

Nice Energy Management Installation and Usage Guide



Version: 20240521
Date: Tuesday, May 21, 2024
Authors: Alan Chow

chowmainsoft

Contents

Overview.....	3
Features.....	4
Setup Driver.....	5
Requirements.....	5
Basic Setup.....	5
Programming UPS Battery.....	5
Programming Sequences.....	5
Programming Outlet Cycling.....	6
FAQ.....	7
What are the Requirements for this driver?.....	7
Why is this product so exciting?.....	7
What cool things can you do with this driver?.....	7
What hardware will this work on?.....	7
Do you offer any other cool drivers?.....	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 20240521 - 21-MAY-2023.....	15

Overview

Nice Energy Management (formerly known as Panamax) focuses on advanced solutions to protect and manage the energy use of electronic equipment and appliances through its range of IP Power Managers, Power Conditioners and Battery Backup solutions.

Their energy management systems are designed to enhance the efficiency and longevity of connected devices by regulating the power supply and protecting against harmful electrical surges and spikes. These systems are particularly useful in home theaters, audio/video installations, and other high-end electronic setups, ensuring optimal performance and energy utilization while also safeguarding expensive equipment from electrical damage.

Integration of Nice Energy Management products to Control4 provide the ability to manage outlets to turn off, on, toggle, cycle and run sequences and monitor voltage, amperage, wattage, battery level, power outages and more.

Features

- Supported products include
 - C3IP
 - CV3
 - DC12IP
 - M4000
 - VT1512
 - MB1500
- Commands
 - Turn Off Outlet
 - Turn On Outlet
 - Toggle Outlet
 - Cycle Outlet
 - Sequence On
 - Sequence Off
- Feedback
 - Voltage
 - Amperage
 - Wattage
 - Power Factor
 - Power VA
 - Battery Level
 - Protection Fault
 - Protection Ok
 - Power Condition - Normal
 - Power Condition - Fault Recovery
 - Power Condition - Under Voltage
 - Power Condition - Over Voltage
 - Power Condition - Power Lost
 - Breaker Opened
 - Breaker Closed
 - Power Supply Protection - OK
 - Power Supply Protection - Inhibit
 - Power Supply Protection - Prioritize
 - Power Supply Protection - Shutdown
 - Power Supply Overload - OK
 - Power Supply Overload - 12V DC Supply Fault
 - Power Supply Overload - Line Neutral Fault
 - Power Supply Overload - Output Overload Fault

Setup Driver

Requirements

- Control4 OS 3.3.2 is the minimum required. Earlier Control4 OS Versions are not officially supported.

Basic Setup

****NOTE: **** You will need one instance of this driver per device you wish to control.

1. Click on System Design
2. Click on Search
3. Type in Nice
4. Add in 'Nice Energy Management'
5. Highlight driver on left hand side
6. Enter IP Address in of unit
7. Select device class (this is the unit model you want to control)
8. Enter in the Ethernet Mac address of the unit in lower case. This is found on the device's web interface.
9. Click on Actions
10. Click on Rebuild Bindings
11. Click on Connections
12. Bind relay bindings to relevant devices.
13. Refresh Navigator

Programming UPS Battery

The UPS battery integration can be programmed against battery level and power outages

Battery Level

To program against battery level please utilise the battery level variable. If desired you can provide your customer with a battery level icon by using the [Chowmain Battery Indicator](#).

Power Outage

You can program against power outages by using the 'Power Condition - Power Lost' event.

Programming Sequences

You can programmatically fire On and Off sequences via the driver's programming commands. Sequences are set up via the device's web interface.

Programming Outlet Cycling

The driver can power cycle an outlet. This includes outlets that control the network and Control4. Once the command is sent the Nice hardware will execute the power off and then power on of the outlet.

FAQ

What are the Requirements for this driver?

- Control4 OS 3.3.2
- Control4 HC-XXX Series controllers are not supported

Why is this product so exciting?

- Nice produce a range of equipment to manage the power of the electronics in your home.
- The product we are most excited about though is the [DC12IP](#) which is a smart DC power manager designed to power and manage up to 12 devices via 12VDC, 5VDC and USB Type A all on a single rack space unit.
- You can also monitor the battery level of the MB1500 UPS and automate based on power outages.

What cool things can you do with this driver?

