



Monitor Mode

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Introduction to Monitor Mode

To optimize the monitoring and location calculation of RFID tags, you can enable tracking optimization on up to four channels within the 2.4-GHz band of an 802.11b/g/x access point radio. This feature allows you to scan only the channels on which tags are usually programmed to operate (such as channels 1, 6, and 11).



Note You can move an AP to a particular mode (sensor mode to local mode or flex mode) using the site tag with the corresponding mode. If the AP is not tagged to any mode, it will fall back to the mode specified in the default site tag.

You must use clear in AP mode to return the AP back to client-serving mode, for example the local mode or FlexConnect mode depending on the remote site tag configuration.

Enable Monitor Mode (GUI)

Procedure

- Step 1** Choose **Configuration** > **Wireless** > **Access Points**.
 - Step 2** In the **Access Points** page, expand the **All Access Points** section and click the name of the AP to edit.
 - Step 3** In the **Edit AP** page, click the **General** tab and from the **AP Mode** drop-down list, choose **Monitor**.
 - Step 4** Click **Update & Apply to Device**.
 - Step 5** Choose the mode for the AP as **clear** to return the AP back to the client-serving mode depending on the remote site tag configuration.
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Enable Monitor Mode (CLI)

Procedure

	Command or Action	Purpose
Step 1	ap name <i>ap-name</i> mode monitor Example: Device# ap name 3602a mode monitor	Enables monitor mode for the access point.
Step 2	ap name <i>ap-name</i> monitor tracking-opt Example: Device# ap name 3602a monitor tracking-opt	Configures the access point to scan only the Dynamic Channel Assignment (DCA) channels supported by its country of operation.
Step 3	ap name <i>ap-name</i> monitor-mode dot11b fast-channel [first-channel second-channel third-channel fourth-channel] Example: Device# ap name 3602a monitor dot11b 1 2 3 4	Chooses up to four specific 802.11b channels to be scanned by the access point. In the United States, you can assign any value from 1 to 11 (inclusive) to the channel variable. Other countries support additional channels. You must assign at least one channel.
Step 4	ap name <i>ap-name</i> dot11 6ghz slot 3 radio role manual monitor Example: Device# ap name cisco-ap dot11 6ghz slot 3 radio role manual monitor	slot 3 radio role manual monitor Configures the 802.11 6-GHz radio role manual monitor
Step 5	show ap dot11 {24ghz 5ghz 6ghz} channel Example: Device# show ap dot11 5ghz channel	Shows configuration and statistics of 802.11a or 802.11b or 6-GHz channel assignment.
Step 6	show ap dot11 6ghz summary Example: Device# show ap dot11 6ghz summary	Shows configuration and statistics summary of 6 the GHz band Cisco APs.