



Video Storm IRUSB Driver

Installation and Usage Guide

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Overview

The Videostorm IRUSB device allows us to control any Android set top box including the Nvidia Shield, Amazon Fire TV, Foxtel Now, Xiaomi MiBox and more.

The Chowmain IRUSB driver for Control4 provides IP control over the IRUSB with sms style text entry, direct app launching (via mini apps), transport controls and it also adds additional IR outputs to Control4 which can be used to control other devices in the local location such as TV's and receivers.

Note that this driver requires a installation of the IRUSB dongle created by Video Storm. No root access required.

Features

- IP control over the majority of Android based devices such as Amazon Fire TV, Nvidia Shield, Foxtel Now, Xiaomi Mi Box and more
- Adds an additional IR Output for control over local source (eg TV or receiver)
- SMS style text entry for SR-250 / SR-260 remote controls on number keys.
- Mini apps for direct launch on any navigator for many popular applications
 - Amazon
 - DirectV
 - Disney
 - ESPN
 - HBO
 - HD Homerun
 - Hulu
 - iHeartRadio
 - Kodi
 - Netflix
 - Pandora
 - PBS

- Showtime
- Spotify
- Tunein
- VEVO
- Vimeo
- Youtube
- Custom mini app for launching of other applications not listed

Change Log

Version #20180129 29-JAN-2018

- Initial Release

Important Notice

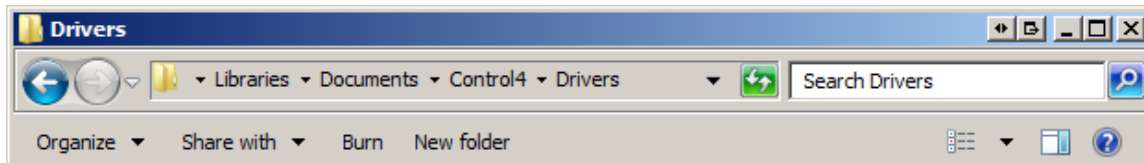
This driver requires purchase and installation of the Video Storm IRUSB device (<http://www.video-storm.com/proddetail.asp?prod=irusb>). This device must be purchased and installed prior to following this guide.

Driver Installation

1. The driver you have downloaded will be in a zip file. Double click on this file to open it in your preferred zip program (WinZip, WinRar, etc.).



2. Extract the c4i file to the My Documents\Control4\Drivers directory. If you are using Windows 7 or 8 this will be extracted to the Libraries\Documents\Control4\Drivers directory.



3. You are now ready to add and configure the driver via the Composer Pro software.

Installing IRUSB Dongle

Please follow the instructions on the Videostorm website. This includes installation and setup of the IRUSB app from Google Play Store.

<http://www.video-storm.com/proddetail.asp?prod=irusb>

Adding the android driver to your project

IMPORTANT – Before undertaking the installation of the driver please follow the licencing steps outlined at the end of this document.

1. Launch the Composer Pro application and connect to your project
2. In the 'System Design' page select the 'Search' tab on the right hand side.
3. Type in IRUSB in the search bar

☒ Local
 ☒ Online
 ☐ Certified Only
 [Clear Search](#)

Category:

-- All Categories --

Type:

-- All Types --

Manufacturer:

-- All Manufacturers --

Control Method:

All Methods

 Sort:

Modified Old->N

Foxtel Now (IRUSB) Foxtel	Local
Nvidia Shield (IRUSB) Nvidia	Local
Android STB (IRUSB) Foxtel	Local
Fire TV (IRUSB) Amazon	Local

4. Double click on the driver (IRUSB) driver that corresponds to the model of device you are using to add it to your project – *Note the only difference is the icon and the name.*

5. Highlight the driver on the left hand side.
6. Enter in the IP Address.

Note: It is recommended that the device be placed on a static IP address or have a reserved IP address for stability purposes.

IP Address	192.168.1.106
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7. Click on the Connections tab.



