

KMtronic Installation and Usage Guide



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Overview

KMtronic is a technology company that specializes in designing and manufacturing electronic devices and modules. Their product range includes various types of relay boards, temperature sensors, and other controllers that cater to automation, home automation, and industrial applications. These devices are commonly used to control and monitor electrical equipment remotely, making them useful for tasks such as home security, energy management, and process automation. KMtronic's solutions are known for their reliability and ease of integration, serving both hobbyists and professionals in creating efficient and versatile electronic systems.

The Chowmain KMtronic suite of drivers provides integration to KMtronics line of web relays, rs232 relays, rf433 relays and web temperature monitors all with the single licence.

Features

- Web Relay
 - Two-way control and feedback
 - Automatic detection of number of relays
 - Creation of relay bindings
 - On, Off, Toggle, Trigger commands
- RS232 Relay
 - Two-way control and feedback
 - On, Off, Toggle, Trigger commands
- RF433 Relay
 - Two-way control and feedback
 - On, Off, Toggle, Trigger commands
- Web Temperature Monitor
 - Automatic detection of number of temperature sensors
 - Detection of Sensor names
 - Output of temperature in Celcius
 - Bindings for temperature values (bind to Control4 room temperature driver and more)
 - Temperature variables for programming

Setup

Requirements

- Presetup KMtronics hardware beforehand.
- If it is an IP product please make sure it is set to a static IP address. Note that DHCP is not recommended even with a reserved IP.

Web Relay

IMPORTANT - Perform Licencing Steps as outlined first

1. Add relevant motorization devices and other relay devices to project
2. Click on Connections
3. Highlight KMTronics Web Relay Driver
4. Bind Relay Bindings
5. Click on the Properties tab
6. Highlight KMTronics Temperature Monitor Driver
7. Enter in the IP Address, Username and Password (username and password optional)
8. Refresh Navigator.

RS232 Relay

IMPORTANT - Perform Licencing Steps as outlined first

1. Add relevant motorization devices and other relay devices to project
2. Click on Connections
3. Highlight KMTronics RS232 Relay Driver
4. Bind RS232 port
5. Bind Relay Bindings0
6. Refresh Navigator.

RF433 Relay

IMPORTANT - Perform Licencing Steps as outlined first

NOTE - The RF433MHz Transmitter uses UDP to communicate across the network

1. Add relevant motorization devices and other relay devices to project
2. Click on Connections
3. Highlight **KMTronics RF433 Relay Driver**
4. Bind Relay Bindings
5. Click on System Design
6. Enter in the IP Address of the RF433MHz Transmitter

7. Refresh Navigator

Temperature Monitor

IMPORTANT - Perform Licencing Steps as outlined first

1. Add relevant devices for temperature output (eg Control4's Temperature Display Driver)
2. Click on Connections
3. Highlight KMTronics Temperature Monitor Driver
4. Bind Temperature Bindings
5. Click on the Properties Tab
6. Highlight KMTronics Temperature Monitor Driver
7. Enter in the IP Address, Username and Password (username and password optional)
8. Refresh Navigator.

FAQ

What hardware will this work on?

This web relay driver automatically scales to the number of relays supported. As such all web-relay models are supported including future models for bi-directional ip control and feedback.

The following models have been tested to work

Web Relay Controller

- [WEB LAN Two channels Relay Ethernet IP Controller - PCB](#)
- [WEB LAN Two channels Relay Ethernet IP Controller - BOX](#)
- [WEB LAN Four Channels Relay Ethernet IP Controller](#)
- [WEB LAN Four Channels Relay Ethernet IP Controller with Clips for DIN Mount Rail](#)
- [WEB LAN Ethernet IP Eight channels Relay Controller](#)
- [WEB LAN Ethernet IP Eight channels Relay Controller with Clips for DIN Mount Rail](#)

RS232 Relay Controller

- [RS232 Relay Controller - Eight Channel](#)
- [RS232 Relay Controller - Eight Channel with clips for DIN mount rail](#)

RF433 Relay Controller

- [LAN UDP to RF433MHz Wireless Transmitter Module](#) in conjunction with [RF433 Relay Controller - Eight Channel](#)

Web Temperature Monitor

- [LAN DS18B20 Web Temperature Monitor](#)
- [LAN DS18B20 WEB Temperature Monitor Full Complete 4 Sensors](#)
- [LAN DS18B20 WEB Temperature Monitor 1 meter Cable](#)
- [LAN DS18B20 WEB Temperature Monitor 4 Sensors Complete](#)

Why is this product so exciting?

KMtronic provides affordable IP/RS232 relay boards and IP temperature sensors to suit different sized installations. Integration provides bi-directional control and feedback over both relays and temperature modules.

How can i find out more about KMTronic?

You can find out more including where to buy from their [website](#)

Do you offer any other cool drivers?

Control4 is a major part of our business. We develop new drivers all the time. You can see all of our drivers on our website (<https://chowmain.software>). Sign up to our newsletter to get notified when new drivers are released.

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?

