Connect DVR SDI Server (2nd Gen) Quick Start Guide
Connect DVR 4.8 SDI 2

The Haivision Connect DVR multi-site solution enables you to stream time-shifted video from an originating site to remote venues. An integral part of the multi-site solution, the SDI device can accommodate synchronized dual-stream playout, preserving the large-scale theatrical experience (IMAG) from the main site to the remote venue with perfect synchronization.

This quick start guide includes the basic steps required to install and connect to your CDVR SDI device.

For more detailed information, please refer to the *Important Notice* document (shipped with the product or available on the Haivision Support Portal at https://support.haivision.com) and the *User's Guide* (available at https://doc.haivision.com).

**Guide Contents**

- Connecting the Connect DVR Appliance
- Changing Network Settings
- Accessing the Connect DVR Web Interface
- Connecting to the Console UI Remotely
- Waste Electrical and Electronic Equipment (WEEE) Disposal

Connecting the Connect DVR Appliance

To connect the server:

1. Open the box, verify the contents, and visually inspect the items for any shipping damage. If necessary, contact Haivision for return instructions.
2. Unpack the box and position the hardware on a stable work surface.
3. On the device:
   - Connect to your network using an Ethernet cable. For most configurations, use the port labeled Gb1 or NIC0.
   - For initial setup purposes, attach a mouse, keyboard, and monitor to the available USB and Display Port connections.
   - Attach the power cord to the power receptacle.
4. Ensure that the final server location allows for proper airflow. Do not block or impede airflow to the vents.
5. On the front of the device, press the ⏻ button. The power LED will glow to indicate the appliance is ON.

Monitor

Mouse and Keyboard

Network Connection

SDI 2 Output

SDI 1 Output

Power Connection
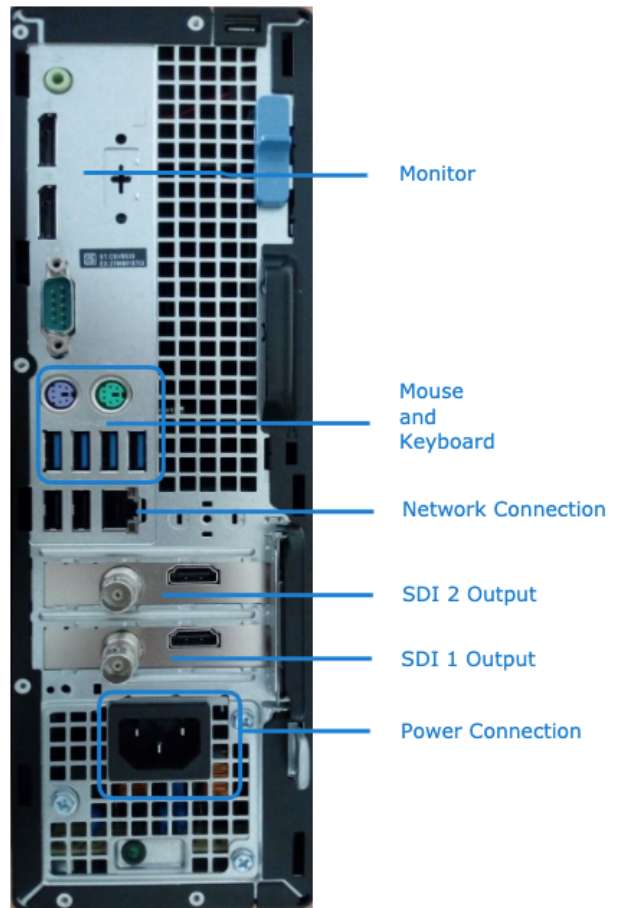
Changing Network Settings

During initial setup you may want to change some network settings such as servers, etc.

The Network Configuration settings allow you to specify the server hostname, DNS servers, NTP server, search domains, and the default interface. You can also configure advanced settings, such as static routes.

To configure the network:

1. Click the ☰ icon and select **Administration**.
2. Click **System Settings** in the admin toolbar, and click **Network** in the sidebar.

