



## **Bond Home Driver**

### Installation and Usage Guide

**Revision:** 1.0  
**Date:** Thursday, August 15, 2019  
**Authors:** Alan Chow

## Contents

Overview .....	3
Driver Features.....	3
Disclaimer.....	3
Driver Compatibility.....	4
Hardware Installation .....	4
Driver Installation.....	4
Adding the driver to your project .....	5
Licencing.....	8
Summary .....	8
STEP 1 - Creating your project on driverCentral .....	8
STEP 2 –Purchase driver licence .....	10
STEP 3 – Install and activate the driverCentral cloud driver.....	11
STEP 4 – Install Chowmain driver.....	12

## Overview

The Bond Bridge allows integration of RF and IR based devices like fans, fireplaces and shades to be controlled by your smart device. Integration of fans and fireplaces are easy. Just download their app, connect the bridge to your wifi, learn a code and the app will download the rest of the codes from their online database. If it is not found you have the option of defining your controls and learning the RF or IR codes yourself. Repeat if you have several devices you want to add to your bridge.

Chowmain's Bond Home driver for Control4 will work the Bond Bridge and also the 'Smart by Bond' compatible devices

## Driver Features

- Automatic discovery of Bond Bridge based on unit serial number
- Self healing - if IP address changes the driver will automatically rediscover the unit.
- Auto detection of available of fans on the bridge
- Auto detection of available of fan lights on the bridge
- Auto detection of available of fireplaces on the bridge
- Auto detection of available of blinds on the bridge
- Fan Control
  - Multispeed control
- Light Control
  - On/Off
- Fireplace Control
  - On/Off
  - Fan Speed
  - Flame Level
  - Flame Up
  - Flame Down
- Blind Control
  - Up
  - Down
  - Stop
- Last state feedback for each device

## Disclaimer

This driver is designed to be used with the Bond Home. Chowmain Ltd is not responsible if Bond Home is not compatible with the RF/IR controlled product installed. It is your responsibility to ensure that the Bond Home is installed and is working correctly prior to setup of the Chowmain driver.

## Driver Compatibility

This driver is compatible with the Bond Bridge product and also any 'Smart by Bond' compatible product.

## Hardware Installation

Prior to installing the driver please make sure you follow the Bond Home installation guide and have the hardware installed, joined upto the wifi network and that the Bond Bridge is setup and tested for the fans and fireplaces using the Bond app.

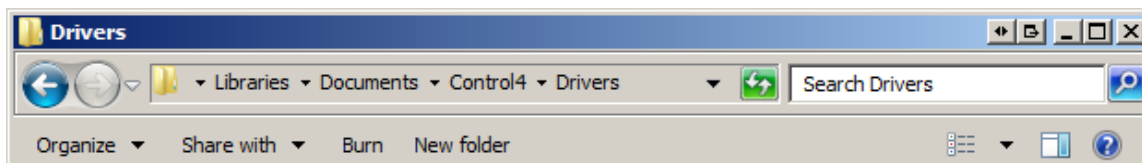
For any hardware installation technical support please contact Bond Home support.

## 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.

## Adding the 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. **Reboot your Bond device.** Bond devices provide an access token within the first 10 minutes of boot which is required for communications.
2. Launch the Composer Pro application and connect to your project
3. In the '**System Design**' page select the '**Search**' tab on the right hand side.
4. Type in '**bond**' in the search bar and press Enter on the keyboard

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

Category:
 

-- All Categories --

Type:
 

-- All Types --

Manufacturer:
 

-- All Manufacturers --

Control Method: 

All Methods

 Sort: 

Relevance

<b>BOND (Bridge Driver)</b> BOND	<b>Local</b>
<b>BOND (Blind Driver)</b> Chowmain	<b>Local</b>
<b>BOND (Light Driver)</b> Chowmain	<b>Local</b>
<b>BOND (Fireplace Driver)</b> Chowmain	<b>Local</b>
<b>BOND (Fan Driver)</b> BOND	<b>Local</b>

5. Double click on the '**Bond (Bridge Driver)**' driver to add it to your project
6. Highlight the '**Bond (Bridge Driver)**' driver on the left hand side.

