

RYSE SmartShades Installation and Usage Guide



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chowmainsoft

Contents

Features.....	5
Setup.....	6
SmartBridge.....	6
Actions.....	6
Commands.....	6
Properties.....	6
SmartShade.....	7
Actions.....	7
Commands.....	7
Properties.....	7
Frequently Asked Questions.....	8
What cool things can I do with this driver?.....	8
Is Internet Required to use this driver?.....	8
What Hardware is Required?.....	8
Auto-Setup is not operating correctly.....	8
Where can i find out more about RYSE?.....	8
How do we know when the battery level is low?.....	8
I want to try this driver out before buying it?.....	8
Licensing.....	9
Creating a Project on Driver Central.....	9
Purchasing a Driver Licence.....	10
Install the driverCentral cloud driver.....	11
Install Chowmain driver.....	12
Developer Information.....	13
Support.....	14
Ticket / Live Chat Support.....	14
Phone Support.....	14
Driver Documentation.....	14
Change Log.....	15
Version 20240312.....	15
Version 20230417.....	15

RYSE develops innovative window covering solutions that blend intelligence with simplicity. RYSE SmartShade is an affordable and easy way to motorize your window shades. Using beautiful design and innovative software, SmartShades is a smart device that lets you easily control and schedule when your shades open and close, making your home more comfortable and secure. You'll never have to touch your window shades again.

Are you looking to get motorized blinds but don't want to pay the high price tag or deal with the complex installation and having to replace the perfect window shades you already own?

RYSE SmartShades is an upgrade for the blinds and shades you already own and love. Simply attach it to your blind's chain or cord loop to transform them into smart blinds. Installation couldn't be simpler and it only takes a few minutes.

RYSE SmartShades works with any window covering that uses a looped beaded chain or continuous cord loop. From roller shades to vertical blinds, regardless of brand or size.

Features

- Up / Down / position control of blinds
- One-Click AutoSetup of blinds
- Easily display Gateway information including:
 - Firmware
 - Hardware Revision
- Easily Display and Variables for each Blind including:
 - Hardware Revision
 - Firmware
 - Battery Level
 - Serial
 - Position
 - Power Type
 - Blind Position
- Easily Notify of Low battery level of blinds.

Setup

1. Setup Blinds and SmartBridge using the RYSE Mobile App
2. Add RYSE SmartBridge Driver to Control4 Project
3. Set IP Address of SmartBridge, Get Latest Devices, and run Auto-Setup

An active 4Sight Subscription is required for Low Battery notifications

SmartBridge

Actions

- Auto Setup Drivers: Automatically Setup Blinds in Control4 Project
- Display Diagnostics: Use to run basic troubleshooting. Diagnostics assistance will be provided in the LUA Output window
- Display Known Devices: Displays a list of known blinds and gateways
- Get Latest Devices: Get the latest devices from the SmartBridge. This is normally not required
- Purge Known Devices: Delete and unbind all known devices
- Submit Diagnostics: Use to send diagnostic information to Chowmain. A reference number will be provided in the LUA Output window

Commands

- N/A

Properties

- Cloud Status: Licencing Status of the Driver
- Driver Version: Version of the Driver
- Automatic Updates: Whether or not the driver will automatically update the driver
- Control4 MAC Address: MAC Address of the C4 Controller
- Debug Mode: Enable different types of debugging modes for driver.
- Debug Level: Verbosity of debugging. ERROR is the least verbose
- Error Reporting: Enables Automatic fault reports to Chowmain

Driver Information

- Bridge Poll Rate (ms): Rate to poll the SmartBridge for blind availability
- Blind Poll Rate (ms): Rate to poll the SmartBridge for blind status
- IP Address: IP Address of the SmartBridge being connected to. Required for operation
- Automatic Notifications (4Sight Required): Enables automatic Email or Push notifications for different events
 - Email Address: Target Email Address for events (if email is enabled)
 - Notify On Low Battery: Enables notifications for low battery events

States

- Status: Communication and driver status
- Gateways Detected: Total number of SmartBridge Units detected
- Blinds Detected: Total number of blinds detected

