

Generic_TCP_Command Driver Installation and Usage Guide



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chowmainsoft

Contents

Overview.....	5
Usage Scenarios.....	6
Features.....	8
Web To Variables.....	8
Generic TCP Driver.....	8
Quick Start Guide.....	10
Requirements.....	10
Web To variables.....	10
Generic TCP.....	10
How to use Parameters.....	10
How to send HTTP Post data.....	11
Special Characters.....	12
Controlling Control4 from iPhone Shortcuts or Siri.....	13
Controlling Control4 from 3rd party devices.....	16
Generic TCP - Advanced Programming.....	17
Programming TCP commands to fire.....	17
Programming UDP commands to fire.....	17
Programming HTTP GET commands to fire.....	18
Programming HTTP POST commands to fire.....	19
Programming Wake-on LAN commands to fire.....	19
Making Quick IP Drivers in Control4.....	20
Using the HTTP POST command to fire a push notification.....	20
How to use variables.....	21
FAQ.....	22
Can you give us some examples of how we could use this driver?.....	22
Are there any other cool things we can do with this driver?.....	22
Is it possible to send Telnet commands?.....	22
Is it possible to send UDP broadcasts?.....	22
Does the driver handle feedback?.....	22
The & symbol isn't appearing in the Programming's Command Script when it appears in the Web Address. Why?.....	22

What Data can Web To Variables convert?.....	22
Licensing.....	23
Marketplace.....	23
To Purchase drivers.....	23
Create Chowmain Project and obtain Project Code.....	23
To Assign purchased drivers to Project.....	24
Control4.....	26
To Download and install Chowmain drivers:.....	26
Install Chowmain Agent.....	27
Link Project Code to Control4 Project.....	28
LICENCING FAQ.....	28
What are the Requirements for Chowmain licencing?.....	28
How do I know if the deployed driver is using Chowmain Licencing?.....	28
How does the trial period work?.....	29
What benefits does Chowmain Project Agent provide?.....	29
Where do I buy a Licence from?.....	30
Can I upgrade old versions of drivers from other marketplaces to Chowmain?.....	30
Developer Information.....	31
Support.....	32
Ticket / Live Chat Support.....	32
Phone Support.....	32
Driver Documentation.....	32
Change log.....	33
Version 20261005 - 05-OCT-2026.....	33
Version 20260803 - 03-AUG-2026.....	33
Version 20260625 - 25-JUN-2026.....	33
Version 20260507 - 06-MAY-2026.....	33
Version 20250807 - 07-AUG-2025.....	33
Version 20250408 - 08-APR-2025.....	33
Version 20250314 - 14-MAR-2025.....	33
Version 20250212 - 12-FEB-2025.....	34
Version 20250204 - 04-FEB-2025.....	34
Version 20240912 - 12-SEP-2024.....	34
Version 20240806 - 06-AUG-2024.....	34

Version 20221006 - 10-OCT-2022.....	34
Version 20210119 - 19-JAN-2021.....	34
Version 20200922 – 22-SEP-2020.....	34
Version 20200714 – 14-JUL-2020.....	35
Version 20170710 – 10-JUL-2017.....	35
Version 20170322 - 22-MAR-2017.....	35
Version 20150818 - 18-AUG-2015.....	35
Version 20150507 - 07-MAY-2015.....	35
Version 20150407 - 07-APR-2015.....	35
Version 20150319 - 19-MAR-2015.....	35
Version 20141230 - 30-DEC-2014.....	35
Version 20141230 - 30-DEC-2014.....	35
Version 20141217 - 17-DEC-2014.....	35
Version 20141118 - 18-NOV-2014.....	36
Version 20140331- 31-MAR-2014.....	36
Version 20140328- 28-MAR-2014.....	36
Version 20140324 - 24-MAR-2014.....	36

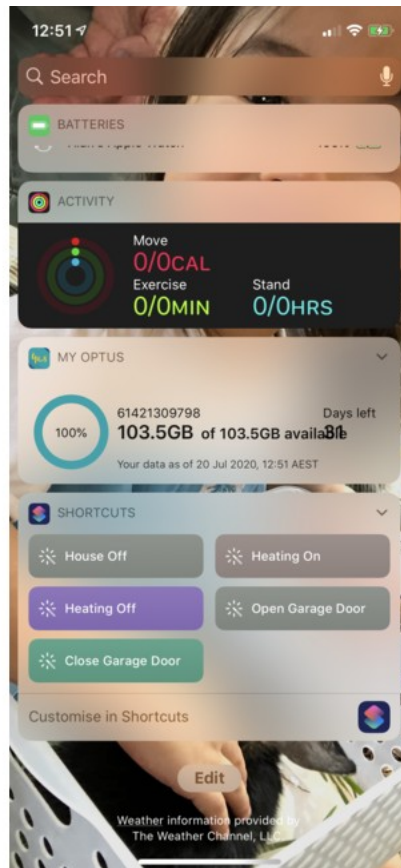
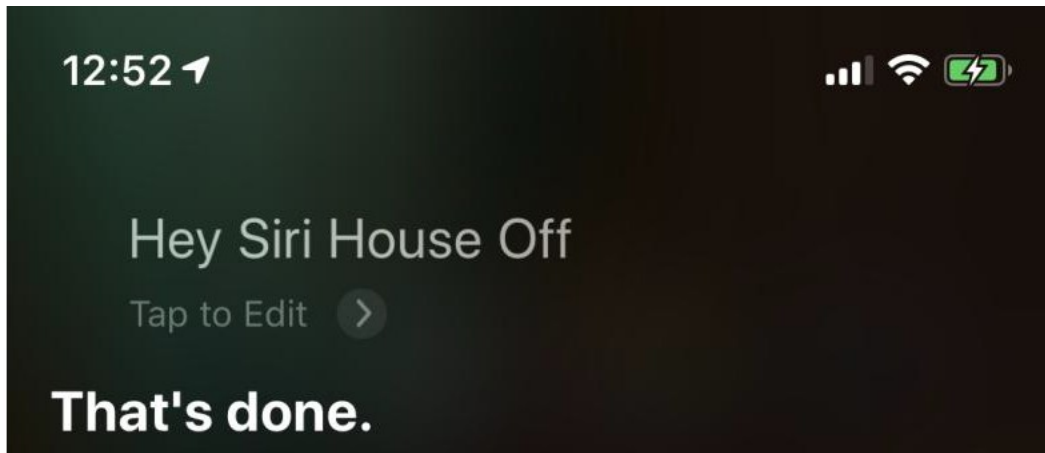
Overview

The Chowmain Generic TCP Command drivers for Control4 provides integrators the ability to expand IP control within Control4 without requiring them to develop drivers with driverworks. This is done by providing access to send TCP / UDP / HTTP commands to 3rd party devices or services via the programming tab. It also allows Control4 to receive HTTP commands allowing for 3rd party control of Control4. This can be used by cameras providing motion detection, line trips and other alarms and can even be utilised by iPhones to provide shortcut control or Siri based control.