3. Fill in the fields as appropriate. See the table below for more information.

Haivision Connect DVR   Welcome Administrator (Sign Out)   ☰

| Configuration | Access Control | **System Settings** | Reporting |

Certificates

Licensing

Network

Wifi AP

Update

[Save Settings]   [Reboot]

Network Configuration

General

| Hostname | cdvr.haivision.com |

Default Interface [eno1 ▾]

DNS Servers [10.65.0.10] [10.65.0.11] [   ]

Search Domains [haivision.com] [   ] [   ]

NTP Server [   ]

SNMP (OFF)

Interfaces

[eno1] [eno2] [bond0]   BOND INTERFACE: ADD REMOVE

Addressing   ⦿ None   ◯ Static   ◯ DHCP

IP Address * [   ]

Subnet Mask * [   ]

Gateway [   ]

MTU [   ]

Bonding Mode [Round Robin Sequential ▾]

Slave Interfaces   ☐ eno1   ☐ eno2

Static Routes

☐ All   [Actions ▾]   [⊕]

| Destination | Subnet Mask | Gateway | Interface |

4. To add a Static Route, see Adding a Static Route.
5. Click **Save Settings**.
6. Click **Reboot** to have your network configuration changes take effect.

The following table lists the configurable network settings.

Setting	Description
General	
Hostname	The hostname to be assigned to the device. Specify the hostname as a FQDN, for example: `myserver.mycompany.com`
Default Interface	The default Ethernet interface is the first one.
DNS Servers	*(Optional)* The Internet Protocol version 4 (IPv4) addresses of the Domain Name Servers to use. If possible, we recommend using Google's public DNS servers (8.8.8.8 and 8.8.4.4). ⚠ **Important** If you want the DNS Servers values populated by a DHCP server, you should delete any entries in these fields *before* clicking the **Saved Settings** button.
Search Domains	*(Optional)* The search strings to use when attempting to resolve domain names. ⚠ **Important** If you want the Search Domains values populated by a DHCP server, you should delete any entries in these fields *before* clicking the **Saved Settings** button.
NTP Server	*(Optional)* If the Network Time Protocol (NTP) is enabled, enter the address of the NTP server. For example, `www.pool.ntp.org` ⚠ **Important** To accurately schedule, record, and play streams, use www.pool.ntp.org to synchronize the system clocks on the KB Encoder, Display Engine appliance, and the remote Mac/PC used to access the KB and Connect DVR user interfaces. This ensures that all of your peripherals match the Haivision Cloud DVR clock.
SNMP	Enable/Disable Simple Network Management Protocol (SNMP).
Read-Only Community	SNMP string to be used when making read-only information requests.
SNMP Trap Servers	IPv4 or FQDN of a server to send SNMP traps to.
Interface	
<interface_name>	ⓘ **Note** Network interface names vary depending on system configuration, such as enp3s0/enp4s0.
Addressing	Choose whether the interface uses a static or dynamic IP address: • None — Select to disable the interface. • Static — Select to disable DHCP. When DHCP is disabled, you must manually enter the IP address, DNS server, subnet mask, and gateway. • DHCP — Select to enable DHCP. When DHCP is enabled, the device receives an IP address from a DHCP server on the network. The DNS server, subnet mask, and gateway are also populated by the DHCP server.

Setting	Description
IP Address*	**ℹ Note** If DHCP is disabled, you may enter an IP address in dotted-decimal format (e.g., 127.0.0.1).
Subnet Mask*	**ℹ Note** If DHCP is disabled, you may enter the Network Mask in dotted-decimal format (e.g., 255.255.0.0).
Gateway*	**ℹ Note** If DHCP is disabled, you may enter the gateway address in dotted-decimal format (e.g., 192.168.0.1).
MTU	Maximum Transmission Unit. Specifies the maximum allowed size of IP packets for the outgoing data stream. Valid values are 228 to 1500.
MAC Address	(Read-only) The MAC address assigned to the interface. This is the physical address of the network interface and cannot be changed.
Link	Select the link negotiation settings for the interface, either Auto or Manual. If you select Manual, you can select the Speed and Duplex settings as described below.
Speed	If manual is chosen in the link negotiation settings, select the Ethernet speed (in Mbps): 10, 100, or 1000.
Duplex	If manual is chosen in the link negotiation settings, select the duplex mode: full or half.
Static Routes	
Destination	Each static route requires a destination.
Subnet Mask	**ℹ Note** A static route cannot be created with a subnet mask of either 0.0.0.0 or 255.255.255.255.
Gateway	See above definition.
Interface	The interface associated with the static route. Use the drop-down menu to make your selection.

