## Bonjour Update

Bonjour Protocol is now active prior to Day Zero Setup. This was added to improve support for the Cisco Business Dashboard and other management software to assist in initial deployments and discovery. There is nothing to be configured for this feature, but to view or change the status, follow the few steps listed below.

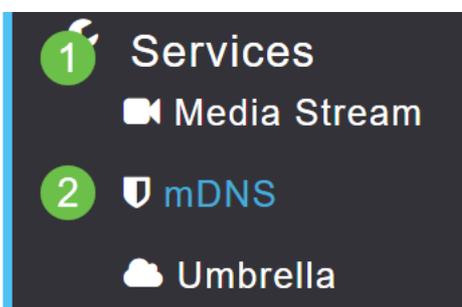
### Step 1

Log into the Web UI of your CBW Primary AP. Click on the **light green arrows** in the upper right-hand corner of the Web User Interface (UI) to enter *Expert View*.



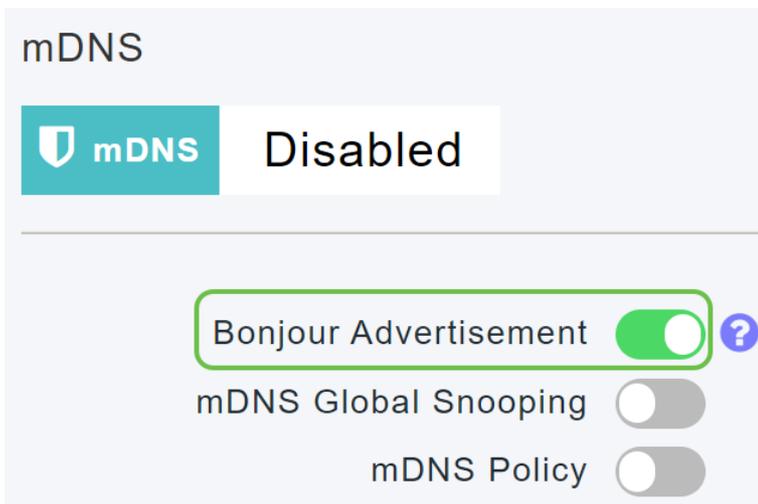
### Step 2

Navigate to **Services > mDNS**.



### Step 3

Here you can toggle *Bonjour Advertisement* on or off.

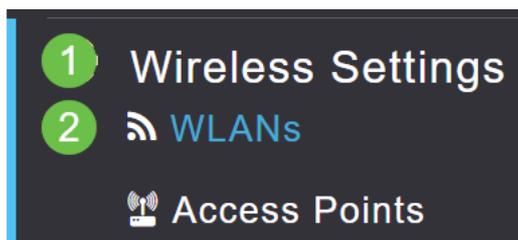


## Social Login Separation

Guest networks using social logins can now select the social media Login authentication desired. Starting with firmware version 10.6.1.0 and moving forward, you can enable just Facebook authentication, just Google Authentication, or both.

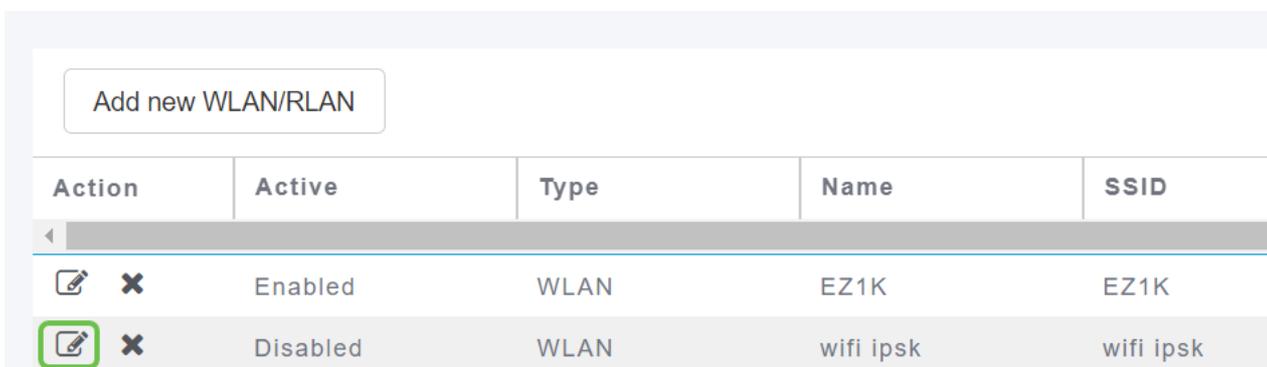
### Step 1

Navigate to **Wireless Settings > WLANs**.



### Step 2

Click the **edit icon** next to the WLAN to be configured.



### Step 3

Click the **WLAN Security** tab. Enable the Guest Network and then select **Social Login** from the drop-down list for the access type. Lastly, use the toggles to enable or disable the social logins as desired.

