

ClearOne®

VIEW® Pro D310

High-definition, IP, Compressed Audio/Video Decoder

Quick-Start Guide



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THE VIEW PRO ENCODER AND DECODER

ClearOne's VIEW Pro D310 decoder delivers the ultimate in high-quality, low-latency, 4:2:0 YCbCr color space digital media at unrivaled cost advantage. Distribution of all digital media is via existing IP networks and infrastructure to single-image, full-screen video applications.

ClearOne StreamNet® technology embedded within VIEW Pro encoders and decoders also facilitates automatic discovery, control, monitoring and distribution within StreamNet networks.

The VIEW Pro D310 decoder takes the combined video and audio stream, usually provided from a VIEW Pro encoder, decodes it, and then sends the video and audio to a display such as a HDTV or projector and sound system.

The latest version of the VIEW CONSOLE software can be found on the ClearOne website at http://www.clearone.com/resources#network_media_streaming.

QUICK-START OVERVIEW

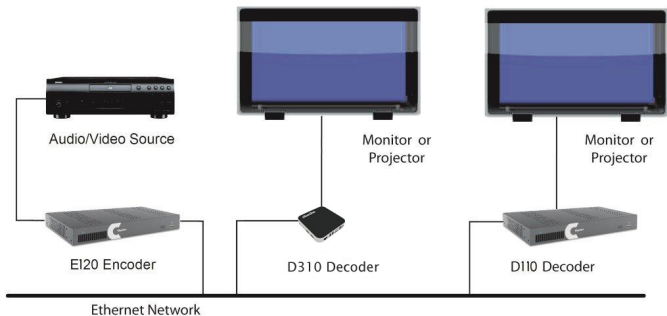
You will be performing these steps in the following order to use the VIEW Pro D310 Decoder in your StreamNet network:

1. Mounting the D310 Decoder (Optional)
2. Connecting the D310 Decoder
3. Configuring the D310 Decoder

VIEW PRO ENCODER & DECODER

ENCODER AND DECODERS IN A NETWORK

The VIEW Pro encoder receives input from an AV source device such as BluRay Player, DVD Player, etc. and distributes it over a StreamNet TCP/IP network using a standard 100 Mbit or Gbit Ethernet connection. The encoder provides the IP data for VIEW Pro decoders to deliver to the displays, therefore decoders are installed at the locations of the target video displays.



This picture shows an example for connecting VIEW Pro devices in a network.

VIEW PRO D310 QUICK-START GUIDE

PARTS INCLUDED

The following items are included with the VIEW Pro D310 Decoder:



- D310 Decoder Unit
- Power Supply
- Mounting Plate
(VESA, holes spaced 100 mm X 100 mm, 3.9 inches X 3.9 inches)
- Mounting Screws for Mounting Plate and D310 Unit
- USB to DB9 Serial Adapter

Verify that all items have been received. If there is any issue, please contact your ClearOne representative.

VIEW PRO ENCODER & DECODER

MOUNTING THE D310 DECODER

The D310 includes a Mounting Plate and screws. The Mounting Plate can be used on a wall or for applications where a decoder must be located on a VESA mount, such as on the back of a monitor.

Attach the Mounting Plate to a display with the 4 phillips-head screws. (Figure 1)

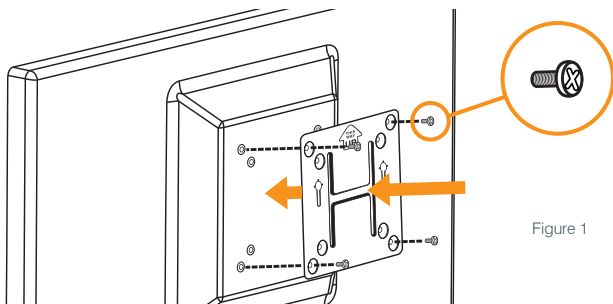


Figure 1

NOTE: Although the Mounting Plate does attach the decoder to the back of a display, it also allows the decoder to be attached to a separate VESA mount.

Insert the 2 screws with the extended heads into the back of the D310 and tighten. (Figure 2)

VIEW PRO D310 QUICK-START GUIDE

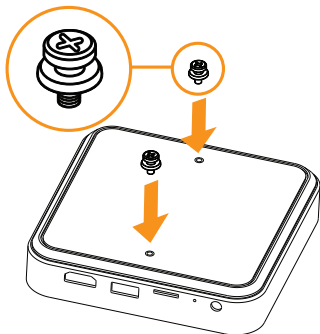


Figure 2

Align the D310 with the Mounting Plate so that indicator arrows on the plate and the decoder are pointed upward. Insert the heads of the extended screws on the D310 into the keyhole slots of the Mounting Plate and slide down to secure.