Our newly included Web To Variables driver allow Web GET/POST JSON services to provide data to Control4 which can be exposed via Variables.

Usage Scenarios

- Firing a command to start-up or shutdown a NAS drive
- Firing a command to trigger an IP Camera to start recording
- Making a quick TCP/IP based AV driver.
- Using push notification services such as pnotify.com to give you dynamic feedback about your home.
- Posting Control4 data (such as usage, temperature, lux levels, power usage, etc) to a database server.
- Controlling Control4 from 3rd party systems (via inbound HTTP get commands) such as IP cameras trigger Control4 on motion, line crossing, tamper, etc or even Siri!
- Log Control4 usage data to a database
- Send a SMS via an online SMS gateway
- Send a Push Notification via an online push notification service (eg <http://pnotify.com> or <http://www.prowlapp.com>)
- Send commands to Control4 using iPhone shortcuts or from Siri
- Poll weather services for weather information



Features

Web To Variables

- Converts JSON Data to Control4 Variables
- HTTP/HTTPS Support
 - HTTP Get,Post and Put Requests
 - Supports URL encoded usernames, passwords and ports eg <http://192.168.1.131:32400/library>
 - Authentication is supported via URL encoding
- Enable or disable SSL Validation
- Supports 3 custom headers
- POST data support
- Automatic Polling
- Auto configuration of variables as Strings, boolean or numbers based on the data
- Manual polling for data
- Provides HTTP Response Code as a variable
- Supports inserting variables into URL, body and headers (either value or key). This means you can now integrate dynamic messages

Generic TCP Driver

- Everything is programmed from the Actions tab
- HTTP commands
 - Supports URL encoded usernames, passwords and ports eg <http://192.168.1.131:32400/library>
 - Support for HTTP GET and HTTP POST commands
- HTTP events
 - Control Control4 with an infinite number of web events. Integrate camera motion detection, camera line crossing, iPhone shortcuts, iPhone Siri and more.
- TCP commands
 - Definable IP Address, Port and Command
 - Command can contain special character delimiters such as carriage returns or line feeds (eg \r\n).
- Wake-On LAN command
 - Can be used to wake up a sleeping or powered off device that supports wake on lan (eg computers or NAS drives).
- Ascii based TCP and UDP commands
 - Definable IP Address, Port and Command
 - Command can contain special character delimiters such as carriage returns or line feeds (eg \r\n)

- Can be used to wake up a sleeping or powered off device that supports wake on lan (eg computers or NAS drives)
- Can be used to quickly integrate devices not normally integrated within Control4's driver wizard by adding tcp commands to
- their events page.
- Can insert variables into a URL or the command. This means you can now integrate dynamic messages

Quick Start Guide

IMPORTANT - Perform Licencing Steps first

Requirements

- Generic TCP and Web To Variables requires Control4 OS version 3.1.3 or later

Web To variables

This driver can be used to convert JSON feedback from webservices to Usable Control4 Variables. An example JSON response is:

```
{
  "code" : "303",
  "response" : "OK",
  "users" :
  [
    "Joe",
    "Andy"
  ]
}
```

1. Select the Request type
2. Set the URL in the format of http://user:pass@address/etc
3. If post data is required, include it in the Post Request Body property
4. Set up any custom headers. Please note, headers are generally case sensitive
5. Press AutoSetup Variables to automatically generate the variables
6. You can use Variables Agent under Agents tab to identify the name and values of the variables which have been generated
7. A Poll command is provided for manual polling

Generic TCP

This driver is designed to send various generic TCP commands to devices. It includes the following command types including variable insertion

- Generic RAW TCP Packets
- HTTP GET commands to any webserver. Support for HTTP Basic Auth and Different ports is included.
- HTTP Post commands to any webserver. Support for HTTP Basic Auth and Different ports is included.
- Wake On Lan Packets

How to use Parameters

- The driver will grab variables from the Control4 project to add to the details field.

- To add any parameter type (number, device, boolean or string) you can type in PARAM{deviceid, variableid} into the web address or command fields of the driver. The driver will search the project for the variable and insert it into details field.
- You can get the device id and variable id by either editing the project xml or by copying existing statements out of the programming script and pasting it into notepad. More details on this are documented in the driver user manual.

How to send HTTP Post data

HTTP Post data is in the format of;

name1=value1

Additional name/value pairs can be seperated with a \& sign;

example name1=value1&name2=value2

Special Characters

Here is a list of C-like escape sequences you can use

Escape Sequence	Description
<code>\a</code>	bell
<code>\b</code>	back space
<code>\f</code>	formfeed
<code>\n</code>	newline
<code>\r</code>	carriage return
<code>\t</code>	horizontal tab
<code>\v</code>	vertical tab
<code>\"</code>	backslash
<code>\"</code>	double quote
<code>'</code>	single quote
<code>[</code>	left square bracket
<code>]</code>	right square bracket

Controlling Control4 from iPhone Shortcuts or Siri

This section details how to setup your iPhone shortcuts or Siri on your iPhone to fire the events we created in the previous section (labelled Controlling Control4 from 3rd party devices).

It assumes you have completed that section with all desired functionality before attempting this section.