SmartShade

Actions

- Display Diagnostics: Use to run basic troubleshooting. Diagnostics assistance will be provided in the LUA Output window
- Submit Diagnostics: Use to send diagnostic information to Chowmain. A reference number will be provided in the LUA Output window

Commands

- All Commands are native Control4 Commands

Properties

- Cloud Status: Licencing Status of the Driver
- Driver Version: Version of the Driver
- Automatic Updates: Whether or not the driver will automatically update the driver
- Control4 MAC Address: MAC Address of the C4 Controller
- Debug Mode: Enable different types of debugging modes for driver.
- Debug Level: Verbosity of debugging. ERROR is the least verbose
- Error Reporting: Enables Automatic fault reports to Chowmain

Driver Information

- Auto-Rename: Auto-Rename the driver using information set on the RYSE App

Status

- Device ID: Device ID to Control
- Device Name: Device Name to Control
- Connection Status: Connection Status of the Blind
- Hardware Version: Hardware Version of the Blind
- Firmware Version: Firmware Version of the Blind
- Serial Number: Serial Number of the blind. This may not be available on all blinds
- Power Level: Battery Power Level
- Power Type: Type of Power being used to Power the blind

Frequently Asked Questions

What cool things can I do with this driver?

- Open, Close and Set Position of Blinds using Control4
- Schedule blinds to open and close automatically using programming
- Get notifications via 4Sight when battery is low

Is Internet Required to use this driver?

- This driver uses local LAN for control. Internet is not required.

What Hardware is Required?

- You must have a RYSE SmartBridge to use this driver and stable LAN connection.

Auto-Setup is not operating correctly

- Ensure you are running OS 3.3.2 or later.

Where can i find out more about RYSE?

You can find out more about RYSE products via the RYSE website: <https://www.helloryse.com>

How do we know when the battery level is low?

The driver pulls in the battery level information as a variable. For simple programming and display we recommend utilising the Chowmain Battery Indicator driver.

I want to try this driver out before buying it?

- All Chowmain drivers for Control4 come with a 90 day trial.

Licensing

- How does the trial period work?

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

- Where do I buy a Licence from?

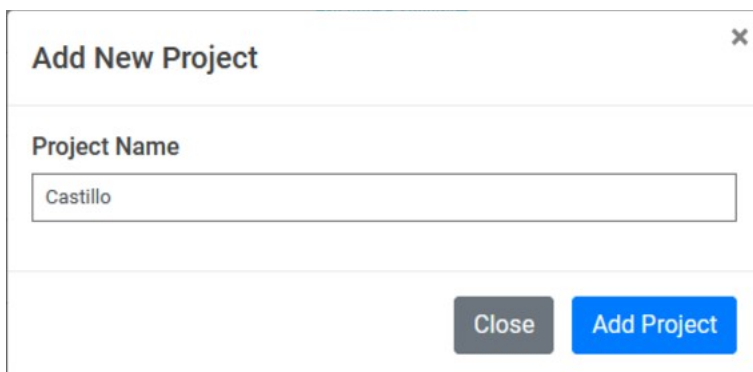
This driver is developed by Chowmain software & Apps and is distributed by driverCentral, Inc
<https://www.drivercentral.io/chowmain-ltd>

To purchase a driver:

1. On driverCentral, purchase a license and register it to your project
2. If the driver is not already installed in your project, download it and install it
3. If necessary, use the cloud driver's Action: "Check Drivers" to force the licence to download into the project


Creating a Project on Driver Central

1. Visit <http://www.drivercentral.io>
2. Log into your driver Central dealer account
3. Click **Portal**
4. Click **New Project**
5. Enter the project name

