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

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.

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:
DMP obtains IP address from DHCP server. **Note:** If you have configured and enabled WiFi for a DMP, then an IP address is also acquired and displayed for the WiFi adapter.	
DMP contacts the Cisco Vision Dynamic Signage Director server.	
Err LED blinks for a short period (normal). **Note:** 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.	
DMP reboots.	**Caution: 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.**

Table 1 DMP Startup Task Sequence (continued)

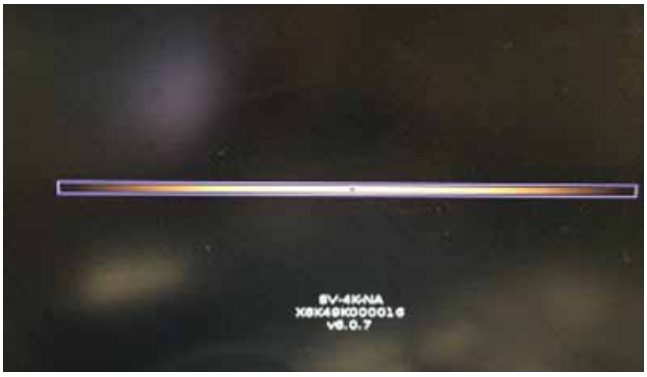
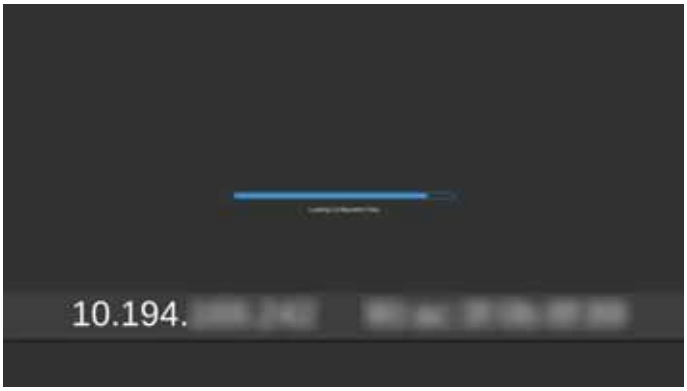
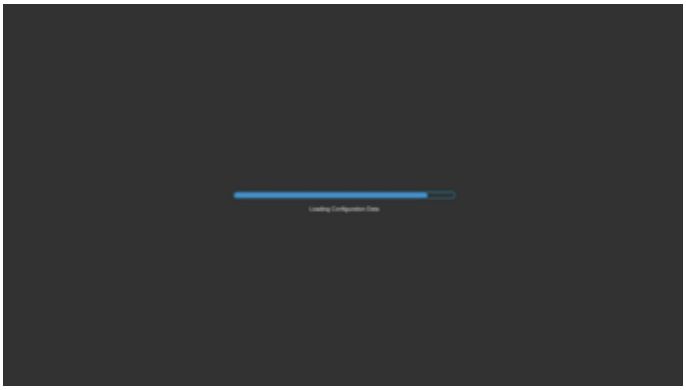
Startup Task	TV Display:
Firmware upgrade message. (As applicable—Only after the DMP has been initially deployed).	The following message appears if firmware upgrade is needed: Current system version is out of date. Restart and update! The device reboots to complete the upgrade process. The TV repeats 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.
Firmware upgrade in progress.	

Table 1 DMP Startup Task Sequence (continued)

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