- These values are automatically populated.

Related Topics

- Administration Screen

Accessing the Connect DVR Web Interface

To access the device's Web interface:

1. On another computer connected to the same network, open a Web browser.
2. Enter the device's assigned IP address. For example, if the IP Address is 10.5.1.4, enter a URL of https://10.5.1.4.
3. When a browser accesses the website, it requests a security certificate to confirm that the site is trusted.
   The device ships with a self-signed SSL certificate key set which works with any configured server hostname. However, Web browsers do not consider self-signed certificates to be trusted, because

they are not signed by a Certificate Authority. Consequently, when accessing the website with a self-signed certificate, users see a security warning and are prompted for authorization as shown below. Responses may vary depending upon the browser used.
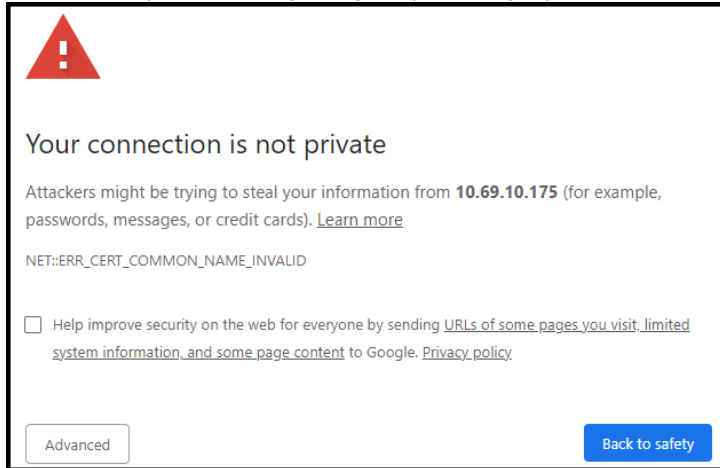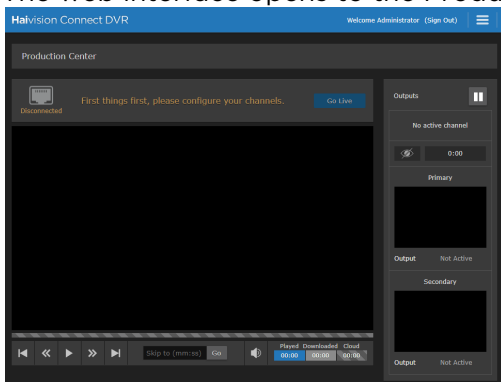

> ⓘ **Important**
>
> Before proceeding or adding an exception for the site, check with your administrator on the correct response.

4. Sign in using one of the credentials provided on the *Important Notice* included with your device.

The web interface opens to the Production Center screen.

For step-by-step information on using the web interface, refer to the Connect DVR User's Guide.

Connecting to the Console UI Remotely

> **ⓘ Important**
>
> By default, you will usually access configuration settings from the Web UI. Accessing via the Console UI requires administrator privileges and password.

Connecting to the Console UI remotely requires a Secure Shell (SSH) client and the IP address of the device. If you'd prefer to connect to the Console UI directly, you will need a monitor, a USB keyboard, and possibly a mouse to connect to the device.

To access the Console UI using a secure shell:

1. Initiate a secure shell (SSH) connection to the IP address of the device using an SSH client (for example, PuTTY).
2. When prompted, sign in using the `hvroot` username and password. Refer to the *Important Notice* document that accompanied your device for the default `hvroot` password.

See Using the Console UI *for details on the various tasks you can perform with the Console UI.*

Related Topics

- Using the Console UI in your User's Guide.

Waste Electrical and Electronic Equipment (WEEE) Disposal

In accordance with the European Union (EU) WEEE Directive, Haivision products that fall within the scope of the WEEE, are labeled with the above symbol, and customers are encouraged to responsibly recycle their equipment at the time of disposal. Haivision also offers its customers the option of returning Haivision equipment to facilitate its environmentally sound disposal.

For more information, please visit our website at: https://www.haivision.com/environment.

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