8. Highlight the 'Virtual Switcher' driver on the left hand side (you may need to expand the driver by clicking on the + symbol)
9. Bind the audio/video outputs to the relevant inputs.

Audio/Video Outputs			
 OUTPUT	Video	HDMI	Output
 OUTPUT	Audio	DIGITAL_OPTICAL	Output

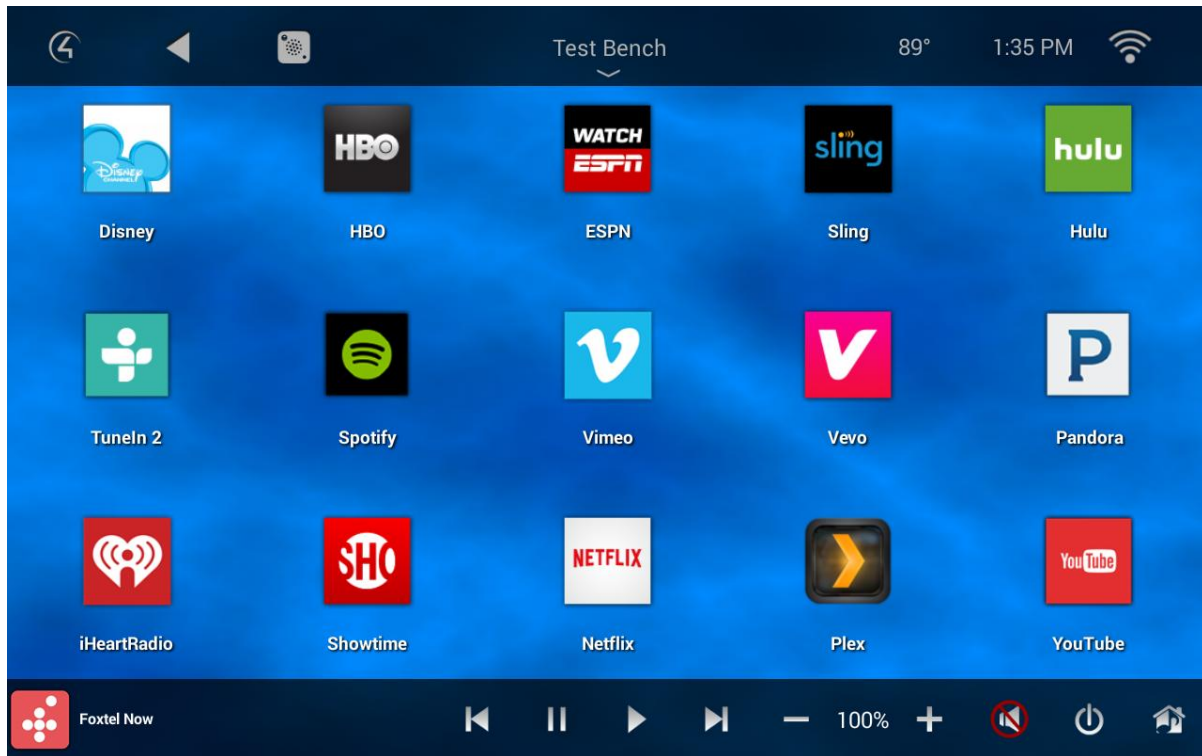
10. If you are using the infra-red output bind this to the device you wish to control

Control Outputs			
 IR_USB	Control	IR_OUT	Output

11. Click on the File and Refresh Navigators. Congratulations you have set up your device. If you want to add in mini drivers (for quick launch of a certain app please see the next section).

Adding the mini drivers to your project

Mini drivers allow you to select the android box as the source and also select an application from under the watch menu in Navigator. This makes using the android box on Control4 more attractive and seamless. We have numerous mini drivers created for use with driver and we are open to suggestions for apps that are popular.



