

## Integration Note

Manufacturer:	<b>Videostorm</b>
Model Number(s):	<b>IRUSB</b>
g! Core Module Version:	<b>g!8.2</b>
Driver Developer:	<b>Chowmain Software &amp; Apps</b>
Document Revision Date:	January 12, 2018

## Overview & Supported Features

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

The Chowmain IRUSB driver for ELAN provides IP control over the IRUSB with keyboard text entry, direct app launching, transport controls and more.

It adds additional IR outputs to ELAN by replicating the Global Cache protocol allowing for control over local IR devices via the built in ELAN Global Cache drivers.

Lastly it also can detect when audio starts and stops. This is useful for automating selection of the device for Android TV boxes that have Chromecast built in. Now you can cast YouTube, Netflix or Stan via your mobile phone/tablet or by voice using Google Home and have ELAN automatically select the box as a source with full transport control over the casted content.



## Features

- IP control over the majority of Android based devices such as Amazon Fire TV, Nvidia Shield, Foxtel Now, Xiaomi Mi Box and more.
- Detection of Audio Signal or Absence of Audio Signal for automated room on.
- Ability to direct launch many of the popular applications
  - Amazon
  - DirecTV
  - Disney
  - ESPN
  - HBO
  - HD Homerun
  - Hulu
  - iHeartRadio
  - Kodi
  - Netflix
  - Pandora
  - PBS
  - Showtime
  - Spotify
  - Tunein
  - VEVO
  - Vimeo
  - Youtube
- 3 Custom config strings for custom app launching for apps not listed above (note Android intent required for launching).
- Keyboard support for text entry (perfect for inputting username, password or search text).

- Global Cache emulation allows you to add additional IR outputs.

**Can you give us some examples of how we could use this driver?**

- Add additional controlled AV zones to ELAN by simply adding an Android box. Control the TV using the IR emitter and control the Android box via IP.
- Devices such as the Nvidia Shield and Amazon Fire TV have problematic control. For example in 2017 Amazon broke ADB control in their 4K lineup of Fire TV's. This hardware / software combo gets around these issues and ensures it won't happen again.

**Do you offer showroom discounts?**

We offer dealers a free showroom licence for demonstration and educational purposes. See link below for T&C's and signup procedure.

[Chowmain Dealer Showroom FAQ](#)

**I want to try this driver out before buying it?**

All Chowmain drivers for ELAN come with a 7 day trial. This is activated once you add the driver to the project (internet required). No additional steps are necessary.

Any feature not specifically noted as supported should be assumed to be unsupported.
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## IR Output Configuration

The IRUSB can emulate the global cache protocol. This is enabled via the Google Play Store application. Once enabled add a Global Cache communications device and IR Sender. You will need to enter in the IP address of the Android box in the communications device and also configure which Module:Device to use in the IR Sender. Note if you only have one leave it as 1:1

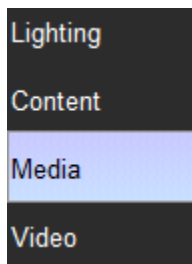
## g! Configuration

This driver will provide control over Android devices with the Videostorm IRUSB installed. The driver requires a valid licence for use. Licences can be purchased from Chowmain's distributor [driverCentral](#). Customers can also trial the driver out for 7 days prior to licence purchase. Dealers who have showrooms can demonstrate the driver for free via the Chowmain Dealer Showroom Licence. You can apply for this licence via the [Chowmain website](#). Please follow the steps below. If you encounter any issues please submit a ticket via the driverCentral website.

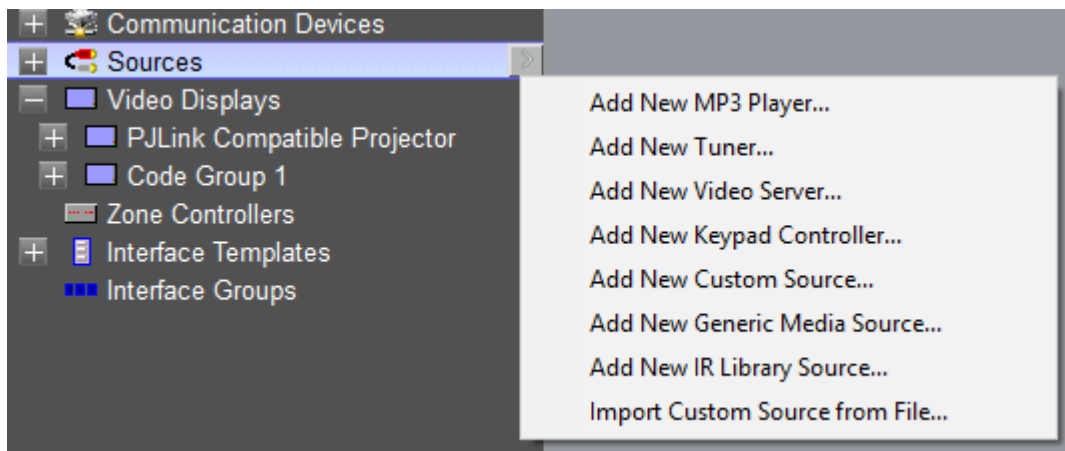
## Installation Process

Please follow connect the IRUSB to the android box's USB port and install/configure the required IRUSB android application from Google Playstore before proceeding with the g! Configuration steps below.

