



# Upgrading the SV-4K and DMP-2K Firmware

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**Note:** This module describes how to upgrade the firmware for Cisco Vision Dynamic Signage Director Release 5.0. If you are deploying an SV-4K or DMP-2K media player for the first time, see also [Cisco Vision Deployment Guide for SV-4K and DMP-2K Media Players: Dynamic Signage Director](#).

**Caution:** Immediately after installing Cisco Vision Dynamic Signage Director Release 5.0, you must configure the new auto-registration settings in the Management Dashboard. Failure to perform this configuration can cause the media player to repeatedly boot.

The SV-4K and DMP-2K firmware is not provisioned the same way as the Cisco DMP 4310G. The primary difference is that the SV-4K and DMP-2K firmware upgrade is not initiated from the Management Dashboard, but is done automatically when the device starts up or reboots.

Each time the SV-4K or DMP-2K device is powered on or reboots, a compliance check is done against the firmware that is loaded on the device against the Cisco Vision Dynamic Signage Director auto-registration settings. If the firmware versions do not match, the device initiates a firmware upgrade automatically.

In Cisco StadiumVision Director Release 4.1 and later releases, the SV-4K and DMP-2K media players require that a minimum—or *base*—firmware version is provisioned before they can be upgraded to the *production* firmware version supported in Cisco Vision Dynamic Signage Director Release 5.0.

An auto-registration configuration requirement ensures that this required firmware upgrade sequence is automatically preserved for affected media players in the system.

With proper configuration, the system upgrades existing media player firmware to the pre-requisite or base firmware versions automatically before provisioning the production firmware version supported in Release 5.0.

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## Prerequisites

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

**Caution:** For initial deployment of a new DMP-2K, be sure that:

- No other accessories are attached to the DMP-2K.
- You are using standard Category 5e or 6 cabling up to 100 m in length.

## Provisioning Tasks

- You have read the [Release Notes for Cisco Vision Dynamic Signage Director Release 5.0](#) to obtain the latest information and to verify the supported SV-4K and DMP-2K 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.

## Provisioning Tasks

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

- [Downloading the SV-4K and DMP-2K Firmware, page 52](#) (required)
- [Uploading the SV-4K and DMP-2K Firmware to Cisco Vision Dynamic Signage Director, page 52](#) (required)
- [Configuring the SV-4K and DMP-2K for Auto-Registration, page 54](#) (required)

## Downloading the SV-4K and DMP-2K Firmware

The SV-4K and DMP-2K media player firmware image is not bundled with the Cisco Vision Dynamic Signage Director software.

**Note:** Be sure to download the firmware to a device that you also can use to access the Cisco Vision Dynamic Signage Director software.

## Downloading the SV-4K and DMP-2K Production Firmware

**To download the SV-4K and DMP-2K production firmware, go to:**

<https://www.brightsign.biz/downloads/dmp-firmware-download-6083-0516>

## Downloading the SV-4K and DMP-2K Base Firmware

If you do not already have one of the required base firmware versions uploaded to Cisco Vision Dynamic Signage Director, you must download the firmware image separately from a password-protected site and then upload it to Cisco Vision Dynamic Signage Director.

Contact your Cisco Systems representative for the “How to Download SV-4K Firmware” document, available to qualified Cisco StadiumVision partners.

## Uploading the SV-4K and DMP-2K Firmware to Cisco Vision Dynamic Signage Director

After you have obtained the SV-4K/DMP-2K firmware image from the external vendor, you must upload the image to Cisco Vision Dynamic Signage Director.

**Caution:** You must be sure that the following two firmware versions are uploaded to the Cisco Vision Dynamic Signage Director server:

**Base firmware version—5.1.68.1**

**Production firmware version—6.1.105 (Release 5.0.0-421 SP1 and later) or 6.1.96 (Release 5.0.0-320 and earlier)**



## Configuring the SV-4K and DMP-2K for Auto-Registration

Before the firmware can be provisioned to the SV-4K or DMP-2K media player, it must be uploaded to Cisco Vision Dynamic Signage Director, and then configured in the auto-registration settings.

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

1. From the Management Dashboard, go to:

**SV Director Configuration > System Configuration > Auto Registration Settings.**

2. In the Configuration Property panel, find and configure the following properties shown in and according to [Table 1 on page 55](#).

**Note:** Be sure that you configure both the “Firmware image to use” and “init.version” properties *and* the “Base firmware image to use” and “base.version” properties that are labeled for the SV-4K and DMP-2K.

- Firmware image to use (SV-4K, DMP-2K)—Select from dropdown box.
- init.version (SV-4K, DMP-2K)—Type the version.
- Base firmware image to use (SV-4K, DMP-2K)—Select from dropdown box.
- Base.version (SV-4K, DMP-2K)—Type the version.

**Note:** 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.

**Figure 2 Firmware Image and Version Properties Required to Provision the SV-4K and DMP-2K**

Dynamic Signage Director Configuration	
Configuration Property	Value
Enable Auto Registration	false
Enable Auto Provisioning	false
Automatically map DMP to location	yes
Override manually mapped location	no
Attempt to map to location during Health Polling	no
Attempt to map to location during GetStatus	no
Maximum Provisioning attempts per DMP	3
Firmware image to use (SV-4K, DMP-2K)	DMP-SV4K-6.1.96.bsfw
init.version (SV-4K, DMP-2K)	6.1.96
Base firmware image to use (SV-4K, DMP-2K)	DMP-SV4K-5.1.68.1.bsfw
base.version (SV-4K, DMP-2K)	5.1.68.1
Firmware image to use (DMP-4310)	
init.version (DMP-4310)	5.4(1)RB(2P
init.build	Mon Oct 6 0
Ignore mibevt MIB variables	yes

Production  
firmware fields

Use **6.1.105** for  
5.0 **SP1** and  
**later**

Prerequisite  
firmware fields

## Provisioning Tasks

**Table 1 Required Firmware Properties for the SV-4K and DMP-2K in Release 5.0**

Release Number	Firmware Property	Value for Release
5.0.0-421 (SP1) and later	Firmware image to use (SV-4K, DMP-2K)	DMP-SV4K-6.1.105.bsfw
	init.version (SV-4K, DMP-2K)	6.1.105
5.0.0-320 (and earlier)	Firmware image to use (SV-4K, DMP-2K)	DMP-SV4K-6.1.96.bsfw
	init.version (SV-4K, DMP-2K)	6.1.96
All 5.0 Releases	Base firmware image to use (SV-4K, DMP-2K)	If a prerequisite firmware is not already installed, upload and select the 5.1.68.1 firmware file.  <b>Note:</b> Contact your Cisco Systems representative for information about how to obtain the 5.1.68.1 firmware.
All 5.0 Releases	base.version (SV-4K, DMP-2K)	5.1.68.1

3. Save the changes.

4. Power on or reboot the SV-4K or DMP-2K.

Verify the startup sequence. For more information on the startup sequence, see the [Cisco Vision Deployment Guide for SV-4K and DMP-2K Media Players: Dynamic Signage Director](#).