1. Launch the Composer Pro application and connect to your project
2. In the '**System Design**' page select the '**Search**' tab on the right hand side.

3. Type in IRUSB in the search bar

IRUSB

☒ Local
 ☒ Online
 ☐ Certified Only
 [Clear Search](#)

Category:

-- All Categories --

Type:

-- All Types --

Manufacturer:

-- All Manufacturers --

Control Method: All Methods

Sort: Modified New->




Showtime - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Kodi - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
iHeartRadio - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Pandora - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Vevo - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Vimeo - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Spotify - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Tuneln - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Hulu - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Plex - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Netflix - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
Sling - IRUSB	Videostorm	12/06/2017 4:30 PM	Local
YouTube - IRUSB	Videostorm	12/06/2017 4:30 PM	Local

- IRUSB mini apps designed for use with our IRUSB driver will look similar to the ones listed in the screenshot above (with name – IRUSB as the syntax). Double click on the drivers you would like added to your system.
- Highlight the mini driver you added on the left hand side.
- Click on the Connections tab.



7. Highlight the '**Virtual Switcher**' driver on the left hand side (you may need to expand the driver by clicking on the + symbol)
8. Bind the mini app to the Android App input. Doesn't matter which input you bind it to. You can add upto 25 mini apps to launch per android device.

Audio/Video Inputs

 Android App 1	Video	RF_IRUSB_APP	Input	YouTube->YouTube
 Android App 2	Video	RF_IRUSB_APP	Input	Kodi->Kodi
 Android App 3	Video	RF_IRUSB_APP	Input	Plex->Plex
 Android App 4	Video	RF_IRUSB_APP	Input	Netflix->Netflix
 Android App 5	Video	RF_IRUSB_APP	Input	
 Android App 6	Video	RF_IRUSB_APP	Input	
 Android App 7	Video	RF_IRUSB_APP	Input	
 Android App 8	Video	RF_IRUSB_APP	Input	

9. Click on the File and Refresh Navigators. Congratulations you have set up your Android mini apps.

Licencing

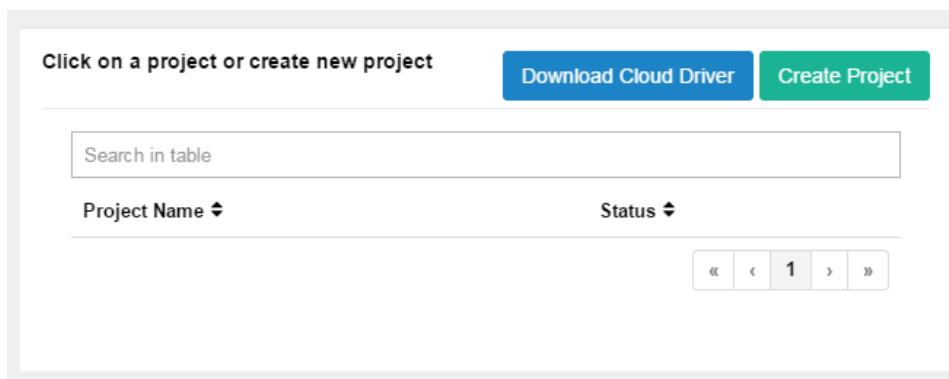
Chowmain drivers require a valid licence to use the driver. Drivers can be purchased from our distributor [driverCentral](#) however all Chowmain drivers come with a 7 day trial. We recommend that prior to purchasing a driver that you test the driver out to ensure that it will work with your hardware and will meet your requirements. The licencing procedure is broken down into 4 steps. A summary of the steps are below along however we have also provided detailed steps if the summary is not sufficient.

Summary

1. Create your project on the driverCentral.io website (This will generate a specific token which you will use in the next step)
2. Download, install and activate the driverCentral cloud driver in your project (Only once per project. Use the token generated in step 1)
3. (Optional) To try a driver, simply download it and install it in your project
4. To purchase a driver:
 - a. On driverCentral, purchase a license and register it to your project
 - b. If the driver is not already installed in your project, download it and install it
 - c. If necessary, use the cloud driver's Action: "Check Drivers" to force licence download to the project.