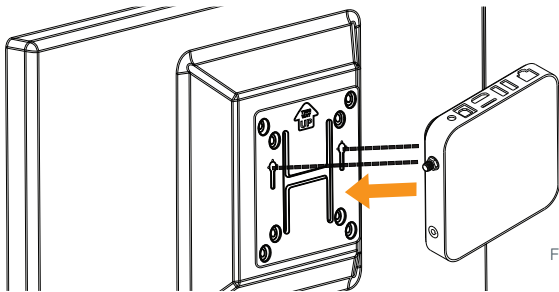


Figure 3

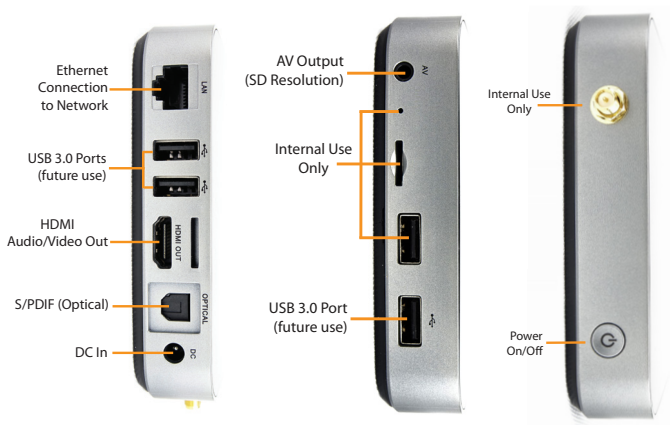
VIEW PRO ENCODER & DECODER

CONNECTING THE DECODER

Connect the D310 Decoder to:

- Ethernet LAN where the encoders and the computer running the VIEW CONSOLE program are connected
- HDMI Audio/Video output to the HDMI input on the display or projector
- USB 3.0 ports can be used by the USB to DB9 Serial Adapter allowing serial communication to/from the unit
- A provided DC power supply

NOTE: Carefully run the connected cables so they do not put strain on the connectors.



VIEW PRO D310 QUICK-START GUIDE

CONFIGURING THE DECODER

The VIEW Pro D310 Decoder is configured for use in the network with the VIEW CONSOLE program. VIEW CONSOLE is a PC-based program that allows you to configure devices so that they can communicate across a StreamNet network. Phases of the software setup include:

- Create a new or open an existing project
- Add the D310 device to the project
- Match the correct device from the right-hand column.
- Configuring the device with system-specific information regarding Display Outputs, Controls, IP.
- Saving the project
- Sending the configurations

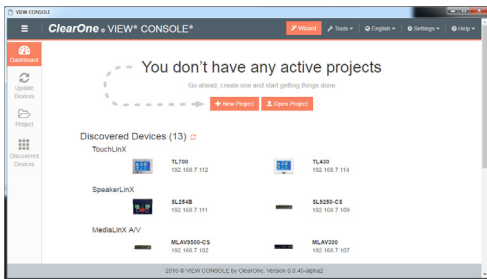
These steps in these processes are detailed in the VIEW CONSOLE user manual available for viewing or download at www.ClearOne.com.

NOTE: VIEW CONSOLE version 3.02.xx or later is required to support the D310 decoder.

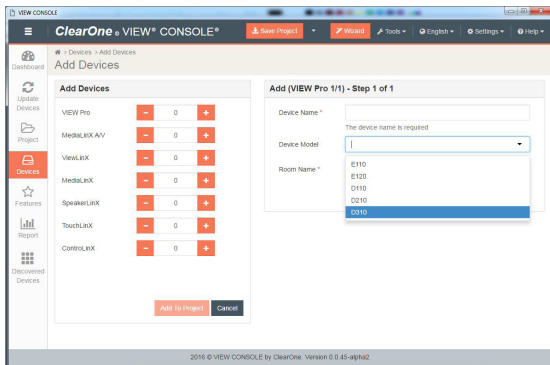
Information specific to the VIEW Pro Decoder is contained in the VIEW Pro - D310 Digital AV Decoder Installation and Users Manual available for viewing or download at www.clearone.com. (The steps for using the VIEW CONSOLE program and options for the D310 are similar to those of the D210 decoder).