1. The shortcuts app is pre-installed on all iPhones. If you have deleted the Shortcuts app please reinstall the app from App Store



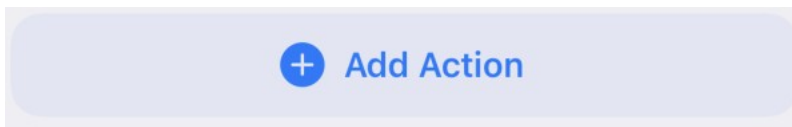
2. Once installed please launch the App
3. Click on the My Shortcuts Icon



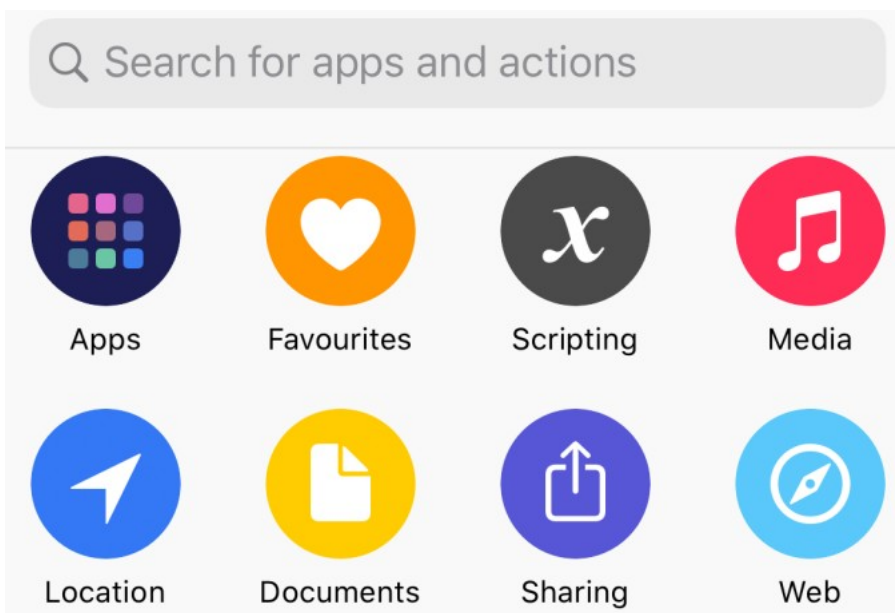
4. Click on the + symbol on the top right



5. It will now prompt you to create a new shortcut
6. Click on Add Action



7. Click on Web



8. Select **Get Contents of URL** under **Web Requests**

Web Requests



Get Contents of URL



9. Type in the URL we created in the section labelled **Controlling Control4 from 3rd party devices** and press **Next**



NETWORK



Get contents of <http://192.168.0.250:49904/houseOff>

Show More



10. Type in the shortcut name.

Note this name is used to tell siri to run the shortcut

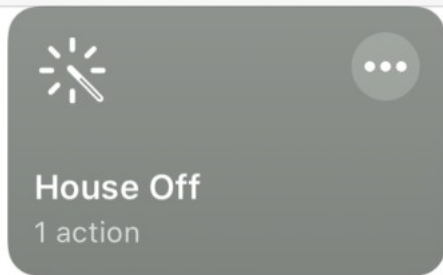


House Off



Just say "Hey Siri, House Off" to run this shortcut.

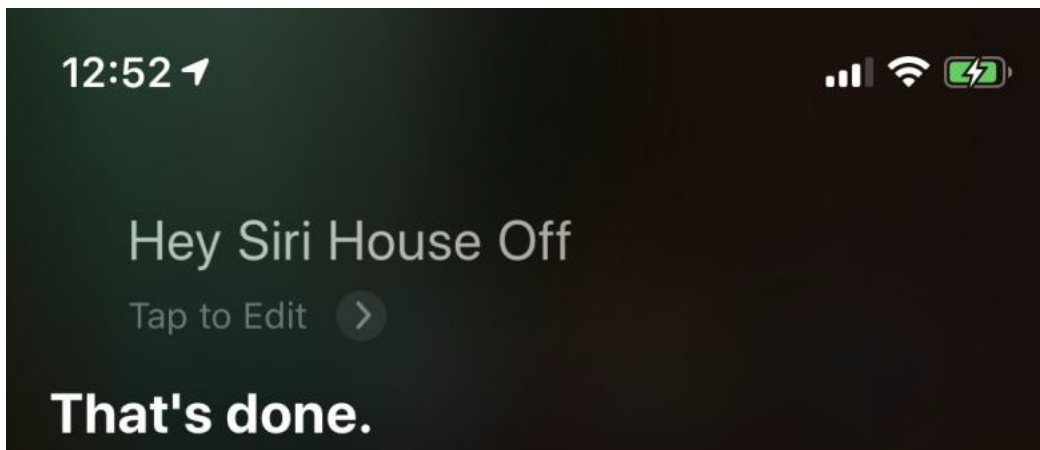
11. Test out your shortcut under **My Shortcuts**



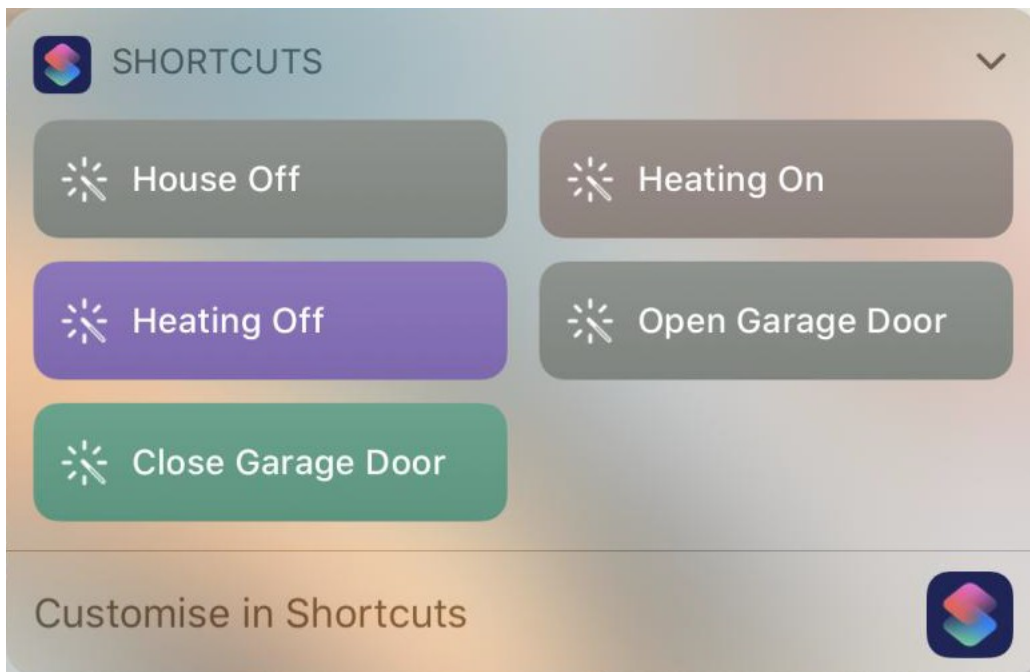
12. Once confirmed, close the app

13. Test by executing the shortcut using Siri

Hey Siri House Off



14. Alternatively you can use execute the shortcut using the Shortcuts widget on your iPhone.



Congratulations you have setup Shortcuts to control Control4

Controlling Control4 from 3rd party devices

This functionality allows you to control Control4 using HTTP GET commands from 3rd party devices