7. If you have multiple Bond devices enter in the Bond ID (this is the serial number on the device which starts with two letters and ends with 5 numbers)
8. Set Auto Discovery to On

<b>BOND ID</b>	BD20627
<b>Auto Discovery</b>	On





9. The driver will now discover the Bond device on the network.

If successful the Token property will have stars in it and the Firmware Version and number of devices fields will have populated.

Note if you add devices later you can perform device discovery using the '**Auto Setup**' action.

<b>Token</b>	*****
<b>Firmware Version</b>	v2.7.13
<b>Number Of Fans Found</b>	1
<b>Number Of Lights Found</b>	1
<b>Number Of Fireplaces Found</b>	3
<b>Number Of Blinds Found</b>	1

10. Add in a BOND (Fan Driver), BOND (Light Driver), BOND (Fireplace Driver) and BOND (Blind Driver) for each number of devices listed.
11. Click on the Connections tab.
12. Highlight the BOND (Bridge Driver)
13. Bind each fan, light, fireplace and blind to the respective drivers.

Name	Type	Connection	Input/Output	Connected To
<b>Control Outputs</b>				
 alan's fan	Control	BOND_FAN	Output	
 alan's fan	Control	BOND_LIGHT	Output	
 Alan's Fireplace	Control	BOND_FIREPLACE	Output	
 Somfy Shades	Control	BOND_BLIND	Output	Somfy Shades->BOND

14. The drivers will automatically rename themselves. You can also disable this via each driver's properties.

15. If you have a fireplace you will need to manually show and hide the experience buttons based on the capabilities and rooms you want to show it in. You can see this via the driver's properties tab.

- a. If there are no fan speeds hide the Fireplace Fan Speed proxy
- b. If there are no flame levels hide the Fireplace Flame Level proxy
- c. If Flame Up Available is False then hide the Fireplace Flame Up proxy
- d. If Flame Down Available is False then hide the Fireplace Flame Down proxy

16. Refresh Navigator

17. Congratulations you have successfully setup the Bond Home driver.

## Licencing

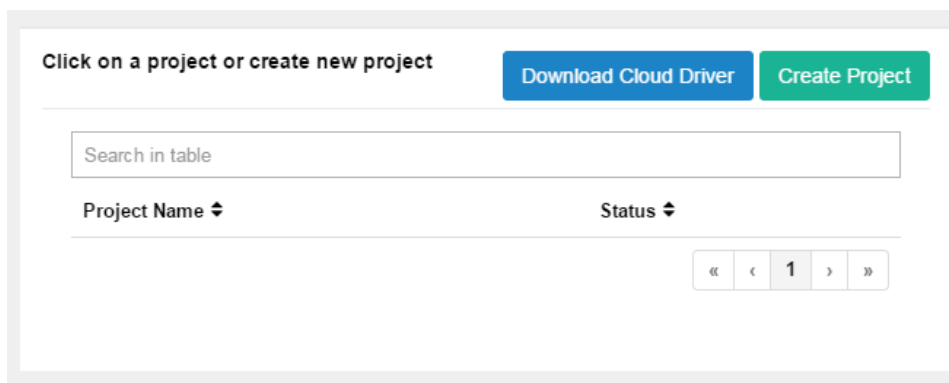
Chowmain drivers require a valid licence to use the driver. Drivers can be purchased from our distributor [driverCentral](#) however all Chowmain drivers come with a 7 day trial. We recommend that prior to purchasing a driver that you test the driver out to ensure that it will work with your hardware 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