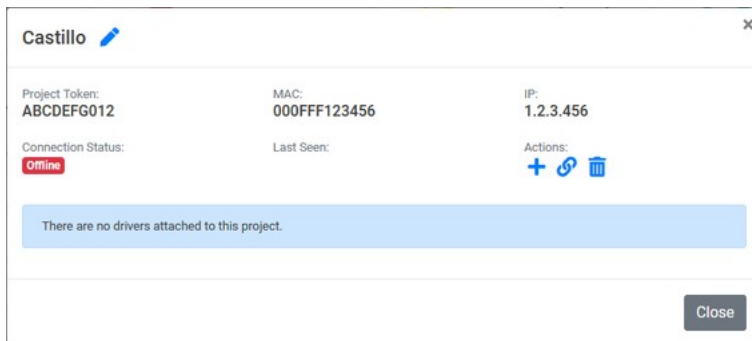


The screenshot shows a modal window titled "Add New Project" with a close button in the top right corner. Below the title, there is a label "Project Name" and a text input field containing the text "Castillo". At the bottom of the modal, there are two buttons: a grey "Close" button and a blue "Add Project" button.

6. Click **Add Project**
7. Click on the project we just created

Project	Status	Created
 Castillo	Unassigned Project	1999-12-31 23:59:56

- Take note of the **Project Token** as this will be used later when we install the Cloud Driver



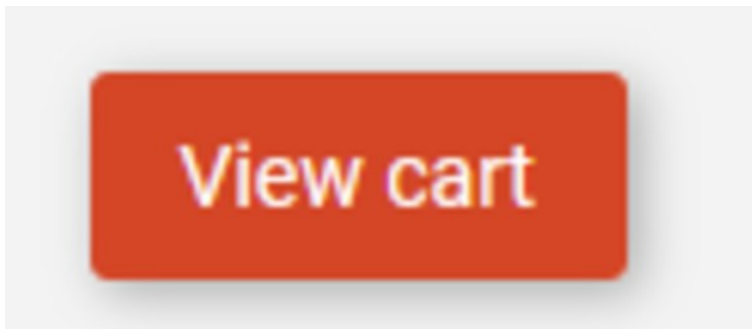
- Click **Close**

Purchasing a Driver Licence

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

ADD TO CART

- Now click the shopping cart icon (top right) and click **View cart**



- Confirm that your order is correct and click on **Proceed to checkout**

Proceed to checkout

- Choose your payment option, provide the relevant details and click **Place order**

Checkout

Paypal
Paypal, or Credit Card...

Credit Card
Visa, Mastercard, etc...

☐ Select this check box to accept the [Terms and Conditions](#)

☐ Subscribe to our newsletter

Place order (\$190.00)

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

License Name	License Key	Project Assigned	Action
[Redacted License Information]			Assign to Project

7. 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

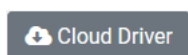
Enter email for Installer Notifi

Are you sure you want to do this?

Assign License to Project?

Install the driverCentral cloud driver

1. Visit <http://www.drivercentral.io>
2. Log into your driver Central dealer account
3. Click **Portal**
4. Click **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	<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"/>

8. Type in the project token we took note of earlier
9. Click **Actions** tab
10. Click **Check Drivers**

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 <input type="button" value="v"/>

Developer Information



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Information stated in this document is current as of July 2020 and may change. For latest information please visit <http://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
American Support Desk	8:30AM – 4:30PM Mountain Time	https://help.drivercentral.io/

Phone Support

Support Center	Hours of Operation	Phone Number
Australian Support Desk	6:30AM – 5:30PM Australian Eastern Time	+61 3 9028 6999

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 20240312

- [Performance] Huge Cumulative Performance Fixes (All)
 - Major Logging Improvements in all cases. In one scenario, performance improved from 6.6s to 0.063 seconds. Speed improves more than 110x in some cases
 - Major Backend improvements where some operations improved from 22ms to less than 1ms
 - Major Memory Usage Improvements (All)
 - Turn off Print Debugging automatically after 24 hours (all)
 - Improve Loading Times
- [Performance] Major Memory Usage Improvements (All)
- [Bug] Preventative Bug Fixes (All)
- [Troubleshooting] Extended Tests Action is now available. This runs advanced controller tests to help identify if controller is potentially performing incorrectly (all)
- [Troubleshooting] Display Related Tests Action is now available. Shows Diagnostics from all RYSE drivers simultaneously
- [Misc] Huge other Backend improvements. Too many to mention
- [Bug] Reduce Memory Usage of MDNS Ptr Records which occurs on some networks (Gateway)

Version 20230417

Initial release