1. In the **System Design** tab and select the **Generic TCP Command** driver
2. Take note of the Webserver Address as this is the base URL we need later on

Webserver Address

3. To create events type in endpoints for each event in the Add incoming command box.

Add incoming command

For example;

- motionDetected
- houseOff

4. If you want to delete any events you can do so from the 'Remove incoming command' drop down.

Remove incoming command
Debug Mode

5. Click on the 'Programming' tab and select the 'Generic TCP Command' driver in the events side (left)

6. Select the event in the drop down box you want to program

Generic TCP Command Events
☒ Command Sent
Command Sent
garageClose
garageOpen
heatingOff
heatingOn
houseOff

7. Add desired programming to the event.
8. Test out the URL in your web browser to verify it fires the programming. The address is a combination of the base URL and the endpoints we created. The driver will reply with COMMAND SUCCESS if it receives the command and has fired the event.

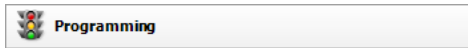
CONTROL4 COMMAND
Not secure | 192.168.0.250:49904/houseOff
COMMAND SUCCESS

Generic TCP - Advanced Programming

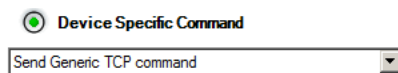
Programming TCP commands to fire

Please note that this will only send ascii based TCP messages

1. Click on the **Programming** tab



2. Under **Device Events** select the event on which you want to trigger the command on
3. On the **Device Actions** side select the *Generic TCP Command* driver
4. Click on the radio button labelled **Device Specific Command**
5. Select **Send Generic TCP command** from the drop down box

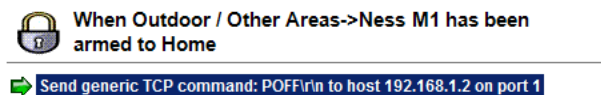


6. Enter in the IP Address, Port and Command you wish to send. Note special characters can be inputted as well

eg \r\n is carriage return and line feed

IP Address	192.168.1.2
Port	1
Command	POFF\r\n

7. Drag and drop the Green arrow into your script section

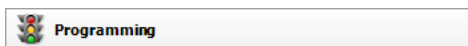


8. Congratulations you have setup a TCP command to fire upon that event

Programming UDP commands to fire

Please note that this will only send ASCII based UDP messages.

1. Click on the **Programming** tab



2. Under **Device Events** select the event on which you want to trigger the command on
3. On the **Device Actions** side select the **Generic TCP Command** driver
4. Click on the radio button labelled **Device Specific Command**
5. Select **Send Generic UDP command** from the drop down box

6. Enter in the IP Address, Port and Command you wish to send. Note special characters can be entered as well
eg \r\n is carriage return and line feed

IP Address	192.168.1.2
Port	1
Command	POFF\r\n

7. Drag and drop the Green arrow into your script section
8. Congratulations you have setup a UDP command to fire upon that event.

Programming HTTP GET commands to fire

1. Click on the **Programming** tab



2. Under **Device Events** select the event on which you want to trigger the command on
3. On the **Device Actions** side select the Generic TCP Command driver
4. Click on the radio button labelled **Device Specific Command**
5. Select **Send HTTP GET command** from the drop down box

Device Specific Command

Send HTTP GET

6. Enter in the URL of the command.
Note that HTTP Auth usernames and passwords are allowed along with port numbers in the following format http://user:pass@ip:port/command

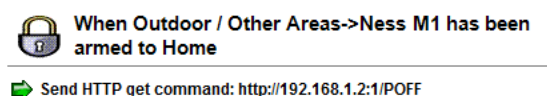
If you want to add in variables please do so in the format of PARAM{x,y}. See the section labelled, *How to Use Variables* for more details.

Note that HTTP Auth usernames and passwords are allowed along with port numbers in this format http://user:pass@ip:port/command.

- eg http://root:password@192.168.1.2:23/poff
- eg http:// 192.168.1.2:23/poff
- eg http://root:password@192.168.1.2/poff

Web Address	http://192.168.1.2:1/PO
-------------	-------------------------

7. Drag and drop the Green arrow into your script section



➡ Send HTTP get command: http://192.168.1.2:1/POFF

8. Congratulations you have setup a HTTP command to fire upon that event.

Programming HTTP POST commands to fire

1. Click on the **Programming** tab



2. Under Device Events select the event on which you want to trigger the command on
3. On the Device Actions side select the Generic TCP Command driver
4. Click on the radio button labelled Device Specific Command
5. Select 'Send HTTP POST command' from the drop down box

 Device Specific Command

Send HTTP POST

6. Enter in the URL of the command.

*Note that HTTP Auth usernames and passwords are allowed along with port numbers in the following format `http://user:pass@ip:port/command` *

If you want to add in variables please do so in the format of `PARAM{x,y}`. See the section labelled how to use variables for more details.

- eg `http://root:password@192.168.1.2:23/poff`
- eg `http:// 192.168.1.2:23/poff`
- eg `http://root:password@192.168.1.2/poff`

Web Address `http://192.168.1.2:1/PO`

1. Enter in the data you want to post into the Post Data field format should be name=value with & signs to separate multiple data fields eg `name1=value1&name2=value2` etc

Post Data `title=testing title&detail=te`

2. Drag and drop the green arrow into your script
Congratulations you have setup a HTTP command to fire upon that event

Programming Wake-on LAN commands to fire

1. Click on the 'Programming' tab



2. Under Device Events select the event on which you want to trigger the command on.
3. On the Device Actions side select the Generic TCP Command driver.
4. Click on the radio button labelled Device Specific Command.
5. Select 'Send WOL command' from the drop down box

 Device Specific Command

Send WOL

6. Enter in the MAC Address for the device you want to send the wake on lan request to

MAC Address `00:11:22:33:44:55`

7. Drag and drop the green arrow into your script

 Send WOL to MAC: 00:11:22:33:44:55

Congratulations you have setup a wake on lan command to fire upon that event.