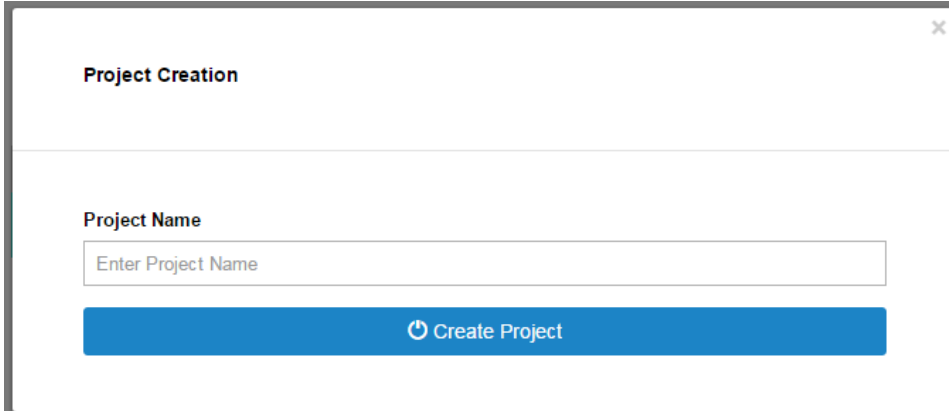
1. Visit <http://www.drivercentral.io>
2. Log into your driver Central dealer account.
3. Visit the Project Portal
4. Click on Create Project



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 labeled 'Search in table'. Underneath 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', '>', and '»', indicating the first page of results.



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



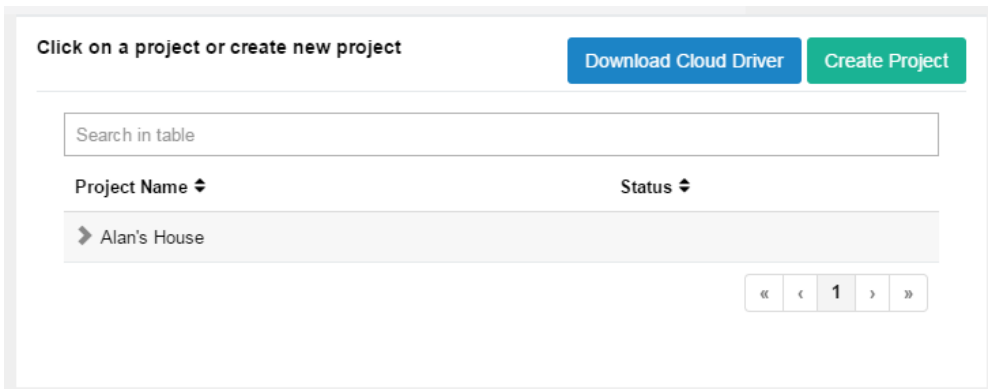
**Project Creation**

**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

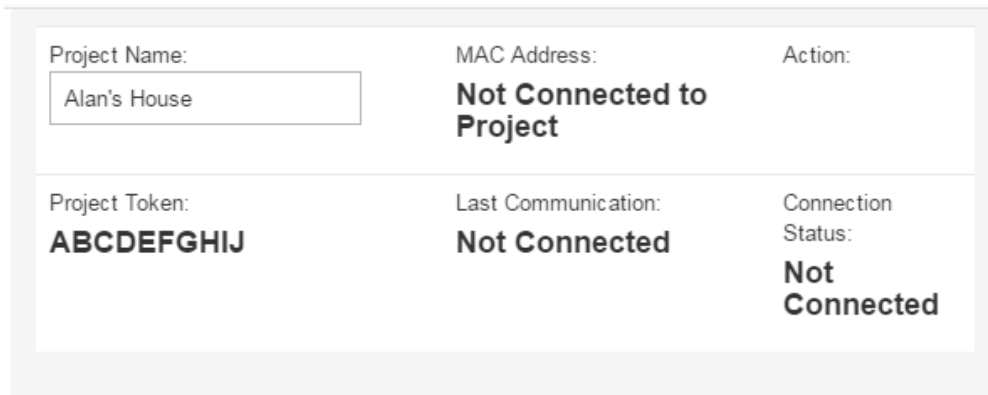
Search in table

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.



