Upgrading the SV-4K Firmware

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Note This module describes how to upgrade the firmware for an existing SV-4K deployment. If you are deploying an SV-4K media player for the first time, see the *Cisco StadiumVision SV-4K Media Player Deployment Guide*.

The SV-4K firmware is not provisioned the same way as the Cisco DMP 4310G. The primary difference is that the SV-4K firmware upgrade is not initiated from the Management Dashboard, but is done automatically when the SV-4K device starts up or reboots.

Each time the SV-4K device is powered on or reboots, a compliance check is done against the firmware that is loaded on the device against the Cisco StadiumVision Director auto-registration settings. If the firmware versions do not match, the SV-4K initiates a firmware upgrade automatically.

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Prerequisites

Before you upgrade the DMP firmware, be sure that the following requirements are met:

- You have read the *Cisco StadiumVision Release Notes for Release 4.0* to obtain the latest information and to verify the supported SV-4K firmware upgrade paths.
- The Connected Stadium switch is configured, including the required LLDP for proper POE+ operation.
- A DHCP server has been configured with required Option 60 and Option 43 properties.

For more information, see the *Cisco Connected Stadium Design Guide* available to qualified Cisco StadiumVision partners on ciscoet.com.

Provisioning Tasks

To provision the SV-4K firmware, complete the following tasks:

- Downloading the SV-4K Firmware, page 44 (required)
- Uploading the SV-4K Firmware to Cisco StadiumVision Director, page 44 (required)
- Configuring the SV-4K for Auto-Registration, page 45 (required)

Downloading the SV-4K Firmware

The SV-4K firmware image is not bundled with the Cisco StadiumVision Director software. You must download the firmware image separately from a password-protected site and then upload it to Cisco StadiumVision Director.

For information about how to download the SV-4K firmware, see the "How to Download SV-4K Firmware" document, available to qualified Cisco StadiumVision partners on ciscoet.com.

Tip Be sure to download the firmware to a device that you also can use to access the Cisco StadiumVision Director software.

Uploading the SV-4K Firmware to Cisco StadiumVision Director

After you have obtained the SV-4K firmware image from the external vendor, you must upload the image to Cisco StadiumVision Director.

Note You only go to the Firmware Upgrade page in the Management Dashboard to upload the SV-4K firmware. You *do not* run the command to provision the software on the SV-4K (like you do for the Cisco DMP 4310G). Each time the SV-4K device powers on or reboots, a compliance check is done against the firmware that is loaded on the device against the Cisco StadiumVision Director auto-registration settings. If the firmware versions do not match, the SV-4K initiates a firmware upgrade automatically.

To upload the SV-4K firmware, complete the following steps:

Step 1 From the device where you downloaded the SV-4K firmware, log into Cisco StadiumVision Director as an administrator.

Step 2 Go to the **Management Dashboard > DMP and TV Controls > DMP Install > Firmware Upgrade**.

Step 3 Select the SV-4K Parameters tab and click the upload icon.

Figure 1 SV-4K Firmware Upload
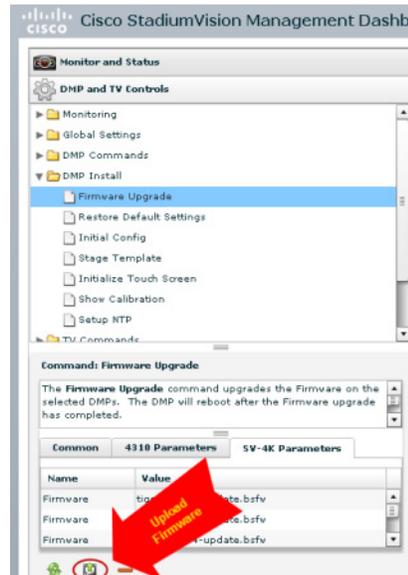
Step 4 Navigate to the SV-4K firmware image file and click **OK**.

An upload status string appears at the bottom of the screen that indicates when the firmware upload is complete.

Configuring the SV-4K for Auto-Registration

Before the firmware can be provisioned to the SV-4K media player, it must be uploaded to Cisco StadiumVision Director, and then configured in the auto-registration settings.

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Caution Once you have upgraded to firmware version 5.1.37.12 or later, do *not ever* downgrade to a preliminary 5.0.x version.

To configure the SV-4K for auto-registration, complete the following steps:

Step 1 From the Management Dashboard, go to:

SV Director Configuration > System Configuration > Auto Registration Settings.

Step 2 In the Configuration Property panel, find and configure the following properties (Figure 2):

- Firmware image to use (SV-4K)—Select from dropdown box.

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Tip If you have just uploaded the firmware image, you need to click the Refresh icon next to the drop-down box for the new file to appear.

- init.version (SV-4K)—Type the version.

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Note Be sure that you configure the "Firmware image to use" and "init.version" properties that are labeled for the SV-4K.

Figure 2 **SV-4K Auto-Registration Settings**

Step 3 Save the changes.

Step 4 Power on or reboot the SV-4K.

Verify the startup sequence. For more information on the startup sequence, see the *Cisco StadiumVision SV-4K Media Player Deployment Guide*.