# Orvibo WiWo S20 Driver

# Installation and Usage Guide

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## Contents

## Overview

Control4 supplies the wireless outlet switch that makes any household plug-in device, like lamps, appliances and electronics part of the Control4 system by turning a standard outlet into a smart outlet.

Unfortunately this device is not available to the majority of the world as it only supports 120VAC voltage for US plug type devices.

Introducing the Orvibo WiWo S20 Smart Outlet.  There are different SKU's with US/EU/UK/AU-NZ plug types and is easily the most affordable outlet integratable into Control4 (you can buy several of them for the same price as one of the competing products).  This WiFi based power outlet supports upto 10amps and can be easily integrated into the Control4 home automation system using the Chowmain Orvibo S20 driver.  Several manufacturers also rebadged the product for their local market so should be able to source it locally.



## Features

- Auto discovery of IP address and port by entering in the MAC Address of the S20
- Auto update of IP address and port upon change
- Abilty to connect driver to outlet light or relay (motorised) device drivers which in turn allows you to view the correct icon on navigator interface or even eliminate standby power on AV based devices.
- Ability to connect driver to keypad buttons (with LED feedback) to allow for quick on/off/toggle programming
- On/Off feedback from the device.

## FAQ

**Why should i use this product over the other outlets on the market?**

This product is extremely affordable. You could buy 3 to 5 of these of these for the price of one of the competing products (including the cost of the driver).

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

- In Australia we do not have access to the Control4 outlet switch. As such we cannot easily integrate floor lamps, bedside table lights, fans, electric heaters, towel rails, etc easily. This driver fills in the gap to integrate these devices into the Control4 system.

- This driver allows connection to the Control4 outlet light driver and any relay based binding. As such you can get the correct icon on your navigator and also bind it to your AV device to minimise standby power.

- This driver allows connection to any Control4 keypad for ease of use programming.

**What hardware will this work on?**

This driver will work with the S20 AU/EU/UK/US smart sockets made by Orvibo. The S20 will also work with the following products as it is rebadged. There may be other rebadged S20's out there that we do not know of. Please utilise the built in 48 hour trial first to test prior to purchasing a licence.

- Australia  - Arlec PC180 (sold at Bunnings), Bauhn W2 (sold at Aldi), Orvibo (sold on Aliexpress, Banggood & other online retailers)

- USA - Bayit Home Automation BH1810 (sold at Home Depot & WalMart), ON THE WAY (sold at Amazon.com), Orvibo (sold on Aliexpress, Banggood & other online retailers)

- UK  - WiSPP, Time2, Orvibo (sold on Aliexpress, Banggood & other online retailers)

- EU - Orvibo (sold on Aliexpress, Banggood & other online retailers)

**Why do you only support OS 2.6 and above?**

OS 2.6 offers a superior security encryption algorithm and a new and improved driver format. We have decided to only utilise this new format to ensure that the integrity of this driver is not compremised and that we can provide the best dealer/user experience available.

**Do you offer showroom discounts?**

In the past dealers received a 10% discount for their showrooms. As of August 31 2015 dealers now get a FREE licence for their showroom. We will provide you with a universal Chowmain driver licence which will work across all of our drivers. This licence is tied into your dealer Showroom system so please be careful when assigning the licence (don't accidentally assign it to a test bench system or a customers home).

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

All Chowmain drivers for Control4 come with a 48 hour trial. This is activated once you add the driver to the project. No additional steps are necessary.

# Change Log

**Version #20160805** - 05-AUG-2016
- Initial Release

# Important Notice

This driver has been developed for Control4 OS version 2.6.0. It may work for older versions of OS but it is recommended that you test the driver out first using the inbuilt trial licencing before purchasing a licence.

Tthis guide assumes that that you have a working Orvibo WiWo S20 on your wifi network that can be controlled with the official Android or iOS application. Please ensure that this is setup prior to installing and setting up the driver.
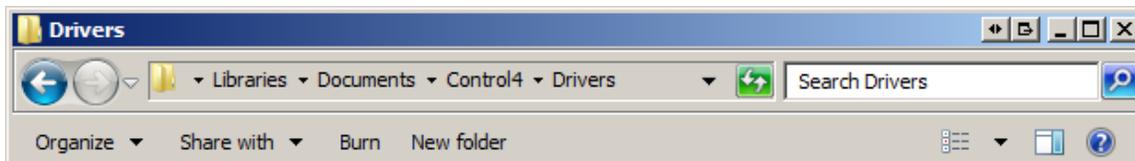
Feedback is instantaneous if controlled via Control4. Feedback will take upto 1 minute if controlled via the official application or via the button on the actual hardware. This is because the driver needs to poll for the current status of the unit.

