



Audio Detection App

This chapter provides information about the Audio Detection app for Cisco IP cameras. This app triggers an event based on noise that exceeds a set volume threshold.

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About the Audio Detection App

The Audio Detection app triggers an event when it detects noise that exceeds a set volume threshold. The IP camera sets this threshold automatically by analyzing audio that it detects from its microphone during the first few seconds after you start this app. The average audio level that the camera detects during this time becomes the volume threshold.

Configuring the Audio Detection App on an IP Camera

Before you can use the Audio Detection app, you must configure it on each IP camera on which it will run. To configure this app, perform the following steps.

Before You Begin

Install the Audio Detection app on the IP camera on which it will run. See the [“Related Documentation” section on page 1-1](#) for more information.

Procedure

- Step 1** From the IP camera web-based user interface, click the **Setup** link, click **Application Manager** to expand the menu, then click **App Setup**.
- Step 2** Click the **AudioDetection** radio button, then click **Configure**.
The Cisco Audio Detection Application configuration page appears.

- Step 3** Enter appropriate values in the Cisco Audio Detection Application page fields as described in the following table:

Field	Description
Audio Threshold Level	Choose the relative audio threshold level that, when exceeded, causes the app to trigger an event.
Enable Debug	Check to create an audio file for debugging purposes. For more information, see the “Exporting an Audio File for Debugging the Audio Detection App” section on page 3-3.
Audio Frames to Record	Available only if you check the Enable Debug check box. Enter the number of audio frames to be recorded in an audio file for debugging. The default value is 512.

- Step 4** Click the **Save** button in the Cisco Audio Detection Application configuration page, and then click **OK** in the confirmation dialog box.

If you want to reset the options in the Cisco Audio Detection Application configuration page to their default values, click the **Reset** button, click **OK** in the two dialog boxes that appear, click the **Save** button, and then click **OK** in the confirmation dialog box.

If you change configuration values while the Audio Detection app is running, you must stop and then restart the app before the changes take effect.

Running the Audio Detection App

To run the Audio Detection app on an IP camera, perform the following steps:

Procedure

- Step 1** From the IP camera web-based user interface, click the **Setup** link, click **Application Manager** to expand the menu, then click **App Setup**.
- Step 2** Click the **AudioDetection** radio button.
- Step 3** (Optional) If you want the Audio Detection app to run automatically each time the IP camera reboots, in the Installed Application List area, check the **Start on Boot** check box that corresponds to this app.
If you do not check this check box, you must run the app manually each time the IP camera reboots.
- Step 4** Click the **Run** button.

Stopping the Audio Detection App

To stop the Audio Detection app on an IP camera, follow these steps:

Procedure

- Step 1** From the IP camera web-based user interface, click the **Setup** link, click **Application Manager** to expand the menu, then click **App Setup**.
 - Step 2** Click the **AudioDetection** radio button.
 - Step 3** Click the **Stop** button.
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Exporting an Audio File for Debugging the Audio Detection App

The export audio feature lets you create an audio file that you can export and provide to a Cisco support representative if requested for troubleshooting the Audio Detection app.

To export an audio file for debugging the Audio Detection app, follow these steps:

Procedure

- Step 1** Run the Audio Detection app as described in the [“Running the Audio Detection App” section on page 3-2](#).
- Step 2** Click the **AudioDetection** radio button, then click **Configure**.
The Cisco Audio Detection Application configuration page appears.
- Step 3** Check the Enable Debug check box.
- Step 4** In the Audio Frames to Record field, enter the number of audio frames to be recorded in an audio file. Cisco recommends that you use the default value of 512.
- Step 5** Click **Export Recording** and follow the on-screen prompts to save the file.

If you export a recording without checking the Enable Debug check box, the system exports the recording file that is stored on the IP camera, or exports an empty file if no recording file is stored.