VIEW PRO ENCODER & DECODER

Create a New or Open an Existing Project



Add the VIEW Pro D310 to the Project



VIEW PRO D310 QUICK-START GUIDE

Match the Correct Device from the Right-Hand Column

The screenshot displays the ClearOne VIEW Console interface. The main window is titled "VIEW CONSOLE" and "ClearOne VIEW CONSOLE". The navigation bar includes "Save Project", "Wizard", "Tools", "English", "Settings", and "Help". The left sidebar contains icons for Dashboard, Update Devices, Project, Devices, Features, Report, and Discovered Devices. The main content area is titled "Device Details" and shows a table with one device entry:

St...	Device Name	Actions
	D310 0.0.0.0	Match

Below the table, it indicates "Number of Devices: 1". To the right, the "D310" configuration panel is visible, showing fields for IP Address (0.0.0.0), Subnet Mask (0.0.0.0), Device Type (VIEW Pro), Device Model (D310), Firmware Version, Device Name (D310), and Serial Number. The "Apply" and "Cancel" buttons are at the bottom right of the configuration panel.

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VIEW PRO ENCODER & DECODER

Configuring: Info Tab for D310

The screenshot displays the 'VIEW PRO CONSOLE' interface. The top navigation bar includes 'Save Project', 'Wizard', 'Tools', 'English', 'Settings', and 'Help'. The main content area is titled 'Device Details' and shows a table with one device entry: 'D310' with IP address '192.168.5.117'. Below the table, it indicates 'Number of Devices: 1'. On the right, the 'D310' configuration tab is active, showing fields for IP Address (192.168.5.117), Subnet Mask (255.255.255.0), Device Type (VIEW Pro), Device Model (D310), Firmware Version (3.1.077), Device Name (D310), and Serial Number (D3101234598000002749). The interface also features a sidebar with navigation options like Dashboard, Update Devices, Project, Devices, Features, Report, and Discovered Devices. The footer text reads '2016 © VIEW CONSOLE by ClearOne Version 0.0.45-alpha2'.

VIEW CONSOLE

ClearOne VIEW PRO CONSOLE

Save Project Wizard Tools English Settings Help

> Devices > Device Details

Device Details

Send Configuration Import Devices Restart Devices

+ Add Devices Remove Search

St...	Device Name	Actions
1	D310 192.168.5.117	Send Config

Number of Devices: 1

D310

Information Display Output Display Control

Show Advanced Options

IP Address 192.168.5.117

Subnet Mask 255.255.255.0

Device Type VIEW Pro

Device Model D310

Firmware Version 3.1.077

Device Name * D310

Serial Number D3101234598000002749

Apply Cancel

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VIEW PRO D310 QUICK-START GUIDE

Configuring: Info Tab Advanced Options for D310

The screenshot shows the 'VIEW PRO D310 QUICK-START GUIDE' interface. The main window is titled 'VIEW CONSOLE' and contains a navigation sidebar on the left with options like Dashboard, Update Devices, Project, Devices, Features, Report, and Discovered Devices. The main content area is titled 'Device Details' and shows a table with one device: D310 (192.168.5.117). Below the table, it indicates 'Number of Devices: 1'. The right-hand side of the screen is the configuration page for 'D310', with tabs for 'Information', 'Display Output', and 'Display Control'. The 'Advanced Options' section is expanded, showing the following settings:

- IP Address: 192.168.5.117
- Enable Static IP: 0.0.0.0
- Enable DHCP:
- Do Not Log:
- Enable Switch Latency (seconds): 1
- Enable Video Rotation: 90 degrees
- Network Subnet Mask: 255.255.0.0
- Gateway IP: 0.0.0.0
- TTL: 1
- Network Latency (ms): 60

A warning message at the bottom of the configuration area states: "Any changes you make to the settings on this screen may seriously damage the system's ability to function properly." There are 'Apply' and 'Cancel' buttons at the bottom right of the configuration panel.