# 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 c4z 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.  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 '**Orvibo**' in the search field and press enter.



4.  Double click on the '**S20 Smart Socket**' driver to add it to your project

5.  Highlight the '**S20 Smart Socket'** driver on the left hand side.

6. Enter in the S20 MAC Address. This is the first 12 characters of the UID (can be found using the official WiWo application for IOS or android.





7. Once the driver finds the S20 it will populate the other fields and rename the driver to the name found.

# Binding the driver to a motorized device

1. Launch the Composer Pro application and connect to your project

2. Click on My Drivers on the right hand side.

3. Under Motorisation double click on the device type you want to use (note this will be the icon for your device).
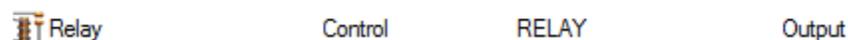
4. In the motorised device properties make sure that it is set to hold type and not pulse type.

5. Click on the Connections tab.

6. Highlight S20 Smart Socket on the left hand side.

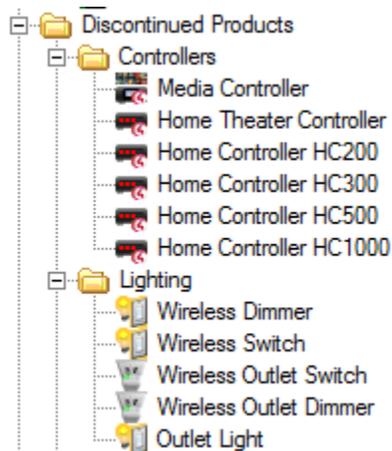7. Bind the Relay to the device you want control over.

**Control Outputs**

| | | | |
|---|---|---|---|
| Relay | Control | RELAY | Output |

8. Click on the File and Refresh Navigators.  Congratulations you have set up S20 Smart Socket Driver.

## Binding the driver to a light

1. Launch the Composer Pro application and connect to your project

2. Click on My Drivers on the right hand side.

3. Under Discontinued Products double click on the Outlet Light driver to add it to your project.



4. Rename the light to something meaningful.

5. Click on the Connections tab.



6. Highlight S20 Smart Socket on the left hand side.

7. Bind the Light proxy to the outlet light you added in.



8. Click on the File and Refresh Navigators. Congratulations you have set up S20 Smart Socket Driver.

# Binding the driver to a keypad

This section assumes you have already added and have a working S20 Smart Socket driver and Control4 keypad

1. Launch the Composer Pro application and connect to your project

2. Click on the Connections tab.



3. Highlight S20 Smart Socket on the left hand side.

4. Bind the Top Button, Bottom Button and/or Toggle button to the your keypad.

   **Top Button:** Turns on your WeMo
   **Bottom Button:** Turns off your WeMo
   **Toggle Button:** Toggles your WeMo from On to Off



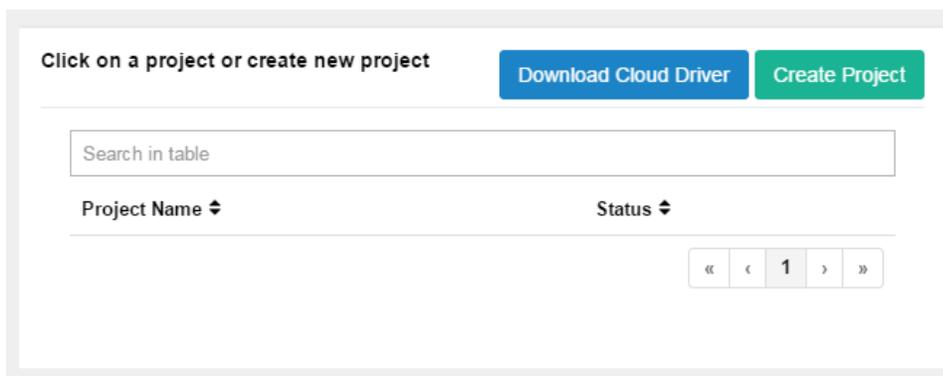5. Congratulations you have set up your keypad to control your S20 Smart Socket.