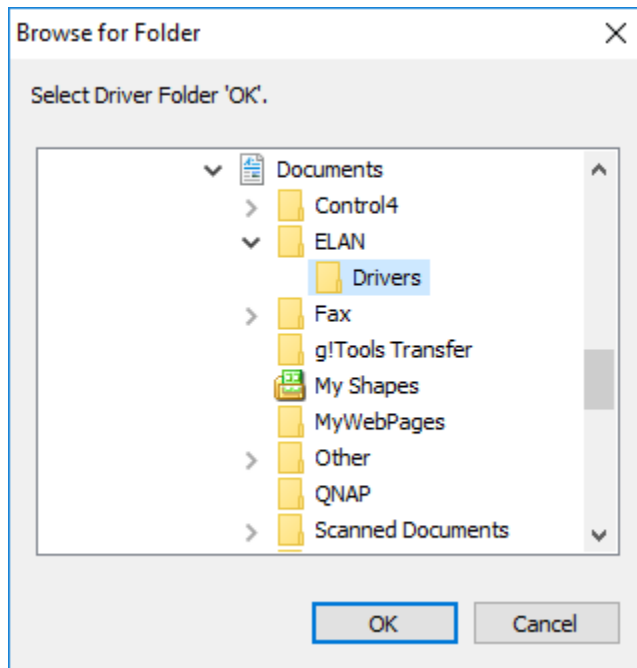
1. Download the latest version of the driver from our distributor [driverCentral](#).
2. Extract the file to your preferred ELAN driver storage location.
3. In configurator click on the Media tab



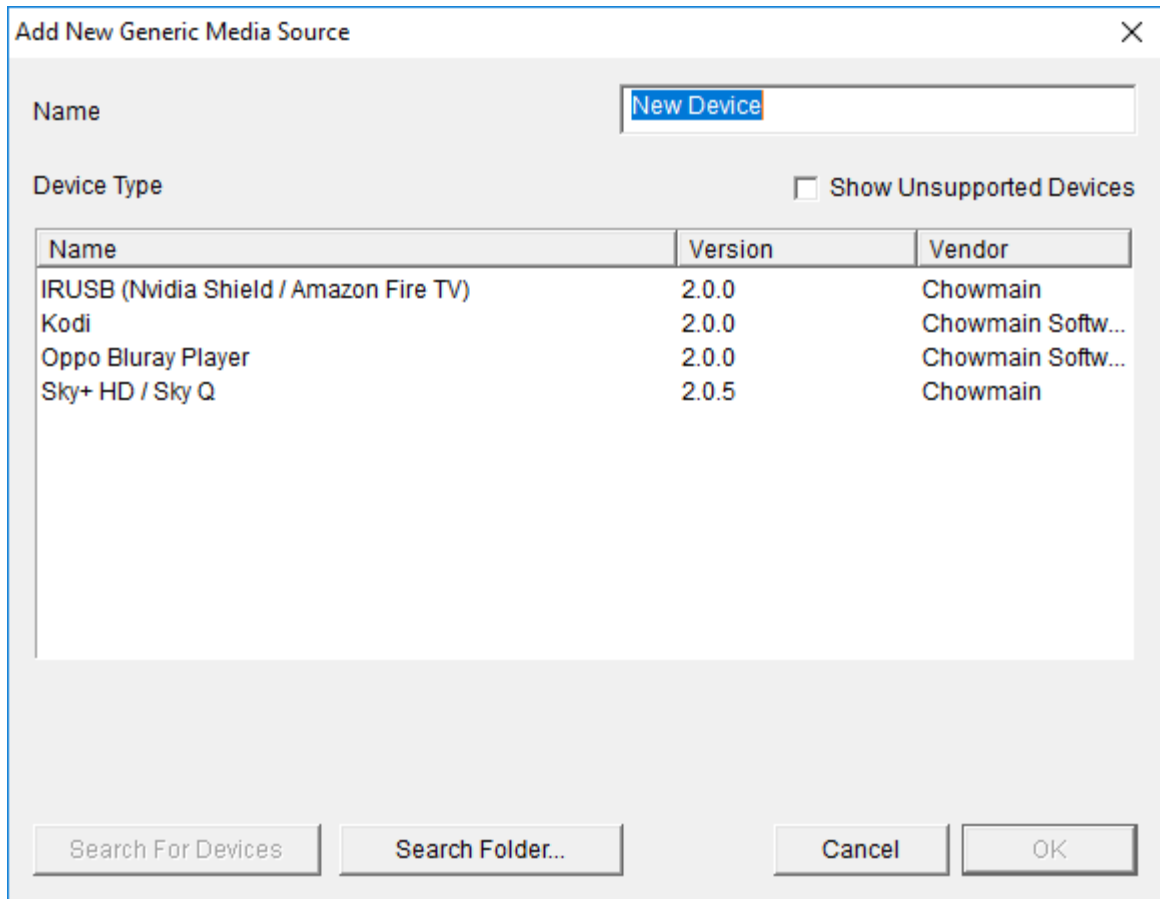
4. Click on the arrow next to Sources Devices
5. Click on Add New Generic Media Source