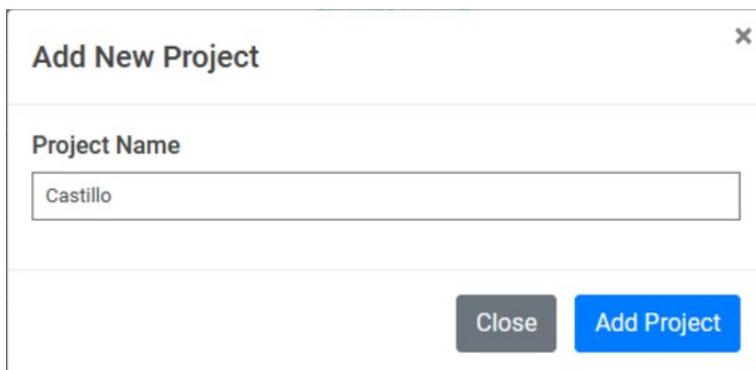
This driver is developed by Chowmain software & Apps and is distributed by driverCentral, Inc <https://www.drivercentral.io/chowmain-ltd>

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

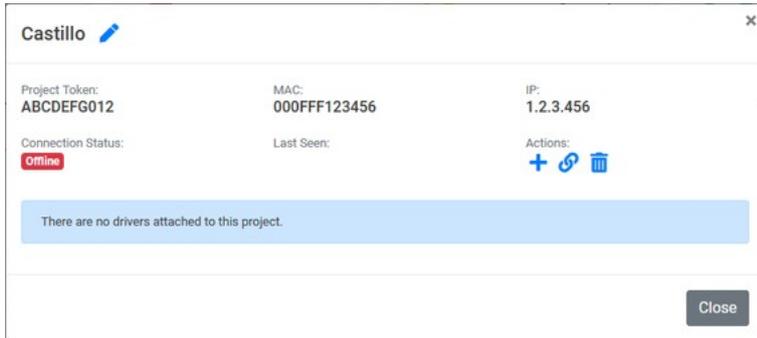


The screenshot shows a modal dialog box titled "Add New Project". It has a close button (X) in the top right corner. Below the title bar, there is a label "Project Name" and a text input field containing the word "Castillo". At the bottom right, there are two buttons: a grey "Close" button and a blue "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

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



9. Click **Close**

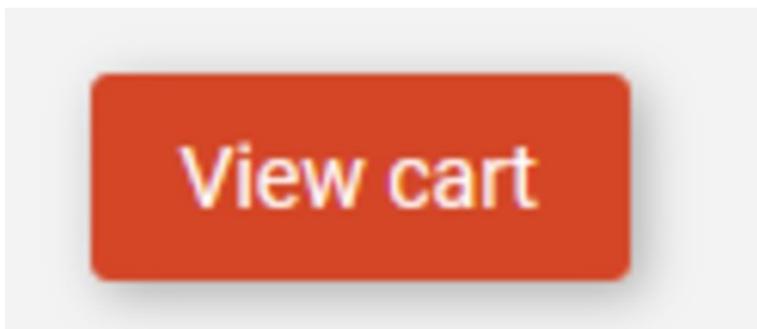
Purchasing a Driver Licence

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

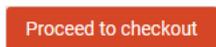
2. Click on **Add to Cart**



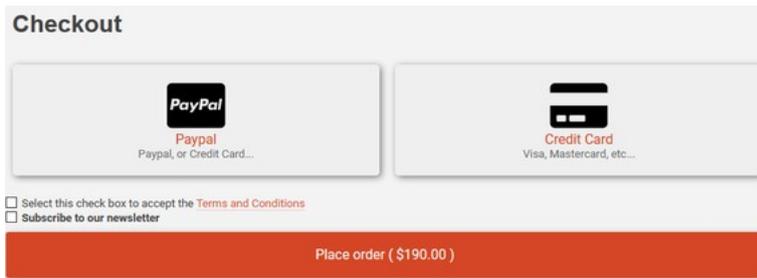
3. Now click the shopping cart icon (top right) and click **View cart**



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



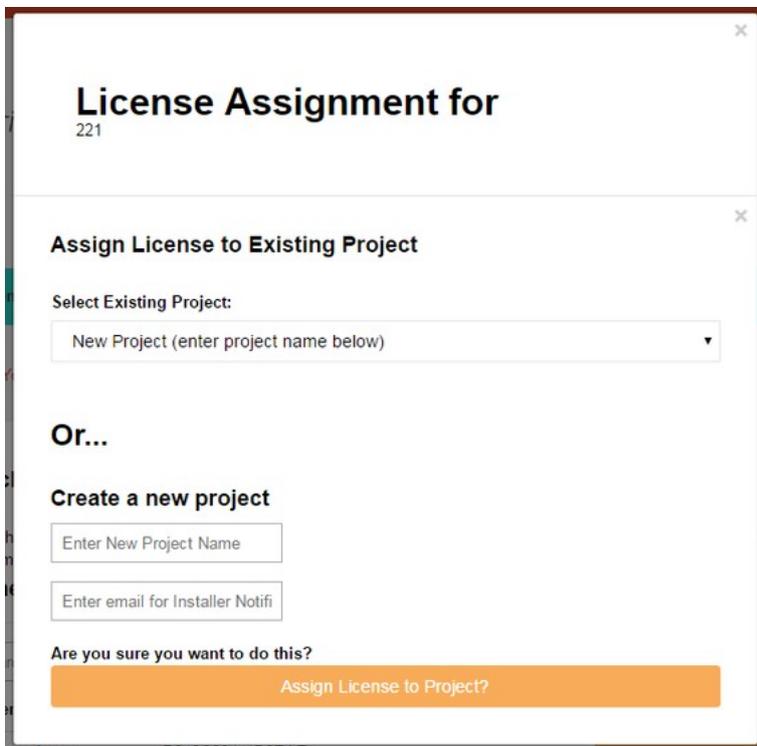
5. Choose your payment option, provide the relevant details and click **Place order**



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



7. From here assign the licence to the project we created or if you did not follow that step create a new 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 20231006 - 06-OCT-2023

- Added RF433 Transmitter support

Version 20230816 - 16-AUG-2023

- Initial release