## 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.
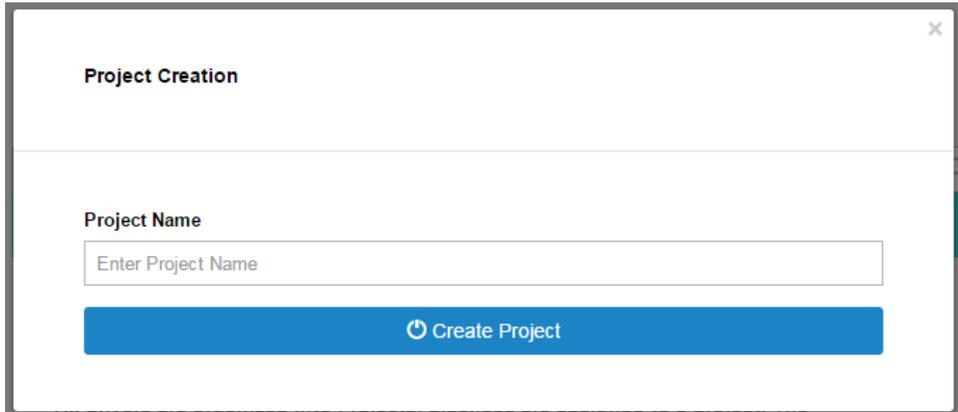
## Summary

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.

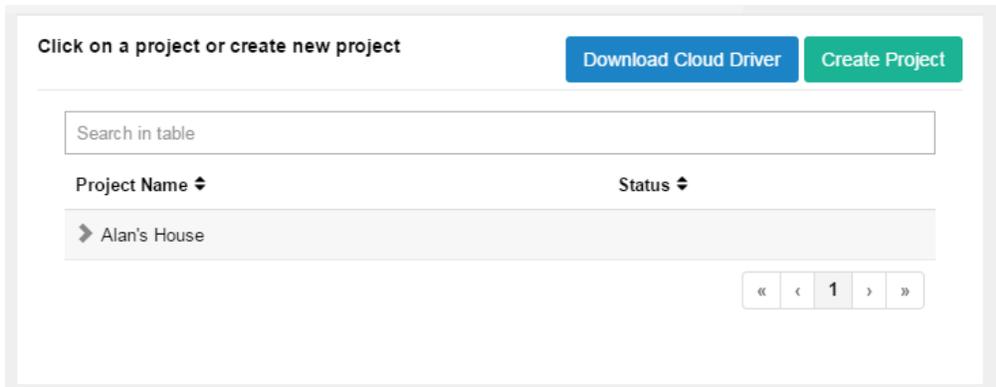## STEP 1 - Creating your project on driverCentral

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account.

3. Visit the Project Portal

4. Click on Create Project

Click on a project or create new project      Download Cloud Driver    Create Project

Search in table

Project Name ⬍                                    Status ⬍

«  ‹  1  ›  »

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



6. Click on Create Project

7. Click on the project we just created to expand the project



8. Take note of the Project Token as this will be used in STEP 3 when we install the driverCentral cloud driver.
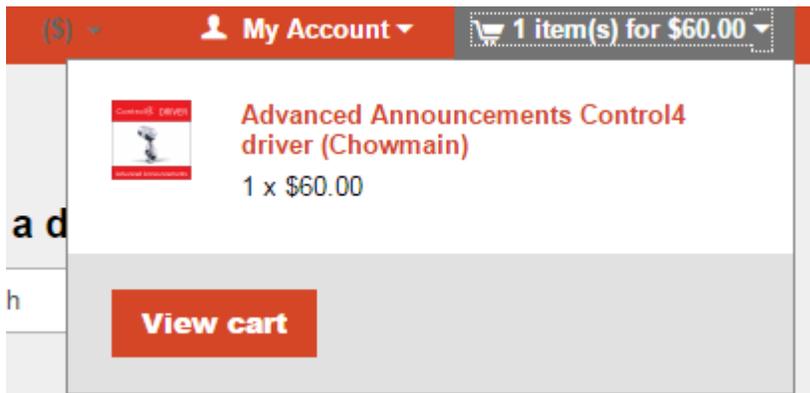
## STEP 2 –Purchase driver licence

