

SainSmart iMatic v2 Installation and Usage Guide



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Overview

The SainSmart iMatic V2 provides 8 x 250V/AC 10A Relays channels that is controlled over ethernet TCP/IP. This unit is extremely affordable, is powered via a local 12vdc supply and is also din mountable. Other integrated solutions cost anywhere from 3 times to 10 times more. This is by far the cheapest way to integrate relays into Nice Home Management / ELAN.

Features

- IP Controllable
- 8 x Relays
- Two way control/feedback
- Fast Switching - Commands fire in 500ms intervals
- Extremely Affordable

FAQ

Where can i purchase this unit?

This product can be purchased from the [Sainsmart website](#)

Can i use more than one unit at the same time?

Unfortunately not. Sainsmart have advised us that only one unit can be used on the same network at any time.

Why can't I trigger all the relays at once?

Due to limitations in the device we can only send 1 command at a time per request. Each request is sent immediately after we receive a reply. As such you may notice a slight popcorn effect (for approximately 500 milliseconds from our tests) especially in devices such as blinds and lights.

Do you offer showroom discounts?

We offer dealers a free showroom licence for demonstration and educational purposes. More information is available from the [Chowmain Website](#)

Setup

Requirements

- Nice Home Management Core 8.8.600 or later is required
- This driver requires a valid licence for use. More information is available on the [Chowmain Website](#). Customers can also trial the driver for 90 days prior to licence purchase. Dealers who have showrooms can demonstrate the driver for free via the Chowmain Dealer Showroom Licence. You can apply for a showroom licence via the Chowmain website.
- Sainsmart iMatic v2 device.
- Only iMatic V2 device may reside on a network simultaneously. Multiple existing devices will cause a conflict

Sainsmart iMatic v2 Purchase

You can purchase the hardware from the [Sainsmart Website](#)

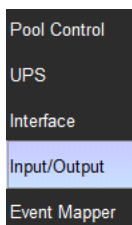
Sainsmart iMatic v2 Configuration

- The Sainsmart iMatic v2 is configured to a static IP address of 192.168.1.4 out of the box. Please set this up to a static IP address on the same subnet as your Nice Home Management system.
- Note that only 1 Sainsmart iMatic V2 is supported by your network due to hardware limitations.
- You can configure the unit using a webbrowser from: <http://192.168.1.4/30000>

Installation Process

Once you have physically installed your Sainsmart iMatic v2 and have connected it via wifi to your network please follow the steps below.

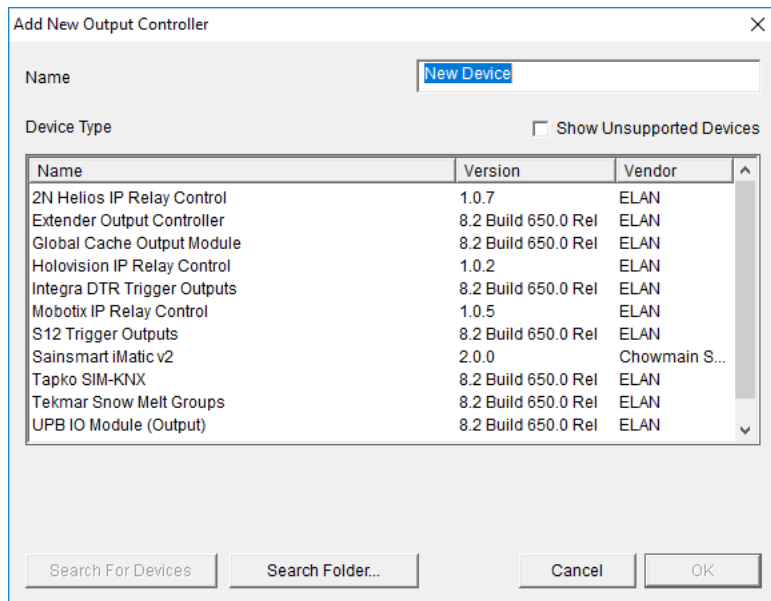
1. Download the latest version of the driver. More incormation is available from the [Chowmain Website](#)
2. Extract the file to your preferred driver storage location.
3. In configurator click on the Input/Output tab



