



ClareVision Plus Video Doorbell Control4 Driver Integration Release Notes

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Introduction

The Control4 Driver is a downloadable add-on that allows the user to integrate the ClareVision Plus Doorbell Camera into a Control4 project. The driver enables video streaming in the Control4 project.

Notes

- This driver only supports the C4 T3 touchscreen.
- The doorbell does not support mjpeg.

Supported features

- RTSP camera stream
- Snapshot
- Button press events
- Motion events

Note: Disabling motion events or notifications in the ClareVision Plus app also disables them in the Control4 driver.

Installing the Control4 driver

Making the ClareVision Plus Doorbell Camera compatible with Control4 is simple and provides the user convenient access to their doorbell's stream.

To install the Control4 driver:

1. Download the [Clare Video Doorbell Control4 Driver](#).
2. Open the Control4 project, and then add the driver to the project.
3. Configure the ClareVision Doorbell Camera's properties.

Note: Most of the camera fields are pre-populated. You will need to enter the IP address, username, and the password.

IP address: The doorbell camera's IP address.

Note: There is no way to set a static IP address for the doorbell camera. We recommend using a DHCP reservation.

Username: The camera's username. By default, the username is clareadmin.

Password: The camera's password set in the initial camera configuration.

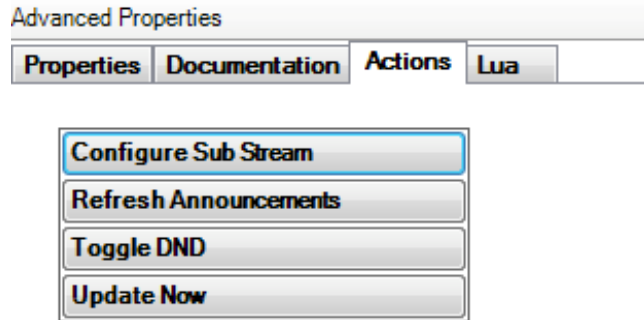
The screenshot shows the 'Properties' dialog box for the ClareVision Doorbell Camera. It has two tabs: 'Camera Properties' and 'Camera Test'. The 'Camera Properties' tab is active. The dialog is divided into two main sections: 'Address' and 'Authentication'.
In the 'Address' section, there are five fields, each with a 'Set' button to its right:
- 'Hostname / IP Address': 10.100.1.135
- 'HTTP Port': 80
- 'RTSP (H.264) Port': 554
- 'Snapshot Refresh Rate': 60 Sec.
- 'Publicly Accessible':
In the 'Authentication' section, there are four fields:
- 'Required':
- 'Username': clareadmin
- 'Password': masked with 10 dots
- 'Type': Basic (dropdown menu)
At the bottom of the dialog, there are two buttons: 'Load Defaults' and 'Help'.
The 'Aspect Ratio' is set to 16x9.

4. Navigate to the **Actions** Tab.

Advanced Properties > Actions

5. Click **Configure Sub Stream**.

This automatically configures the doorbell's substream.



6. Test the camera functions through the Control4 App.

Do not use the Get H.264 URL button for testing, this can cause an error in the Composer software.

Figure 1: ClareVision Plus Doorbell Camera preferred settings

Stream Type	Sub Stream	▼
Video Type	Video Stream	▼
Resolution	640*480	▼
Bitrate Type	Variable	▼
Video Quality	Medium	▼
Frame Rate	15	▼ fps
Max. Bitrate	2048	Kbps
Max. Average Bitrate	0	Kbps
Video Encoding	H.264	▼

Table 1: Control4 driver properties

Property	Description
Driver version	The driver's current version.
Server version	The server's current annex4 version.
Debug mode	Reports information to the log and log output window.

Debug Modes

Debug: Report of the data being moved.

Trace: Report of the driver's flow.

Info: Report of information such as Beta Status

Warning: Reports that there is a small issue.

Error: Reports that there is a large issue.

Fatal: Reports that there is an issue causing the driver to fail.

Property	Description
Stream	Displays the stream used in the camera URL, Main [1] or Substream [2].
Device credentials	Displays the authorization information of the last request.
Device <INFO>	Displays device information.

Table 2: Control4 driver actions

Action name	Description
Configure Sub Stream	Automatically configures the sub stream with optimal Control4 settings.
Update Now	Update's the driver to the latest version.

Using events with Control4

Events allow the user to create actions in response to the doorbell ringing or motion detection.