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



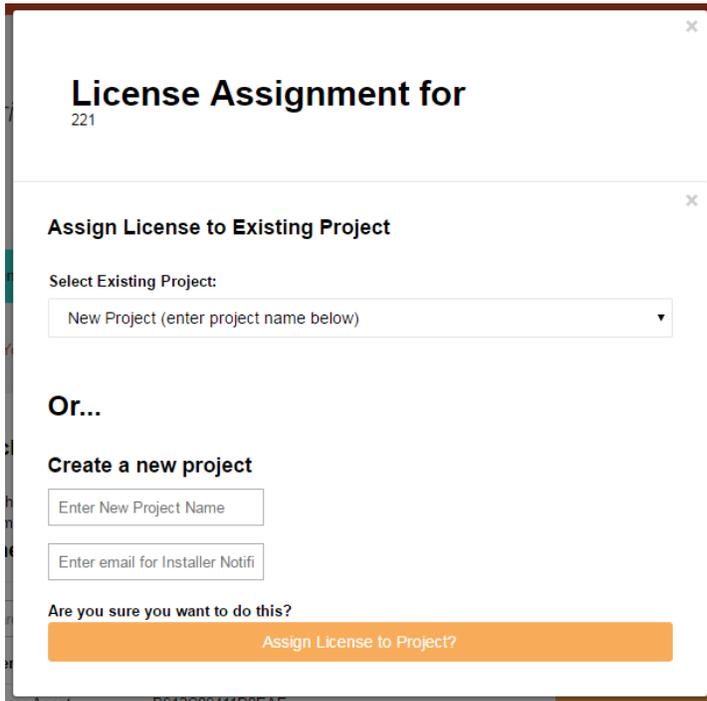4. Confirm that your order is correct and click on Proceed to checkout



5. Follow the prompts and click on Sib,ot ,u Prder



6. This will take you to PayPal for payment.

7. Pay via PayPal.  It will automatically return to the marketplace when confirmed.

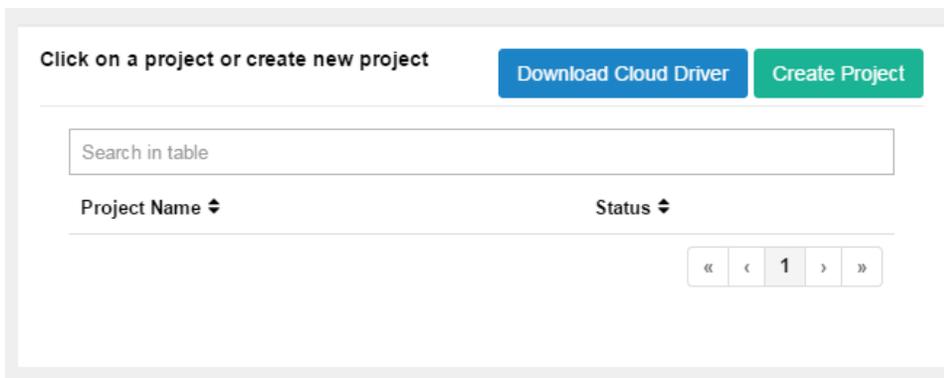8. You will now be at a page where you can see your purchased licence.

9. 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.

1. Visit http://www.drivercentral.io

2. Log into your driver Central dealer account.

3. Visit the Project Portal

4. Click on Download Cloud Driver



5. Copy the C4Z driver to My Documents\Control4\Drivers directory.

6. Add the driver to your project.

7. 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 | |
| | Project token from driverCentral.io project portal |
| Driver Actions | ⌄ |
| Debug Mode | Off ⌄ |

8. Type in the project token we took note of in STEP 1.

9. Click on the Actions tab

10. Click on Check Drivers

## STEP 4 – Install Chowmain driver

1. Install the Chowmain driver

2. You will notice that the Activation Status reflects a Licence Activated state.

3. 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.

4. 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 ⌄ |