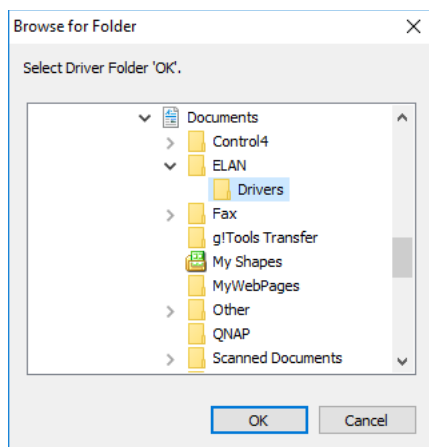
4. Click on the arrow next to Relay Outputs
5. Click on Add New Output Controller



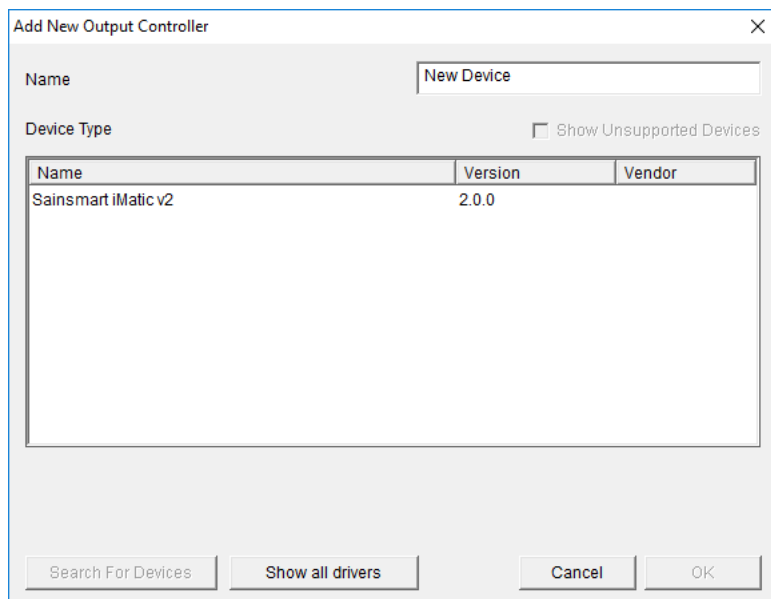
6. Click on the Search Folder button



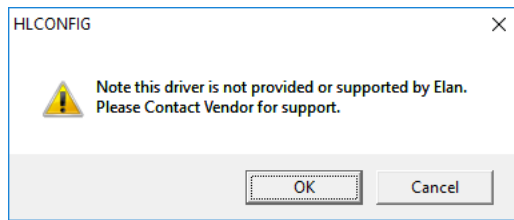
7. Select your driver folder and press ok



8. Select your Sainsmart driver and press ok



9. Configurator will warn you that the driver is not provided or supported by Elan/Nice. Click on OK.



10. Type in the IP Address of the Port of the Sainsmart iMatic v2.

Note: The default of 30000 is recommended if you have left it as default.

IP Address	172 . 16 . 16 . 123
Port	30000

11. Congratulations you have successfully setup the Sainsmart iMatic v2 driver for ELAN. Now you need to program the relays to turn on and off via event maps.

12. Please note, a licence purchase will be required to use this driver outside of the initial trial period

Configuration

The following table provides settings used in Configurator when connecting to Sainsmart devices. Please refer to the Configurator Reference Guide for more details In the table below:

- *User Defined*, etc. Type in the desired name for the item.
- *Auto Detect*, etc. The system will auto detect this variable.

Devices	Variable Name Setting		Comments
Output Controller (Sainsmart iMatic v2)	Name	"User Defined"	
	System#	"Auto Detect"	
	Driver Version	"Auto Detect"	
	Driver Vendor	Chowmain Software & Apps	
	Device Type	Sainsmart iMatic v2	
	Activation Key	"User Defined" This is the driverCentral activation Key	See Note 1
	Activation Status	"Auto Detect" This provides the licence status feedback	See Note 1
	IP Address	This is the IP address of the Sainsmart iMatic v2	
	Port	This is the „ port“ defined in the Sainsmart webserver.	See Note 2

Notes:

1. The driver requires a valid licence for use. All of the licences are site licences. This means that you can use as many instances of the driver as you want in a single system with the one licence. The driver also comes with a built in 90 day trial. The driver will provide feedback as to the state of the licence in the Activation Status field.
2. The Sainsmart iMatic v2 allows for you to change its default port. This isn't really a port but changes part of its URL. Leave this as the default of 30000.