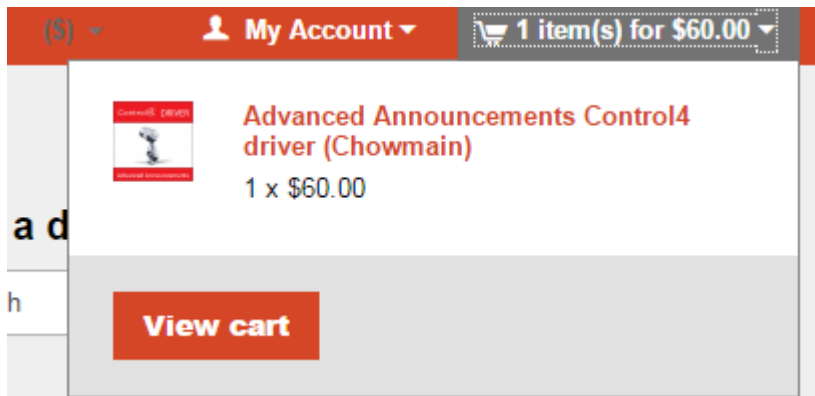
Project Name: Alan's House	MAC Address: <b>Not Connected to Project</b>	Action:
Project Token: <b>ABCDEFGHIJ</b>	Last Communication: <b>Not Connected</b>	Connection Status: <b>Not Connected</b>

## 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



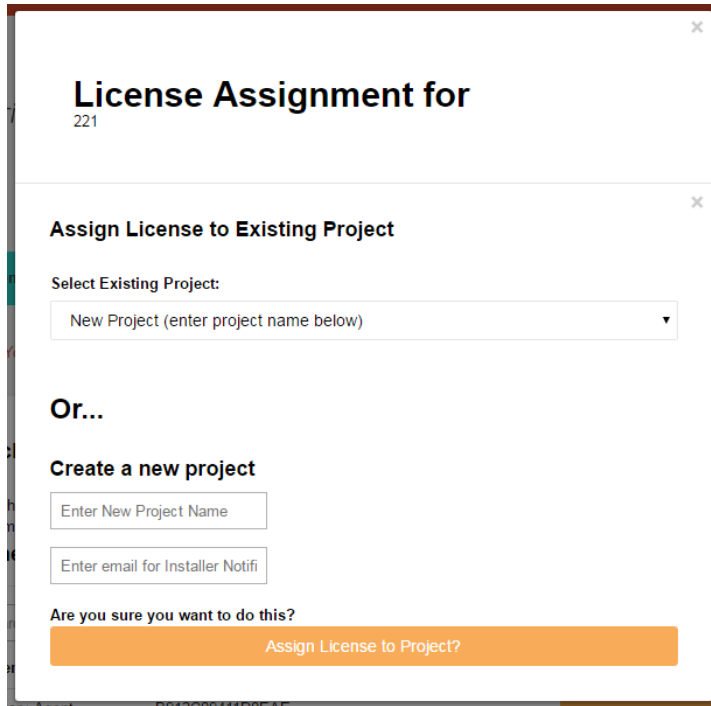
5. Follow the prompts and click on Submit my order



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 ↕
			<a href="#">Assign to Project</a>

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



**License Assignment for**  
221

**Assign License to Existing Project**

Select Existing Project:  
New Project (enter project name below) ▼

**Or...**

**Create a new project**

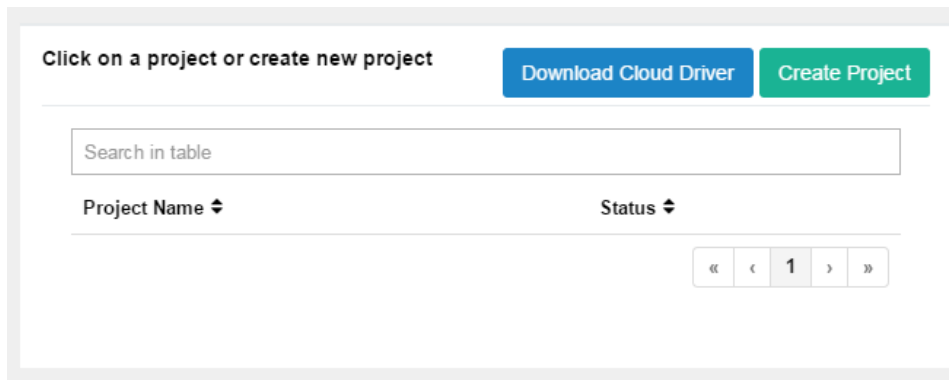
Enter New Project Name  
Enter email for Installer Notifi

Are you sure you want to do this?  
Assign License to 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



Click on a project or create new project

Download Cloud Driver Create Project

Search in table

Project Name ⬆ Status ⬆

« < 1 > »

- 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"/>