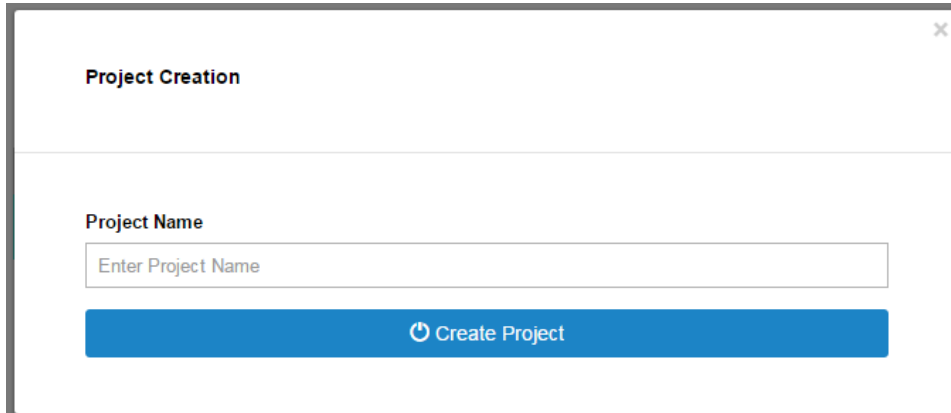
STEP 1 - Creating your project on driverCentral

1. Visit <http://www.drivercentral.io>
2. Log into your driver Central dealer account.
3. Visit the Project Portal
4. Click on Create Project



The screenshot shows the 'Project Portal' interface. At the top, there is a header with the text 'Click on a project or create new project' and two buttons: 'Download Cloud Driver' (blue) and 'Create Project' (green). Below the header is a search bar with the placeholder text 'Search in table'. Under the search bar, there are two columns: 'Project Name' and 'Status', both with a dropdown arrow. At the bottom right, there is a pagination control showing '« ‹ 1 › »', indicating that there is one page of results.

- It will prompt you for a project name. Type in a meaningful name for your customer's project



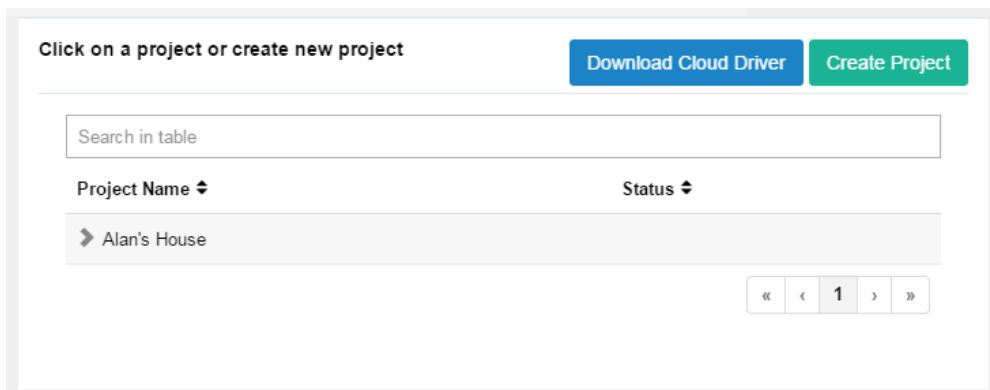
Project Creation

Project Name

Enter Project Name

Create Project

- Click on Create Project
- Click on the project we just created to expand the project



