CoolSign Display Engine (DE2) Quick Setup Guide
CoolSign Display Engine 2

The CoolSign Display Engine 2 (DE2) is a cost-effective high-performance, device for the CoolSign digital signage system. The player delivers high-definition digital signage content throughout facilities, supporting a wide range of media formats for live streaming, multicast streaming and file distribution. An ideal choice for pairing with CoolSign's DataWatcher for dynamic data-driven content, player-level scheduling (up to 8 regions), central management, tickers, and full motion 1080p60 video playout.

The factory default login credentials are only provided in the Important Notice document (available from the Support Portal).

> ❗ **Important**
>
> Haivision strongly advises that you change these default passwords during initial configuration (via the Console UI for appliances). To do so from the CoolSign Network Manager, click the **Tools** menu and select **Users and Groups**. You may also change the `admin` password from the Web interface.
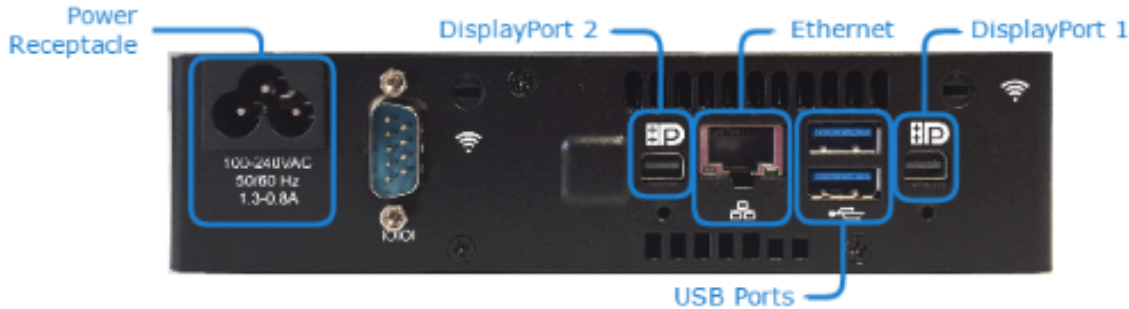
Setting up the Appliance

Prerequisites

An existing CoolSign network is required to operate the Display Engine 2. The DE2 is compatible with any version of CoolSign that supports Windows 7.

What's in the box?

The CoolSign Display Engine 2 kit consists of the following:

- 1x - CoolSign Display Engine 2
- 1x - Power Adapter Cord
- 2x - DisplayPort-to-HDMI Video Adapters — allows usage of standard HDMI cables.
- *Important Notice*
- *Quick Start Guide (this document)*

Hardware Installation

1. Unpack the box and position the hardware.
2. Connect the DE2 to a display/monitor using an HDMI cable (*not included*).
3. Connect the DE2 to your network using an Ethernet cable (*not included*). The DE2, by default, requests an IP address from a DHCP server on your network. If you don't have a DHCP server on your network, you will need to assign a static IP address to the player.
4. Plug a keyboard and mouse into the DE2.
5. Plug the power cord into the DE2.
6. Push the power button on the front of the DE2 (the LED will light). After the CoolSign Display Engine 2 has fully booted, the screen will be black with no icons on it.

Refer to the PlayerSWInstall to configure your player.

Verify the DE2 Power Settings

> **Important**
>
> The device's power setting can impact the overall CoolSign performance. If the Power Scheme is set to save battery power, Windows will try
> to turn off the monitor every 15 minutes due to user inactivity. Consequently, due to the time needed for the HDCP handshake to reestablish a valid display link, the screen can be shut off for a few seconds before CoolSign overrides it and turns the monitor back on.

Displaying the Active Power Scheme

After the device has booted, do the following to determine the active power scheme:

1. From the Windows **Start** menu, select **RUN**, and then type `cmd` to open a DOS command window.

2. In the command window at the prompt, enter the following query to determine the current power setting:

   ```
   powercfg –list
   ```

The response is a listing of the existing power schemes. The currently active scheme includes an asterisk at the end of the listing.