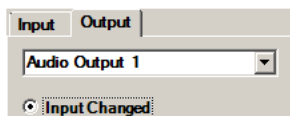
Making Quick IP Drivers in Control4

This method uses the Chowmain Generic TCP Command driver in conjunction with the driver wizard to quickly make a TCP based driver for any AV based device.

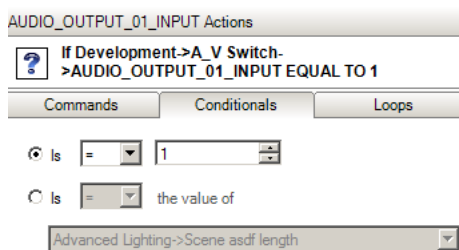
1. Create a device in the driver wizard (can be IR or RS232 based it doesn't matter).
2. Add the driver to your system.
3. Make the AV connections for the device (do not make any IR or RS232 connection bindings).
4. Click on the 'Programming' tab



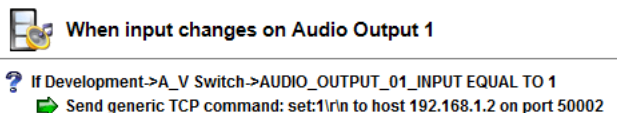
5. Under Device Events select the device you just created.
6. Select the Device Event you want to program for



7. Under the Device Actions select any conditionals you want to add in addition to the event

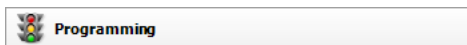


8. Drag and drop the green arrow into the script section

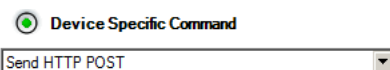


Using the HTTP POST command to fire a push notification

1. Visit <https://pushover.net/api#messages> and follow the setup steps
2. In Composer click on the 'Programming' tab



3. Under **Device Events** select the event on which you want to trigger the notification on
4. On the **Device Actions** side select the **Generic TCP Command driver**
5. Click on the radio button labelled **Device Specific Command**
6. Select **Send HTTP POST** from the drop down box



Enter in the URL of the urlencoded pushover URL (<http://api.pushover.net/1/messages>).

Note: You will need to register with Pushover to receive your token

7. Enter in the token, user, token and any other parameters in the Post Date field.

Note: Format should be URL Encoded/Percent Encoded

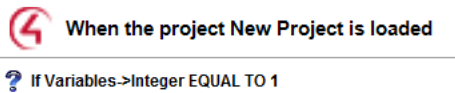
token=abc123&user=abc123&message=This+is+the+message

8. Drag and drop the green arrow into your script.

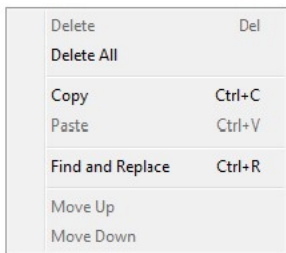
Congratulations you have setup a push notification using pnotify.com to fire upon that event.

How to use variables

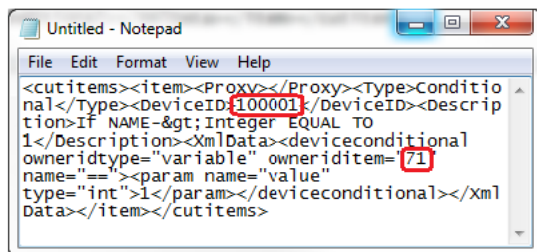
1. In the programming tab create an action with the variable you want to get



2. Right click and click on Copy



3. Open a text editor (notepad is available on all versions of windows) and paste the copied content.



4. Take note of the DeviceID and the owneriditem numbers (the above example is 100001 and 71)
5. Follow the steps in the first section of the document logging an event. To use the parameter type in PARAM{x,y}

where x is the DeviceID and Y is the owneriditem (variable id).

EG The current lighting level is PARAM{100001,71} percent.

FAQ

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

- This driver is useful to fire commands to shut down NAS drives, fire off camera triggers, fire off commands to your PC using event ghost. It can also be used to get weather information from unsupported weather services or even integrate with devices for basic monitoring. It can then be combined with other drivers which utilise variables or even use them for notifications

Are there any other cool things we can do with this driver?

- You can also create quick and simple IP based AV devices by firing off commands on the AV event. Though this is not substitution for a real IP driver it allows non driverworks developers to create simple drivers for their jobs where they cannot afford to hire a driverworks developer.

Is it possible to send Telnet commands?

- Unfortunately not. Neither driver have the capability to send multiple commands in sequence with time or response based delays

Is it possible to send UDP broadcasts?

- No. This driver can't send broadcast packets.

Does the driver handle feedback?

- Web To Variables processes JSON information into variables. Please note, it is not suitable for large quantities of data
- Generic TCP will happily send data however it doesn't handle responses from the endpoint

The & symbol isn't appearing in the Programming's Command Script when it appears in the Web Address. Why?

- This is simply a quirk of handling XML. The command is handled correctly when sent to the endpoint address.

What Data can Web To Variables convert?

- Web to Variables can only handle raw JSON data. XML and other formats are not supported. For more information on JSON, refer to: <https://en.wikipedia.org/wiki/JSON>

Licensing

Marketplace

To Purchase drivers

Chowmain Drivers are only available to authorized dealers. Integrators can sign up to a Chowmain account via the [Chowmain Website](#). Authorization of dealers can take up to 48 hours; however, you can trial the drivers without an account.

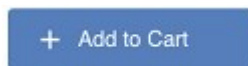
1. Navigate to the login page of Chowmain website: [Chowmain - Login](#)
2. Sign in using credentials provided after sign up request approval
3. Ensure you are logged into the website using website's header: registration and sign up buttons are replaced with cart icon and user icon



4. Navigate to the drivers page: [Chowmain - Drivers](#)
5. Alternatively, you can use the global search input in the header to find the driver



6. Search for and locate the driver you are interested. Click *Add To Cart*



7. Once you have added all drivers to your cart, navigate to the shopping cart: [Chowmain - Cart](#)
8. Click *Checkout & Pay*. Follow the directions



9. Purchase confirmation will be sent to your email, all orders can be viewed in the [Chowmain - Orders](#)
10. Once the payment is processed, the driver will be available in your account: [Chowmain - My Drivers](#)

Create Chowmain Project and obtain Project Code

Note:

- Showroom Projects contain all drivers of its Control System
- Paid licenses cannot be assigned to Showroom Projects
- Only 1 Project is required per home
- If the Project has already been created, do not create a second one
- If controller already has a Project code created by another installer, please contact the original installer for access. If the original installer is unavailable, contact [Chowmain - Support](#)