Click on a project or create new project

Download Cloud Driver Create Project

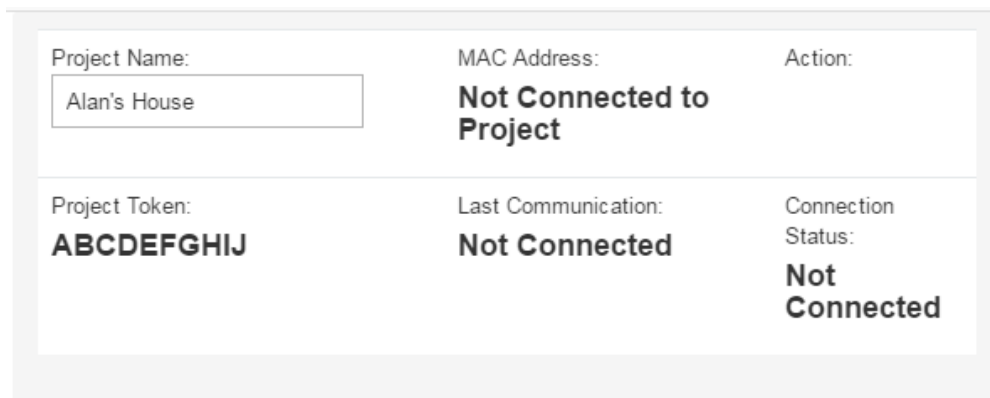
Search in table

Project Name Status

Alan's House

« < 1 > »

- Take note of the Project Token as this will be used in STEP 3 when we install the driverCentral cloud driver.



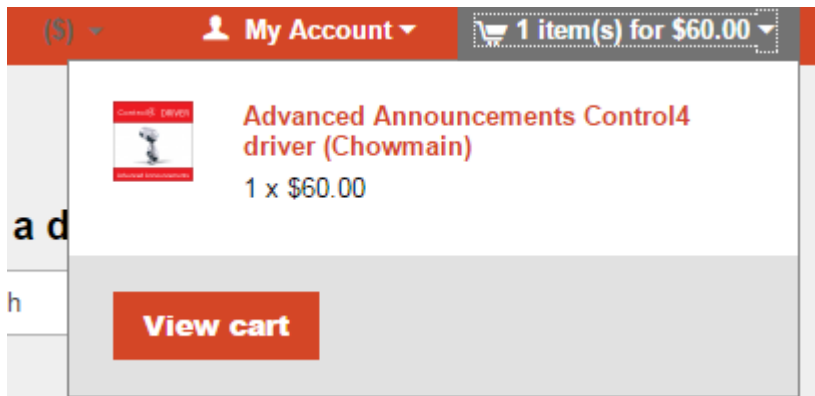
Project Name: Alan's House	MAC Address: Not Connected to Project	Action:
Project Token: ABCDEFGHIJ	Last Communication: Not Connected	Connection Status: Not Connected

STEP 2 –Purchase driver licence

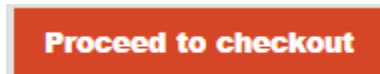
1. Visit <https://www.drivercentral.io/chowmain-ltd/> and find the product/driver you want to purchase a licence for.
2. Click on the Add to Cart button