COMMON MISTAKES

1. This device will only accept a single IP connection at any time. I have found that multiple connections may lock up their webserver so please do not utilize the driver whilst configuring the device on the webserver.
2. Only a single Sainsmart iMatic v2 is supported on any network. Do not install more than one unit on the network.

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?

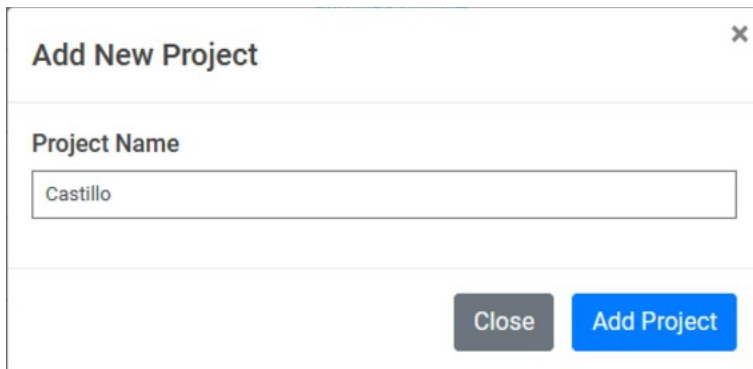
This driver is developed by Chowmain software & Apps and is distributed by driverCentral, Inc
<https://www.drivercentral.io/chowmain-ltd>

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

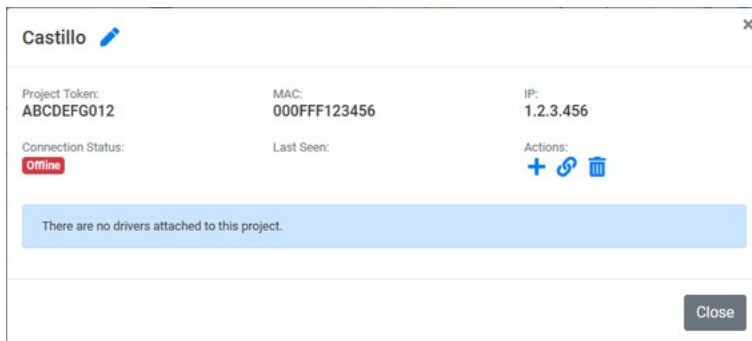


The screenshot shows a modal dialog titled "Add New Project". Inside the dialog, there is a label "Project Name" above a text input field. The input field contains the text "Castillo". At the bottom right of the dialog, there are two buttons: a grey "Close" button and a blue "Add Project" button.

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



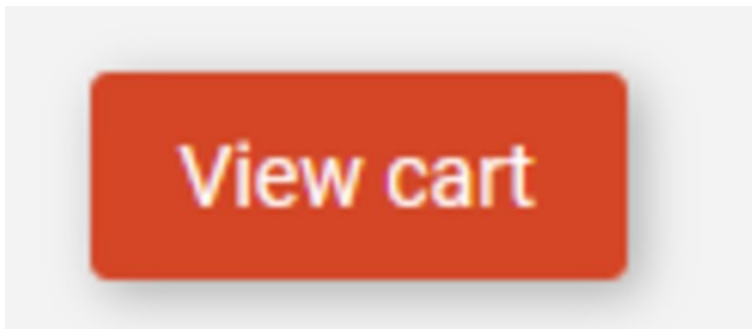
- Click **Close**

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
			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?

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.

CHANGELOG

Version 2024.7.29 - 29-JUL-2024

- Modernise Backend
- Add Improved Troubleshooting and Submit Diagnostics support
- Upgrade Communication Stack

Version 2.0.2 - 27-APR-2021

- Resolved issues with trial licencing no activating.

Version 2.0.1 - 13-NOV-2018

- Fixed issue affecting driver failing to reconnect if sainsmart device has been offline for a period of time.

Version 2.0.0 - 24-SEP-2018

- Initial Release