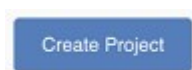
- If the controller has been replaced and the license needs to be transferred to a new controller you can do so yourself via the website

1. Ensure you are signed into the [Chowmain Website](#)

2. Navigate to [Dashboard => Projects](#)



3. Click *Create Project*:



4. Complete the details for the Project (*Project Name, Customer Name, Control System*)

5. Upon completion, take note of the **Project Code**. This is required to link the Control System to the newly created project

To Assign purchased drivers to Project

NOTE: Driver must already be purchased and a Project Code must be created as per above 'Create Chowmain Project and obtain Project Code' section

1. Navigate to [Chowmain Software - Projects](#). Click the *Project Name* you wish to assign the driver to

Project Name	Project Code	Licensed	Showroom	Platform ↑
100	XXXXXX	0	✓	
101	XXXXXX	0	✗	

Rows per page: 15 1-2 of 2 < >

2. Click the *Add License(s)*:



3. Select Drivers you wish to assign to the project, and click *Add Selected Drivers*:

×

Add Drivers to Project

Project #XXXXXX:
Project Name Example

☒

1 available

☒

1 available

☐

1 available

☐

1 available

☐

1 available

Add Selected Drivers

4. Alternatively you can add in drivers via the [Chowmain - Drivers](#)

5. The driver will be added to the project with the license status *Licensed*

	Driver Name	Version	License	Health	Autoupdate	Logging Approved	Log Level
☐ ▾			licensed	-	false	-	-
☐ ▾			licensed	-	false	-	-

Control4

To Download and install Chowmain drivers:

NOTE: Licensed Chowmain drivers come with a complimentary 90-day trial period. To license the driver, installation of the Chowmain Project Agent is required. The Project Agent is also required for automatic driver updates. Throughout the 90-day trial period, Chowmain Drivers operate without any limitations. After this period, the driver will be disabled unless properly licensed.

All Chowmain Licensed drivers require a minimum of OS 3.1.3 to operate correctly unless specified.

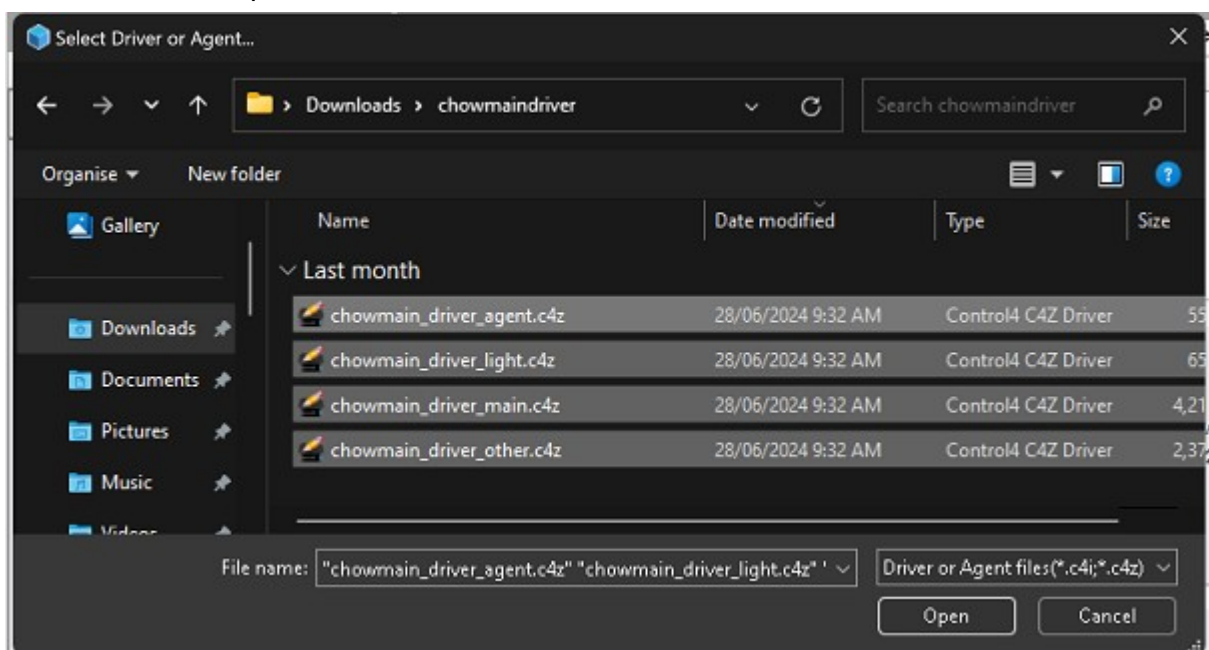
1. Visit: <https://chowmain.software>
2. Search and locate your driver, and click into the details by clicking the picture or heading.
3. Select Download. And extract the contents of the downloaded Zip file to a temporary directory



4. **Please note: For many drivers, it is no longer recommended to copy the contents of most modern drivers directly to your Control4/drivers directory.** The recommended method of updating drivers or installing drivers is in Composer Pro, navigate to the Driver=>Add Or Update Driver Or Agent menu item.



5. Locate the temporary directory containing your C4Z files. You can select and install/update all drivers simultaneously by selecting one and using Ctrl+A. Alternatively, click the top driver+shift+click the bottom. Click the open button. You will be alerted when drivers are installed



6. Install drivers as per normal. Please note, some drivers may be agents, and you must use the Agents tab in Control4 to install the driver. Composer Express does not support Agents, and Composer pro is recommended for all installers.

