

Enable Band Steer on a Wireless Access Point

Objective

Band steering is a feature that enables your dual-band devices to detect higher radio frequency of 5 GHz band and allows the device to automatically transmit on that band. Because the 2.4 GHz band is an early technology developed for Wi-Fi, it is often congested and experiences interference from different devices such as Bluetooth, and even microwave ovens. This feature allows your dual-band access point to steer and direct devices to a more optimal radio frequency, thus, improving network performance.

Important: If your Virtual Access Point (VAP) is configured with time-sensitive voice or video traffic, it is not encouraged to enable band steer.

This document provides the steps to enable and disable band steering on a wireless access point.

Applicable Devices

- WAP100 Series – WAP131, WAP150
- WAP300 Series – WAP351, WAP361, WAP371
- WAP500 Series – WAP571, WAP571E

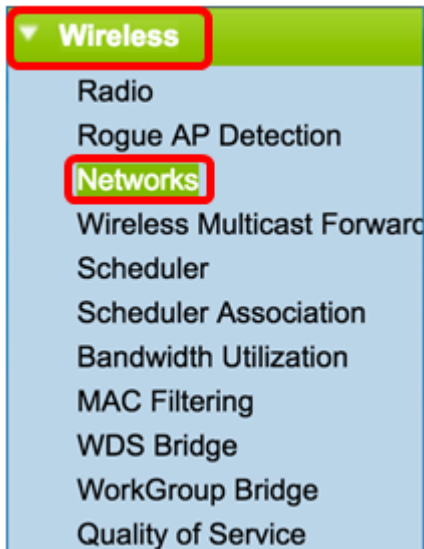
Software Version

- 1.0.1.4 – WAP131, WAP351
- 1.2.1.3 – WAP371
- 1.0.1.2 – WAP150, WAP361
- 1.0.0.17 – WAP571, WAP571E

Enable Band Steer

Step 1. Log in to the web-based utility, and choose **Wireless > Networks**.

Note: The menu options in the image below may vary depending on the model of the device you are using. WAP361 is used as an example.



Step 2. Click the radio button for the 2.4 GHz radio interface.

Note: Radio interface options may vary depending on the WAP model. Some WAPs show Radio 1 as 2.4 GHz while some have Radio 2 as 2.4 GHz.

For WAP131, WAP150, WAP351, and WAP361, click Radio 1 (2.4 GHz).

A screenshot of the 'Networks' configuration page. At the top, the title 'Networks' is displayed. Below the title, a text instruction reads: 'Select the radio interface first, and then enter the configuration parameters.' Underneath, the 'Radio:' section contains two radio buttons: 'Radio 1 (2.4 GHz)' which is selected, and 'Radio 2 (5 GHz)'. Below this is a table titled 'Virtual Access Points (SSIDs)'. The table has columns for 'VAP No.', 'Enable', 'VLAN ID', and 'SSID Name'. The 'VLAN ID' column includes a link 'Add New VLAN'. The first row shows 'VAP No.' as 0, 'Enable' as checked, 'VLAN ID' as 1, and 'SSID Name' as 'cisco'. At the bottom of the table are 'Add', 'Edit', and 'Delete' buttons. A 'Save' button is located at the bottom of the entire configuration area.

For WAP371, WAP571, and WAP571E, click Radio 2 (2.4 GHz).

Networks

Select the radio interface first, and then enter the configuration parameters.

Radio: Radio 1 (5 GHz) Radio 2 (2.4 GHz)

Virtual Access Points (SSIDs)				
	VAP No.	Enable	VLAN ID Add New VLAN	SSID Name
<input type="checkbox"/>	0	<input checked="" type="checkbox"/>	1	cisco

Step 3. Under Virtual Access Points (SSIDs), check the check box from either default VAPs check boxes.

Note: For this example, cisco is used as the SSID Name.

Networks

Select the radio interface first, and then enter the configuration parameters.

Radio: Radio 1 (2.4 GHz) Radio 2 (5 GHz)

Virtual Access Points (SSIDs)				
	VAP No.	Enable	VLAN ID Add New VLAN	SSID Name
<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	1 ▼	cisco

Step 4. Click **Edit** to modify settings.

Networks

Select the radio interface first, and then enter the configuration parameters.

Radio: Radio 1 (2.4 GHz)
 Radio 2 (5 GHz)

Virtual Access Points (SSIDs)

	VAP No.	Enable	VLAN ID Add New VLAN	SSID Name
<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	1 ▼	cisco

Add

Edit

Delete

Save

Step 5. Check the **Band Steer** check box to enable band steering.

Note: To disable Band Steer, uncheck the check box.

SSID Broadcast	Security	MAC Filter	Channel Isolation	Band Steer
<input checked="" type="checkbox"/>	WPA Personal ▼	Disabled ▼	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Show Details				

Step 6. Click **Save**.

Networks

Select the radio interface first, and then enter the configuration parameters.

Radio: Radio 1 (2.4 GHz)
 Radio 2 (5 GHz)

Virtual Access Points (SSIDs)

	VAP No.	Enable	VLAN ID Add New VLAN	SSID Name
<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	1 ▼	<input type="text" value="cisco"/>

This configuration should enable and propagate band steer on your access point.