3. Click on the Shopping Cart icon in the top right corner and click on View cart




4. Confirm that your order is correct and click on Proceed to checkout



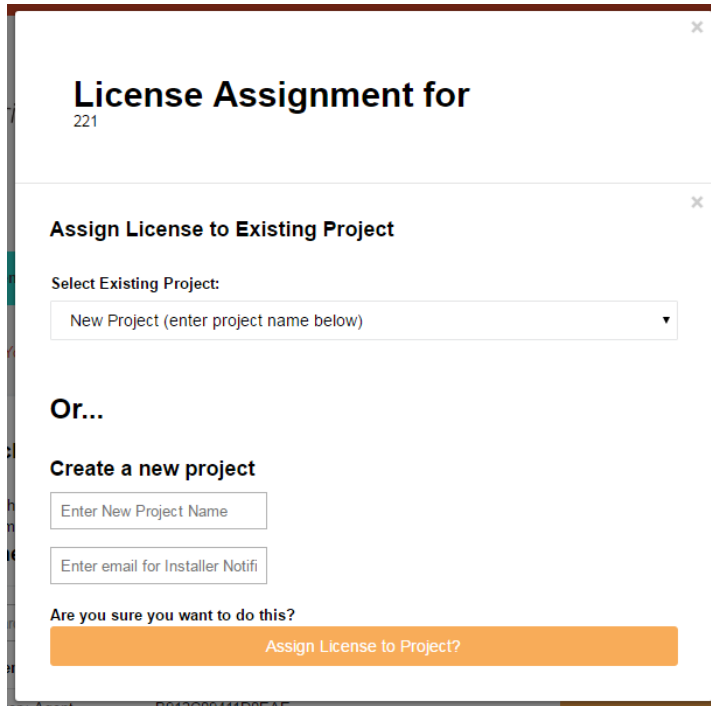
5. Follow the prompts and click on Submit my order



6. This will take you to PayPal for payment.
7. Pay via PayPal. It will automatically return to the marketplace when confirmed.
8. You will now be at a page where you can see your purchased licence.

License Name ↕	License Key ↕	Project Assigned ↕	Action ↕
			<button>Assign to Project</button>

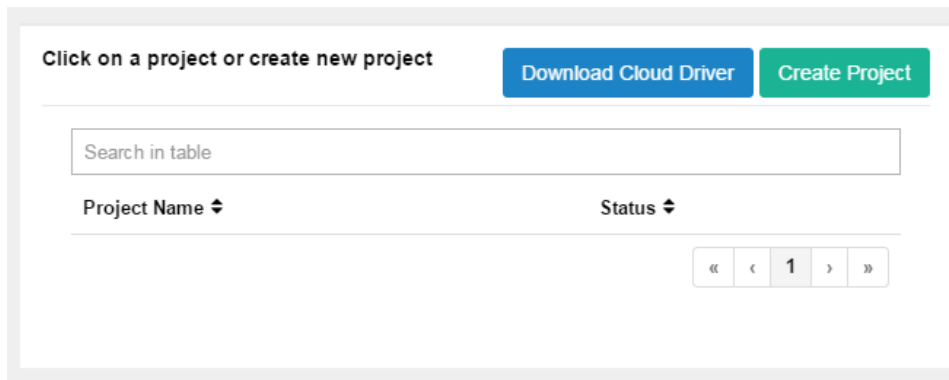
- From here assign the licence to the project we created or if you did not follow that step create a new project



STEP 3 – Install and activate the driverCentral cloud driver

NOTE: Only one instance of the driverCentral cloud driver installed per project. Do not install additional cloud drivers.

- Visit <http://www.drivercentral.io>
- Log into your driver Central dealer account.
- Visit the Project Portal
- Click on Download Cloud Driver



- Copy the C4Z driver to My Documents\Control4\Drivers directory.
- Add the driver to your project.

- Click on the driver to view it's properties

Cloud Status	Please enter cloud project token below...
Project Information	(1) Total, (0) Licensed, (0) Trials, (1) Expired, (0) Updates.
Driver Version	1001
Project Token	<input type="text"/>
	Project token from driverCentral.io project portal
Driver Actions	<input type="button" value="v"/>
Debug Mode	Off <input type="button" value="v"/>

- Type in the project token we took note of in STEP 1.
- Click on the Actions tab
- Click on Check Drivers

STEP 4 – Install Chowmain driver

- Install the Chowmain driver
- You will notice that the Activation Status reflects a Licence Activated state.
- Any driver that does not have a purchased licence will have a trial licence activated via the marketplace. Note that there is no way to reactivate the trial so please use wisely.
- If you do not then press the Check Drivers action in the driverCentral Cloud driver again.

Activation Status	Update Available!!! License Activated
Driver Version	1002
Driver Information	Navigate to connections tab and make serial binding
Automatic Updates	Off <input type="button" value="v"/>