> **For example:**
>
> ```
> Existing Power Schemes (* Active)
> ----------------------------------
> Power Scheme GUID: 381b4222-f694-41f0-9685-ff5bb260df2e (Balanced)
> Power Scheme GUID: 8c5e7fda-e8bf-4a96-9a85-a6e23a8c635c (High Performance) *
> Power Scheme GUID: a1841308-3541-4fab-bc81-f71556f20b4a (Power Saver)
> ```

The preferred power scheme to use in conjunction with CoolSign is "(**High Performance)**". Refer to the Power Settings table below to ascertain the settings for different schemes.

Changing the Active Power Scheme

1. From the Windows **Start** menu, select **RUN**, and then type `cmd` to open a DOS command window.

2. To change the power scheme, enter the following command at the prompt:

   ```
   powercfg –setactive 8c5e7fda-e8bf-4a96-9a85-a6e23a8c635c
   ```

   where you specify the associated GUID for the Power Scheme you want to use. **This example sets the active power scheme for use with CoolSign.** *See the following table for other options.*

Power Settings Table

> ⓘ **Important**
>
> The preferred scheme to use in conjunction with CoolSign is "**Always On** (**High Performance)**".

Power Scheme Name	Associated GUID	Power Settings
Max Battery (Power Saver)	a184130835414fabbc81f71556f20b4a	• Name **Max Battery** • Numerical ID 1 • Turn off monitor (AC) Never • Turn off monitor (DC) After 5 mins • Turn off hard disks (AC) Never • Turn off hard disks (DC) After 5 mins • System standby (AC) Never • System standby (DC) After 5 mins • System hibernates (AC) Never • System hibernates (DC) Never • Processor Throttle (AC) ADAPTIVE • Processor Throttle (DC) DEGRADE

Power Scheme Name	Associated GUID	Power Settings
Presentation (Balanced)	381b4222f69441f09685ff5bb260df2e	• Name **Presentation** • Numerical ID 2 • Turn off monitor (AC) Never • Turn off monitor (DC) Never • Turn off hard disks (AC) Never • Turn off hard disks (DC) After 5 mins • System standby (AC) Never • System standby (DC) After 15 mins • System hibernates (AC) Never • System hibernates (DC) Never • Processor Throttle (AC) ADAPTIVE • Processor Throttle (DC) DEGRADE
Always On **(High Performance)** *Preferred Power Scheme for use with CoolSign.*	8c5e7fdae8bf4a969a85a6e23a8c635c	• Name **Always On** • Numerical ID 3 • Turn off monitor (AC) Never • Turn off monitor (DC) After 15 mins • Turn off hard disks (AC) Never • Turn off hard disks (DC) After 30 mins • System standby (AC) Never • System standby (DC) Never • System hibernates (AC) Never • System hibernates (DC) Never • Processor Throttle (AC) NONE • Processor Throttle (DC) NONE
…		

Software Installation

After the CoolSign Display Engine 2 has fully booted, the screen will be black with no icons on it. Run the CoolSign Configurator to connect the player to the network:

1. Press the **Windows** key on the keyboard to display the desktop.
2. From the **Start** menu, launch the **CoolSign Configurator**.
3. Connect the CoolSign Display Engine 2 to a CoolSign network. The player is tuned to the default channel. Refer to the *"Configuring Installed Nodes"* in the *CoolSign Installation Manual* for details.

> 🛈 **Important**
>
> You must choose a value for Audio Output on the Player Node: Player Information page of the Configurator, or the Display Engine 2 will not connect correctly to the network.

Obtaining Documentation

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Getting Help

General Support	North America (Toll-Free) **1 (877) 224-5445** International **1 (514) 334-5445** *and choose from the following:* Sales - 1, Cloud Services - 3, Support - 4
Managed Services	U.S. and International 1 (512) 220-3463
Fax	1 (514) 334-0088
Support Portal	https://support.haivision.com
Product Information	info@haivision.com