Install Chowmain Agent

Installation of the Chowmain Agent is required to licence drivers

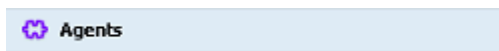
1. Download Chowmain Project Agent From the [Chowmain Project Agent Page](#)
2. Open Project In Composer Pro. Composer Express does not Support Agents and cannot be used
3. Navigate to the *Driver=>Add Or Update Driver Or Agent* menu item



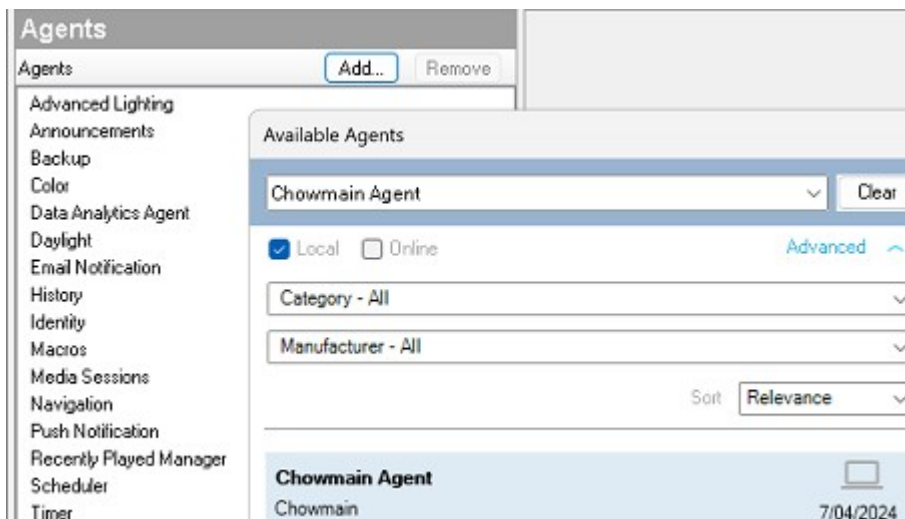
4. Add the *agent_chowmain.c4z* file



5. Navigate to the Agents View in Composer Pro



6. If *Chowmain Agent* is not already added to project, select the *Add* button in Agents and add the *Chowmain Agent* to Project

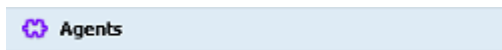


7. *Chowmain Agent* should be listed in the project.



Link Project Code to Control4 Project

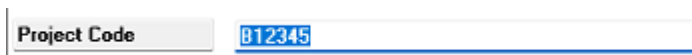
1. Ensure *Chowmain Agent* is installed on primary Control4 Controller. If not, follow the previous information
2. Navigate to the Agents View in Composer Pro



3. Select *Chowmain Agent* in the project



4. Enter the Project Code into the Project Code Property. You would have previously set this up on the *Chowmain* website as outlined in the Website portion of this document. If you have not set up a project you can do so via the [Chowmainsoft - Projects](#) webpage.



5. The status property will provide feedback on driver licencing status



6. **Please note:** If project code has been used previously on another controller you can revoke the licence for use again.

LICENCING FAQ

What are the Requirements for Chowmain licencing?

- Driver trials do not require Agent to be installed.
- To activate licenced drivers, *Chowmain Project Agent* must be installed.
- Composer Pro 3.1.3 or later is required to install and configure *Chowmain Project Agent*
- Internet is required during the licence registration process.
- If Internet is lost then the licence will persist the last state.
- If the *Chowmain Project Agent* is removed then licencing will be invalidated. Do not remove the *Chowmain Project Agent* once installed.

How do I know if the deployed driver is using Chowmain Licencing?

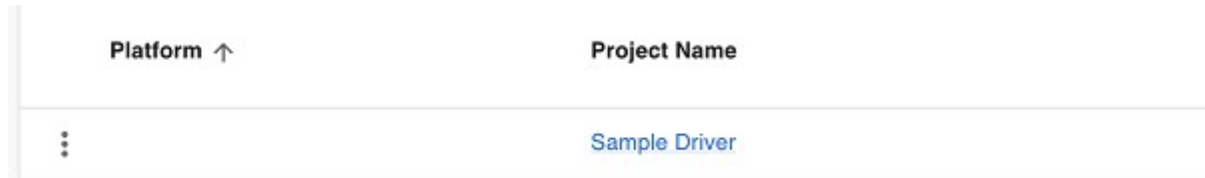
- There are multiple ways:

1. Chowmain licensed drivers have CM: in their cloud status property

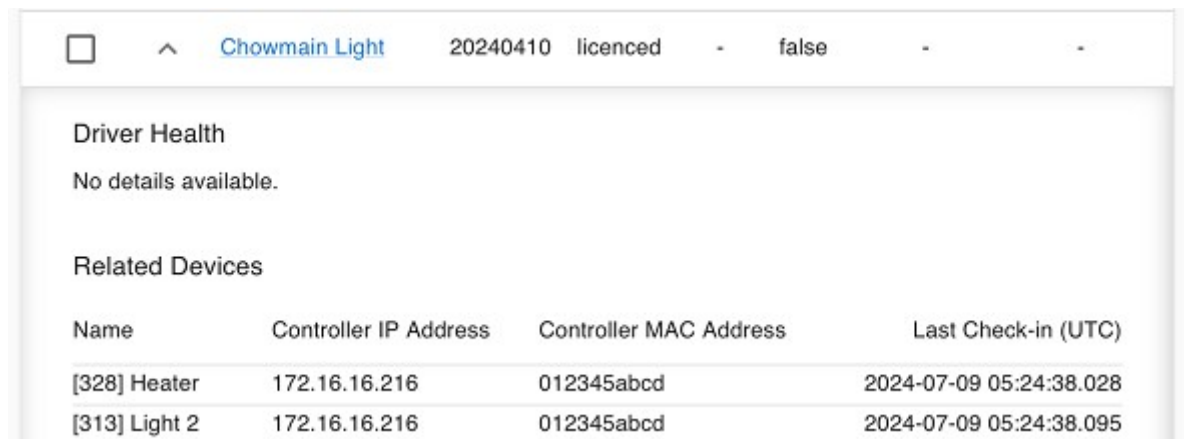


2. If the *Project Code* has been correctly entered in Chowmain Project Agent and the project is registered, you can find the list of Chowmain-licensed drivers deployed on your controller using the Chowmain website.

1. Navigate to [Chowmainsoft Website - Projects](#)
2. Select your Project Code



3. Known Chowmain Drivers will be listed, and if you select the driver, it will list which drivers in the project are known to be CM Licenced. Please note, this list may not update immediately



How does the trial period work?

All Chowmain drivers are free to use for 90 days. When the trial expires the driver will cease to function until you purchase a licence and apply it to the project.

What benefits does Chowmain Project Agent provide?

Chowmain Project Agent provides a number of benefits for projects

- Required for activation of driver licences. Enables the linking of Control4 Projects to Chowmain Project Codes.
- Required for Auto Updates of Chowmain Licenced drivers
- Provides local access to all Diagnostics for all known licenced Chowmain drivers on Control4 system in 1-click
- Bulk Enable and Disable of Automatic Updates of drivers
- Display local licencing information for all known driver
- Update All Drivers in 1 click to latest versions available for that driver

Where do I buy a Licence from?

