



First Published: March 20, 2015 Revised: May 1, 2015

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.

Contents

- Prerequisites, page 43
- Provisioning Tasks, page 44

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.

......

StadiumVision

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.



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.

Monitor and	d Status				
DMP and T	/ Controls				
Monitoring					-
🕨 🗀 Global Sett	ings				
DMP Comn	nands				
DMP Instal	1				
🗋 Firmvar	e Upgrade				
Restore	Default Setting	98			
Initial C	onfig				
Stage T	emplate				
🗋 Initialize	e Touch Screen				- 4
Show Ca	alibration				- 1
Setup N	тр				- 1
TV Comma	inde	_			
Command: Firr	nware Upgrade				
The Firmware selected DMPs. has completed	Upgrade comm The DMP vill i	reboot	grades the F after the Firn	irmvare on t svare upgrad	he A je I v
Common	4310 Paramet	ters	SV-4K Para	meters	
Name	Value				
Firmvare	tig	at	e.bsfv		
	100 1	2 C			-
Firmvare	Uphowar		e.bstv		100

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.

/1\ Caution

I

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 D	irector Configuration > System Configuration > Auto Registration Settings.				
Step 2	In the	Configuration Property panel, find and configure the following properties (Figure 2):				
	• F	• Firmware image to use (SV-4K)—Select from dropdown box.				
	ρ					
	<u> </u>	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.

1



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

Monitor and Status	SV Director Configuration			
DMP and TV Controls	Configuration Property	Value		
Fivent Viewer	Enable Auto Registration	true		
	Enable Auto Provisioning	true		
SV Director Configuration	Automatically map DMP to location	no		
System Configuration (12)	Override manually mapped location	no		
SV Director Settings	Attempt to map to location during Health	no		
▶ 🚞 Global DMP Settings (3)	Polling			
Auto Registration Settings	Attempt to map to location during GetStatus	no		
▶ 🚞 Management Dashboard (10)	Maximum Provisioning attempts per DMP	3		
User Preferences	Firmware image to use (SV-4K)	tiger-5.1.52-eac3-update.bsfw		
Event Viewer	init.version (SV-4K)	5.1.52		
Notification Settings (1)	Firmware image to use (DMP-4310)	DMP4310-5.4.1-RB1-4544.fwimg		
▶ 🔁 Logging level (8)	init.version (DMP-4310)	5.4(1)RB(2P)		
▶ 🔄 System Tasks (1)	init.build	Mon Oct 6 07:03:30 PDT 2014 [b4652]		
Data Integration (2)	Ignore mibevt MIB variables	yes		
StadiumVision Remote				
Multiple Venue Configuration				

- **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*.