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VIEW PRO ENCODER & DECODER

Configuring: Display Outputs Tab for D310

The screenshot displays the 'ClearOne VIEW PRO CONSOLE' interface. The top navigation bar includes 'Save Project', 'Wizard', 'Tools', 'English', 'Settings', and 'Help'. The main content area is titled 'Device Details' for device 'D310'. A table lists the device with its name and IP address (192.168.5.117), and a 'Send Config' button. The right-hand panel is titled 'D310' and contains configuration options for 'Display Output' and 'Lua Driver Config'. The 'Display Output' section includes fields for 'Room/Zone Name' (D310) and 'Driver File' (CDTemplate.lua). The 'Lua Driver Config' section includes fields for 'Baud Rate' (9600 Baud), 'Parity' (None), 'Port' (1), 'Data Bits' (8), and 'Stop Bits' (1). There is also an 'Audio Output' section with a 'Port' dropdown and a 'Link Protocol Audio Link' checkbox. 'Apply' and 'Cancel' buttons are at the bottom right of the configuration panel. The footer indicates '2016 © VIEW CONSOLE by ClearOne, Version 0.0.45-alpha2'.

VIEW CONSOLE

ClearOne VIEW PRO CONSOLE

Save Project Wizard Tools English Settings Help

Dashboard > Devices > Device Details

Device Details

Send Configuration Import Devices Restart Devices

+ Add Devices Remove Search

St...	Device Name	Actions
\$	D310 192.168.5.117	Send Config

Number of Devices: 1

D310

Information Display Output Display Control

Decoder Settings

Display Output

Room/Zone Name: D310

Driver File: CDTemplate.lua

Lua Driver Config

Baud Rate: 9600 Baud

Parity: None

Port: 1

Data Bits: 8

Stop Bits: 1

Audio Output

Port: [Dropdown] Link Protocol Audio Link

Apply Cancel

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VIEW PRO D310 QUICK-START GUIDE

Configuring: Display Controls Tab for D310

The screenshot shows the ClearOne VIEW CONSOLE interface. The top navigation bar includes 'Save Project', 'Wizard', 'Tools', 'English', 'Settings', and 'Help'. The main content area is titled 'Device Details' for device 'D310' (IP: 192.168.5.117). A table lists the device with a 'Send Config' button. Below the table, it states 'Number of Devices: 1'. The right-hand panel is titled 'D310' and has tabs for 'Information', 'Display Output', and 'Display Control'. The 'Display Control' tab is active, showing a section for 'Display Controls' with a warning: 'These controls will be accessible from the GUI. The value put into the "Label" field will be used on the GUI button.' Below this is a table with 8 rows, each with a 'LABEL' input field and a 'MACRO' dropdown menu set to 'None'. At the bottom right of this panel are 'Apply' and 'Cancel' buttons. The footer of the console reads '2016 © VIEW CONSOLE by ClearOne. Version 0.0.45-alpha2'.

St...	Device Name	Actions
1	D310 192.168.5.117	Send Config

Number of Devices: 1

	LABEL	MACRO
1	<input type="text"/>	None
2	<input type="text"/>	None
3	<input type="text"/>	None
4	<input type="text"/>	None
5	<input type="text"/>	None
6	<input type="text"/>	None
7	<input type="text"/>	None
8	<input type="text"/>	None

Apply Cancel

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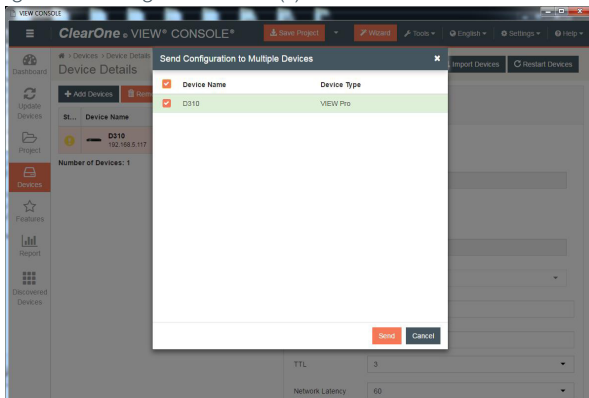
VIEW PRO ENCODER & DECODER

Saving the Project

Select **File>Save** to save the project.

Sending the Configurations

With the project still open to the changes you just made, select the **Send Configuration to Device** icon or, in the case of multiple devices, the **Send Configuration to Multiple Devices** icon. This will send the configuration setting to the device(s).



Wait for the device(s) to restart.

These steps in these processes are detailed in the VIEW CONSOLE manual available for viewing or download at www.ClearOne.com.

VIEW PRO D310 QUICK-START GUIDE

PART NUMBERS

910-0003-002	VIEW Pro Decoder D310
910-0003-001	VIEW Pro Decoder D210
910-0001-001	VIEW Pro Decoder D110
910-0000-001	VIEW Pro Encoder E120
910-0000-006	VIEW Pro Encoder E110

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