- Chowmain Control4 Drivers are only available to Control4 installers. Installers can sign up to a Chowmain account using: <https://chowmain.software/signup>. If you are a home owner you should contact your automation installer for support, purchase and installation of drivers
- This driver is developed by Chowmainsoft and can be purchased from the [Chowmain Software Website](#).
- All licences are site licences. This means the one licence can be used to unlock as many instances of the same driver in the same project.

Can I upgrade old versions of drivers from other marketplaces to Chowmain?

- This process is mostly automated.
 1. Install Chowmain Project Agent, and assign a Project Agent as required
 2. Ensure all drivers are up to date, and replace obsolete drivers with updated builds.
 3. Wait 10 mins.

Developer Information



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Information stated in this document is current as of January 2026 and may change. For latest information please visit <https://www.chowmainsoft.com>

Support

Ticket / Live Chat Support

We provide ticket based support and live chat support for those who can't contact us via phone. Click the button below to visit our online helpdesk.

Support Centre	Hours of Operation	URL
Australia / New Zealand / United Kingdom	Monday - Friday - See website for hours of operation	https://chowmain.software/for-integrators/ technical-support

Phone Support

Region	Hours of Operation	Phone Number
Australia	Monday - Friday - See website for hours of operation	[+61 3 9028 6999](tel:+61 3 9028 6999)
United Kingdom	Monday - Friday - See website for hours of operation	[+44 29 2000 5551](tel:+44 29 2000 5551)
United States	Monday - Friday - See website for hours of operation	[+1 206 944 5444](tel:+1 206 944 5444)

Driver Documentation

All of our drivers come with detailed instructions on how to install and configure the driver for use in different projects. Please refer to the documentation included with the driver you downloaded, or [contact us](#) if you are unable to locate the documentation for your driver.

Change log

Version 20261005 - 05-OCT-2026

- Major Performance Improvements when processing connections (All)
- Fix issue with buffer that may cause inbound commands to be missed when dodgy data is received (All)

Version 20260803 - 03-AUG-2026

- Update Licencing (All)
- Add support for Custom Headers in HTTP Custom Commands (Generic TCP Command)

Version 20260625 - 25-JUN-2026

- Reduce Memory usage by up to 1MB (All)
- Rewrite Inbound Web Server to conform to RFC better and force connection offline correctly after command received. Some devices may work better (Generic TCP Command)

Version 20260507 - 06-MAY-2026

- Add support for Custom Headers in Commands in Generic TCP Command HTTP Get/Post (Generic TCP Command)
- Improve Feedback for HTTP Get/Post Requests (Generic TCP Command)
- Improve Licencing and Troubleshooting (All)
- Allow for TCP connection to be disconnected immediately after sending command (Generic TCP Command)

Version 20250807 - 07-AUG-2025

- Add support for More request types: DELETE,HEAD,PATCH (Web To Variables)
- Better Defend against potential issues / preventative fixes (All)
- Add Support for Custom HTTP Requests (Generic TCP Command)

Version 20250408 - 08-APR-2025

- Add Metrics for Decoding speed via property (Web To Variables)
- Add 2 different JSON Decoders. Native / Fast and Compatible (Web To Variables)
- Resolve issue with recursive parsing in some circumstances (Web To Variables)

Version 20250314 - 14-MAR-2025

- Add Support for PARAM{} to allow URL's, header keys, header values and header body to be dynamic based on variables. Format is the same as Generic TCP (Web To Variables)

- Improve Licencing
- Parse Response headers into Variables too (Web To Variables)

Version 20250212 - 12-FEB-2025

- Add Support for Put Requests (Web To Variable)
- Switch older unsupported Control4 system (OS2.X) to use new URL API
- Enable support for Disabling SSL validation

Version 20250204 - 04-FEB-2025

MAJOR New Release. Introducing our Web To Variable driver. This new driver allows you to poll a web address with JSON data and convert the data to Control4 Variables which can be used for a variety of different uses. This new driver lets you interface with a wide variety of new services which offer JSON data as the output.

- [Performance] Remove Remainder of old Licencing (All)
- [New Driver] New Web To Variable Driver (Web To Variable)
- Other Misc updates (All)

Version 20240912 - 12-SEP-2024

- Improve Licencing

Version 20240806 - 06-AUG-2024

- Support for Chowmain Licencing
- Improved Troubleshooting
- Performance Improvements

Version 20221006 - 10-OCT-2022

- Upgrade to new Diagnostics system with Submit Diagnostics, and automatic troubleshooting

Version 20210119 - 19-JAN-2021

- Updated to new Driver Central licensing

Version 20200922 – 22-SEP-2020

- Added 1 second delay after driver receives data before disconnecting..

Version 20200714 – 14-JUL-2020

- Added support for HEX based TCP and UDP commands (can be in the format of "00 11 22" or "0x00 0x11 0x22" or "001122")
- Added inbound HTTP GET control.
- Fixed issue where driver didn't disconnect TCP connection once it sent the command.

Version 20170710 – 10-JUL-2017

- Migrated to driverCentral.

Version 20170322 - 22-MAR-2017

- Fixed issue with licencing

Version 20150818 - 18-AUG-2015

- Implemented Dealer Demo Licensing

Version 20150507 - 07-MAY-2015

- Fix for < & > symbols being sent to the driver by Control4 as \< and \>

Version 20150407 - 07-APR-2015

- Resolved issue where logs on 2.6 systems would fill out controller storage causing system stability issues. This only effects systems where people have set the debug logs to 'print and log' or 'log' and have forgotten about it over longer periods of time.

Version 20150319 - 19-MAR-2015

- Resolved issues where Control4 would send a & when programmer inputs &. Truncated the amp; portion

Version 20141230 - 30-DEC-2014

- Added support for parameters (via PARAM{deviceid,varid}) for HTTP post and get

Version 20141230 - 30-DEC-2014

- Fix for & symbols being sent to the driver by Control4 as \&
- Added Debug output for HTTP post and get

Version 20141217 - 17-DEC-2014

- Migrated to Control4 HTTP functions as no longer supporting older OS ## Versions.

- Now supporting HTTPS
- Implemented UDP commands

Version 20141118 - 18-NOV-2014

- Converted from C4I to C4Z filetype

Version 20140331- 31-MAR-2014

- Added HTTP Post and Wake On Lan commands

Version 20140328- 28-MAR-2014

- Added Variable Insertion Code

Version 20140324 - 24-MAR-2014

- Initial Version Released