1

Guest Network  2

Captive Network Assistant

MAC Filtering  ?

Captive Portal Internal Splash Page ▼

Access Type Social Login ▼ 3

4 Facebook  Google

ACL Name(IPv4) None ▼ ?

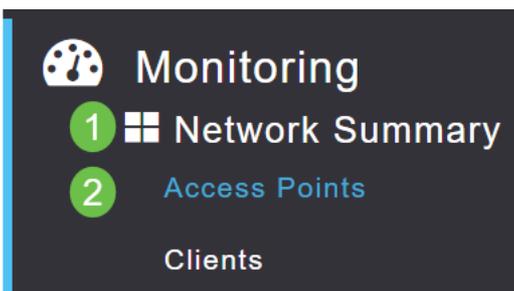
ACL Name(IPv6) None ▼ ?

## Mesh Extender Signal Strength for Neighbors

To assist with better placement, failover, and planning, the Mesh Extender properties now display the closest three Access points to each Mesh Extender and their Signal to Noise Ratios.

### Step 1

Under Monitoring, select **Network Summary > Access Points**.



### Step 2

Click on an Access Point.

AP Name	Role	Type	Clie...	Usage	Uptime
CBW240		Primary AP	0	101.8 MB	1 days, 10 h 47 m ..
CBW140		Mesh Exten...	0	11.0 MB	1 days, 10 h 47 m ...

### Step 3

A new window opens where you can see the three closest APs to each Mesh Extender and their Signal to Noise Ratios.

**Monitoring**

- Network Summary
  - Access Points
  - Clients
  - Guest Clients
  - Mesh Extender
- Applications
- Rogues
  - Access Points
  - Clients
- Interferers
- Wireless Dashboard
  - AP Performance
  - Client Performance
- Wireless Settings
- Management
- Services

### Access Point View

**GENERAL**



AP Name  
**AP68CA.E46E.1650**

Location  
**default location**

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MAC Address	68:ca:e4:6e:16:50
Base Radio MAC	68:ca:e4:6e:be:40
IP Address	172.16.1.147
Ethernet Speed	AUTO
Model / Domain	CBW142ACM-B-xx / 802.11bg-A 802.11a-B
Parent MAC	6c:71:0d:54:02:a4
Nearest APs	<div style="border: 1px solid green; padding: 5px; margin-bottom: 5px;">  AP6C71.0D12.1DAC(Link-SNR: 65) </div> <div style="border: 1px solid green; padding: 5px; margin-bottom: 5px;">  AP6C71.0D54.02A4(Link-SNR: 25) </div> <div style="border: 1px solid green; padding: 5px;">  AP6C71.0D12.1CE0(Link-SNR: 24) </div>
Power status	AC / Full Power
Serial Number	
Max Capabilities	802.11n 2.4GHz, 802.11ac 5GHz Spatial Streams : 2 (2.4GHz), 2 (5.0GHz) Max. Data Rate : 144 Mbps(2.4GHz), 867 Mbps(5.0GHz)
Tech Support	<div style="display: flex; gap: 10px;"> <span style="background-color: #4CAF50; color: white; padding: 2px 10px; border-radius: 5px;">Start</span> <span style="background-color: #4CAF50; color: white; padding: 2px 10px; border-radius: 5px;">Download</span> </div>

### Client Host Name Field

The Host Name is now easier to view.

### Step 1

Under Monitoring, navigate to **Network Summary > Clients**.

**Monitoring**

- 1 **Network Summary**
  - Access Points
  - Clients**

## Step 2

The *Host Name* is displayed on this page.

User Name ▼	AP Name ▼	Protocol ▼	Host Name ▼	Client Type ▼
Unknown	CBW240	802.11ac	-VGF...	Microsoft-Workst...
Unknown	CBW240	802.11n	Galaxy-Tab-S7	Android
Unknown	CBW240	802.11ac	-MBP	Unclassified

## CBW Feature Request

Ever wish a feature could be added for Cisco Business Wireless? Here is your chance to make that wish come true!

### Step 1

In the upper right-hand corner of the Web User UI, there is a **mail icon** that is used for submitting feedback or new feature requests.



### Step 2

When the mail icon is clicked, a pop-up message states this is for feature requests only and not for support. Upon clicking the **OK** button, an email template will be created using the local email client.

This is for feature request not for support



### Step 3

Simply fill out the feature that you would like to see added to CBW and send the email off to us!

To: CiscoBusinessWireless@cisco.com;

## CBW Feature Request

This is for feature request not for support

Timestamp: Tue Aug 24 09:54:02 2021

Software release: 10.0.252.41

Primary AP PID: CBW240AC-B

Number of APs: 2

Number of WLANs: 3

2.4GHz active clients: 0

5GHz active clients: 5

Uptime: 1 day, 11 hours, 48 minutes

Sent from [Mail](#) for Windows

## Conclusion

These are some of the minor feature changes that are implemented when you upgrade to firmware version 10.6.1.0 and later.