- You can power cycle a device easily (even if it is the network switch, router or even the Control4 controller)
- You can execute a power on or power off sequence
- Manage DC power (5vdc, 12vdc, usb) with ease via [DC12IP](#).
- Monitor Battery Level of [MB1500](#) UPS.
- Combine with the [Chowmain Battery Indicator](#) driver for battery level display on navigator.
- Combine with the [Chowmain Power Outlet](#) Experience Button for outlet display on navigator.

What hardware will this work on?

Supported models include

- [C3IP](#)
- [CV3 card](#) that is used within
 - [M4315-PRO](#)
 - [M4320-PRO](#)
 - [MB1500](#)
 - [F1500-UPS](#)
- [DC12IP](#)
- [M4000-PRO](#)
- [VT1512](#)

You can find the entire range via the [Nice Energy Management 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?

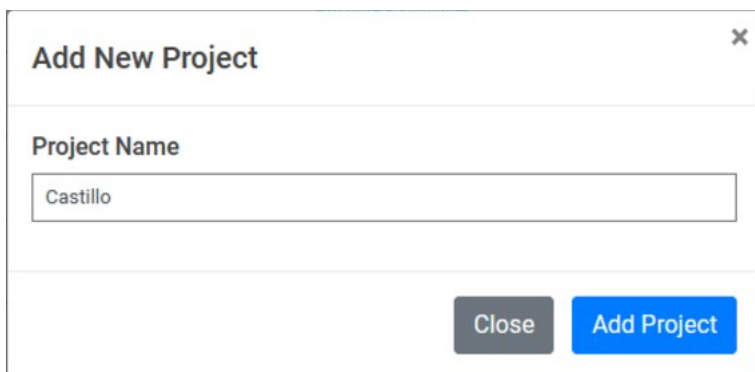
This driver is developed by Chowmain software & Apps and is distributed by driverCentral, Inc
<https://www.drivercentral.io/chowmain-ltd>

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

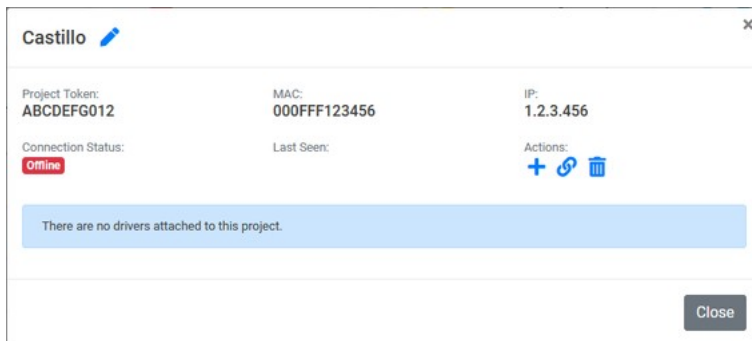


The screenshot shows a modal dialog box titled "Add New Project". Inside the dialog, there is a label "Project Name" followed by a text input field. The input field contains the text "Castillo". At the bottom right of the dialog, there are two buttons: a grey "Close" button and a blue "Add Project" button.

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



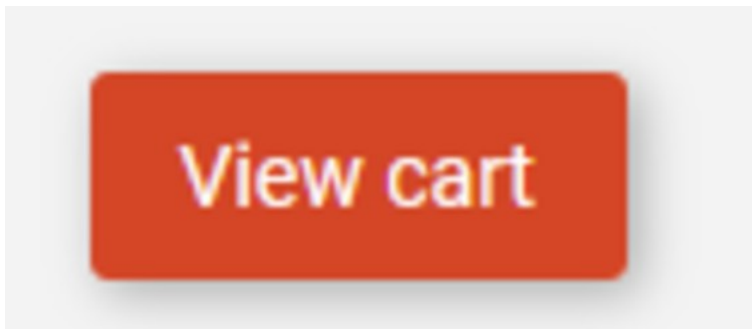
- Click **Close**

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
[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

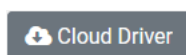
Enter email for Installer Notifi

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	
	Project token from driverCentral.io project portal
Driver Actions	v
Debug Mode	Off 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 v

Developer Information



Copyright © 2024 Chowmain Ltd. <http://www.chowmainsoft.com>

All information contained herein is, and remains the property of Chowmain Ltd and its suppliers, if any. The intellectual and technical concepts contained herein are proprietary to Chowmain Ltd and its suppliers and may be covered by U.S. and Foreign Patents, patents in process, and are protected by trade secret or copyright law. Dissemination of this information or reproduction of this material is strictly forbidden unless prior written permission is obtained from Chowmain Ltd.

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 20240521 - 21-MAY-2023

- Initial release