Note: Alarm Notifications must be enabled in the ClareVision Plus App for Events to function properly. See, “To enable Alarm Notifications in ClareVision Plus,” on page 5.

To enable events in with Control4:

1. Verify that the firmware version for the ClareVision Plus (CVP) Doorbell Camera and the Control4 driver are the most current.

Note: The CVP doorbell camera firmware is updated through the ClareVision Plus App. To update the firmware see, [ClareVision Plus Video Doorbell Camera Firmware v2.0.0 Build 171209 Release Notes \(DOC ID 1724\)](#).

2. Access the Control4 configuration menu, and browse to **Properties**.

Camera Properties > Advanced Properties > Properties

3. Scroll to view the **Events** field and select Enabled.

Note: Once selected, the field autosaves.

Camera Properties Camera Test

Advanced Properties

Properties Documentation Actions Lua

Auto Update Off

Driver Version 2.6.65

Server Version

Debug Mode Off

Stream 2

Device Credentials Valid [200]

Device Name CVP-B2DB50-ODIW

Device ID 48373535-3533-3839-3533-5867741bffa

Device Model CVP-B2DB50-ODIW - Driver Enabled

Device Serial Number CVP-B2DB50-ODIW0120170426WR755538953CLU

Device MAC Address 58:67:7:41:bff:a

Device Firmware Version V2.0.0 - Events supported

Doorbell Announcement None

Do Not Disturb Disabled

Events Enabled

Do Not Disturb - On R: 255 G: 0 B: 0

Do Not Disturb - Off R: 0 G: 0 B: 0

4. Scroll down to view the most recent events (notification and motion).

Note: This is only available once an event occurs, until that point the fields remain blank.

Do Not Disturb Disabled

Events Enabled

Do Not Disturb - On R: 255 G: 0 B: 0

Do Not Disturb - Off R: 0 G: 0 B: 0

Do Not Disturb - Announcement None

Notification - Doorbell Last Event: Tue Jan 9 15:23:23 2018

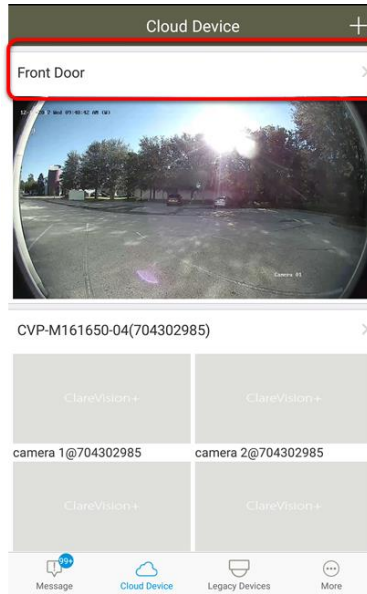
Notification - Motion Last Event: Wed Jan 10 09:20:46 2018

To enable Alarm Notifications in ClareVision Plus:

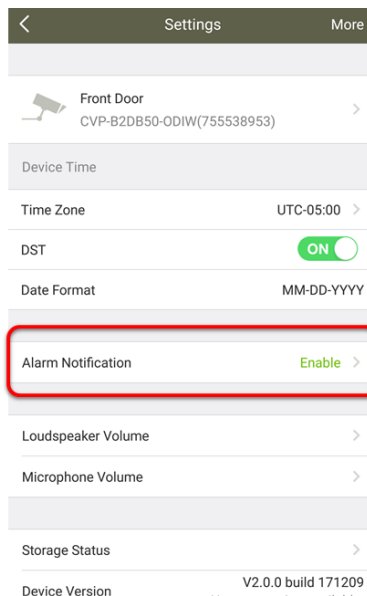
Note: New video doorbell firmware has Alarm Notifications enabled by default. Verify that you have the newest firmware and that the notifications are enabled.

1. Access the ClareVision Plus App.

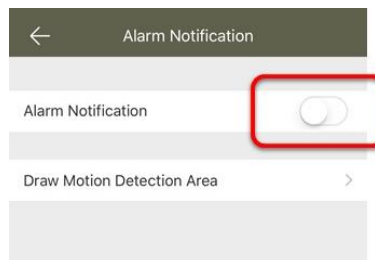
2. Tap on the desired camera's name.



3. Tap **Alarm Notifications**.



Note: Alarm notifications are automatically enabled. If they are not enabled, tap to enable them. This is required for Control4 to receive motion events.



Contact information

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