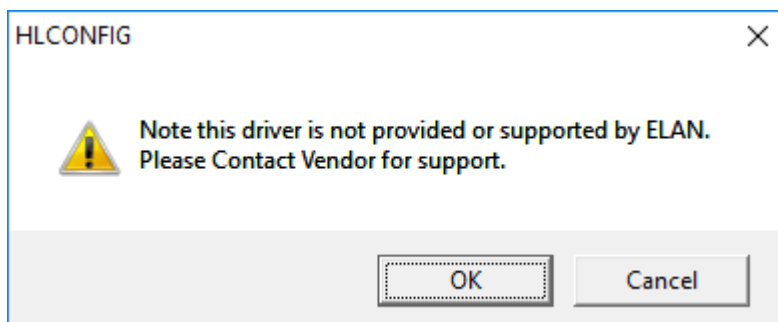
6. Click on the Search Folder button
7. Select your driver folder and press ok




8. Select the IRUSB driver.



9. Configurator will warn you that the driver is not provided or supported by Elan. Click on OK.



10. Highlight the IRUSB driver with the  symbol next to it.
11. The driver will advise you that you have 7 days to test the driver out. If you have purchased an activation key please type it in here then click on Apply.

Activation Key	
Activation Status	TRIAL - 48 HOURS REMAINING

12. Note that if you have typed in a valid activation key your status will change to ACTIVATED (you need to click off of the driver onto something else and back again to see the changes to the status).

Activation Status	ACTIVATED
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13. Enter the IP Address of the Android box.

IP Address	172 . 16 . 16 . 196
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14. Click on each Page Layout and modify to delete the apps buttons/images not used or modify each interface to suit other applications which you may want to use. Note other applications have been added as Universal Functions as well so please choose the apps your customer wants.
15. Expand on your Video Display or your Zone Controller
16. Click on the input you want to configure
17. Assign the IRUSB driver as the source device
18. Congratulations you have successfully setup the IRUSB driver for ELAN.

## g! CONFIGURATION DETAILS

The following table provides settings used in Configurator when connecting to Sky+HD / SkyQ devices. Please refer to the Configurator Reference Guide for more details.

Devices	Variable Name	Setting	Comments
Generic Media Device (Oppo Bluray Player)	Name	<User Defined>	
	System #	<Auto Detect>	
	Driver Version	<Auto Detect>	
	Driver Vendor	Chowmain Software & Apps	
	Device Type	IRUSB (Nvidia Shield/Amazon Fire TV)	
	Activation Key	<User Defined> This is the driverCentral activation Key	See Note 1
	Activation Status	<Auto Detect> This provides the licence status feedback	See Note 1
	Custom App A, B, C	<User Defined> This is the custom string to launch each app via Android Intent	
	Debug Mode	<User Defined> This sets the logging for the driver.	See Note 2
	IP Address	<User Defined> This is the IP Address of the Android Box.	See Note 3



**Notes:**

1. The driver requires a valid licence for use. Licences can be purchased from the driverCentral website. All of the licences are site licences. This means that you can use as many instances of the driver as you want in a single system with the one licence. The driver also comes with a built in 7 day trial. The driver will provide feedback as to the state of the licence in the Activation Status field.
2. Debug Mode – This is used for troubleshooting. By default it is set to off. print is used by technical support for live troubleshooting. log is used to output to the driver log. Print and log is used to provide technical support with live troubleshooting and log to driver log at the same time.
3. This is the IP Address of the Android Box. Please make sure that it is on a static IP address or reservation. Change of IP address will result in loss of control.

## COMMON MISTAKES

1. IP Address needs to be on a static IP address or IP reservation
2. IRUSB dongle needs to be permanently plugged in and the IRUSB app from google play store needs to be installed/setup. See Videostorm's installation documentation for details.

## ELAN DEVELOPER PARTNER INFORMATION

This ELAN driver was written and supported by:



<http://www.chowmainsoft.com>