



# Verifying the Deployment of the Digital Media Player

**Series 2 DMPs: DMP-2K and SV-4K**

**Series 3 DMPs: CV-HD and CV-UHD**

**Series 4 DMPs: CV-HD2 and CV-UHD2**

This module includes the following topics:

- [Verifying the DMP Startup Sequence, page 61](#)
- [Startup Sequence Flow for the Digital Media Player, page 61](#)

## Verifying the DMP Startup Sequence

**Caution:** Before you power on the DMP device for the first time, be sure that you have completed the following configuration and tasks:

- **For initial deployment of a DMP, be sure that:**
  - No other accessories are attached to the DMP.
  - You are using standard Category 5e or 6 cables up to 100 m in length.
- **Switch configuration, including the required LLDP for proper PoE+ operation.**
- **DHCP server configuration.**
- **Firmware upload for your Cisco Vision Dynamic Signage Director release.**
- **Auto-registration settings for the DMP to properly provision its firmware.**
- **Multicast is enabled on the network**
- **NTP is operational**

When you have completed these deployment tasks, connect a new DMP device to the Cisco Vision Director network.




## Startup Sequence Flow for the Digital Media Player

[Table 1 on page 62](#) provides a summary of the tasks and related information to deploy the digital media player. This example is written using a DMP-2K device.


Startup Sequence Flow for the Digital Media Player

**Note:** The provisioning and registration process uses a random wait time to prevent large number of devices sending requests to the servers at the same time. As a result, the time for each DMP device to finish the startup sequence will be different.

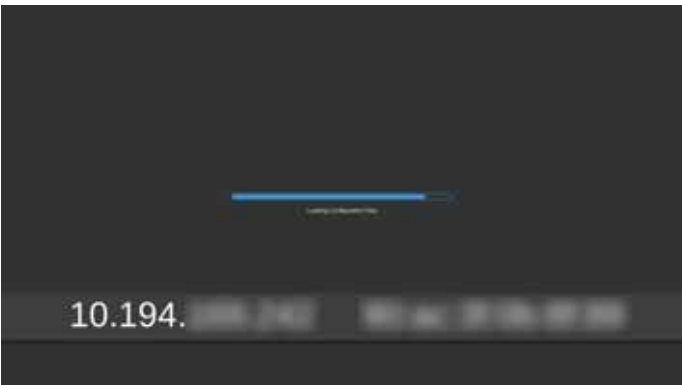
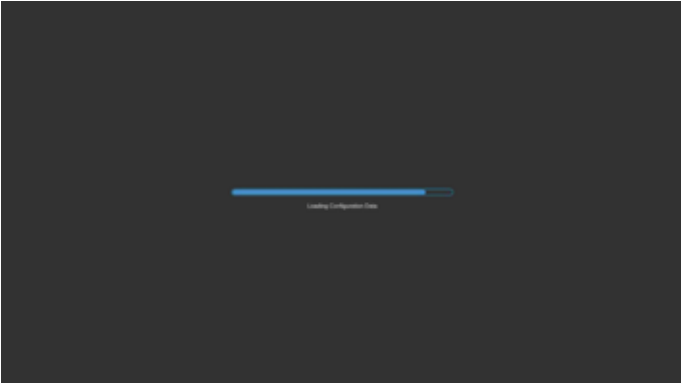

**Table 1 DMP Startup Task Sequence**

Startup Task	TV Display:
<p>DMP obtains IP address from DHCP server.</p> <p><b>Note:</b> If you have configured and enabled WiFi for a DMP, then an IP address is also acquired and displayed for the WiFi adapter.</p>	
<p>DMP contacts the Cisco Vision Dynamic Signage Director server.</p>	
<p>Err LED blinks for a short period (normal).</p> <p><b>Note:</b> If you have configured and enabled WiFi for a DMP, then the WiFi LED will flash and then remain steady. The Eth LED should be off.</p>	
<p>DMP reboots.</p>	<p><b>Caution:</b> During the initial provision process, or after factory reset, the DMP will reboot multiple times before completing the process. Do not interrupt. This can take several minutes.</p>

**Table 1 DMP Startup Task Sequence (continued)**

Startup Task	TV Display:
<p>Firmware upgrade message.  (As applicable—Only after the DMP has been initially deployed).</p>	<p>The following message appears if firmware upgrade is needed:</p> <p style="text-align: center;">Current system version is out of date. Restart and update!</p> <p>The device reboots to complete the upgrade process.</p> <p>The TV repeats display of the screens for obtaining the IP address from DHCP server and contacting Cisco Vision Dynamic Signage Director server again before bypassing the firmware upgrade step.</p>
<p>Firmware upgrade in progress.</p>	 <p>The image shows a dark screen with a horizontal progress bar in the center. Below the bar, the following text is displayed: BV-4KNA, X9K49K0001, and v6.0.7.</p>

**Table 1 DMP Startup Task Sequence (continued)**

Startup Task	TV Display:
<p>Configuration files from Cisco Vision Dynamic Signage Director server download.</p>	
<p>HTML runtime starts.</p>	
<p>Verify DMP device has registered in <b>Configuration &gt; Devices &gt; Locations &amp; DMPs</b>.</p>	 <p><b>Note:</b> If Location has not yet been specified, the Type will be DMP.</p>