

POWER AGENT

INSTALLERS GUIDE

BASIC SETUP
& FEATURES

BROUGHT TO YOU BY:



OVERVIEW

The Power Agent is a relay control driver that allows customers to power on/off devices and provides excellent troubleshooting services - all with sleek, user-friendly icons to represent each device. The driver gives customers a great power control dashboard for PDU brands like Wattbox, Pakedge, Panamax, etc.

Looking to take your smart home to the next level? Energy Automation is here and is taking the home automation industry into the future. The Power Agent is also used to support features like circuit and appliance control from Control4 systems. Manufactures like sonnen, Lumin, Eaton and ADAPT use this software to control power in the home. This driver can even communicate with the sonnen ecoLinX driver to support energy saving solutions!

FEATURES

- Simple integration of power devices into Control4
 - Control a single outlet, relay, circuit or appliance per driver
 - Power On, Off, Toggle and Cycle actions
 - Power options via composer, navigator and director actions
 - Auto hide in all rooms except room driver was added, making installation fast and simple
 - Automatic push notification support enabled
 - Supports Cinegration Developments feature rich notification services (Email, Push, Voice, Popup)
 - DriverCentral Trial and Showroom license compatible
- See FEATURES section for more details

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02. DRIVER INFO

03. DRIVERCENTRAL FEATURES

04. SETUP

06. FEATURES

POWER AGENT



POWER AGENT

COMPATIBLE CONTROL4 SYSTEMS |

Functional with 2.9.1+ though certain features are designed specifically for 3.0+

COMPATIBLE HARDWARE |

Wattbox, Luxul PDU16, Packedge, Relay Controlled output of AC3, EA5, I/O Extender, Control4 ZIO

CHANGE LOG |

Please visit <https://www.drivercentral.io>

DRIVER LICENSE ACTIVATION |

A single license will unlock as many instances of the driver as needed in your project. Cloud Driver is required to activate all DriverCentral licenses and trials. Here is a quick video that demonstrates the licensing process: <https://www.youtube.com/watch?v=-wVmB5wjbM&t=5s>

SHOWROOM AND FREE TRIAL |

All Cinegration Development drivers for Control4 come with a 7-day trial. Simply add the DriverCentral licensing driver along with this driver and you can fully test the driver before purchasing. Including Cinegration Development drivers in your showroom project will give you unlimited use without purchase.

WARRANTY & DISCLAIMER |

Cinegration strives to provide fully working drivers without defects. However, changes and bugs may be found. Because of this, any bug/maintenance update to this driver will be free of charge. Due to the ever-changing nature of computer and audio/video systems, if a new version of the Control4 software creates issues with this driver, or feature enhancements, an upgrade version will be provided for an additional expense or free as determined by Cinegration.

This driver contains code written by Cinegration LLC. Any modification to this driver without the express written permission or without the express consent by Cinegration will void all warranties, constitute a ban on all drivers released by Cinegration and potentially legal action.

EASY LICENSING & DRIVER MAINTENANCE

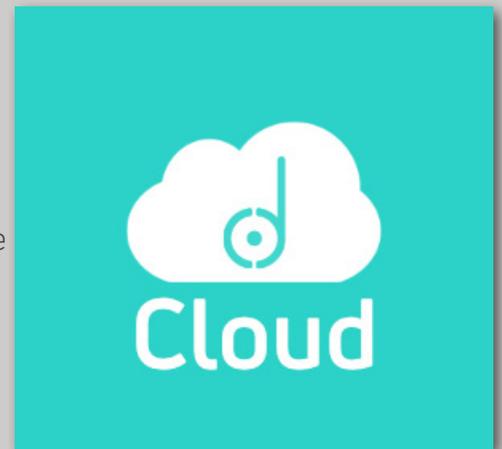


PROJECTS PORTAL

The projects portal is designed with the dealer in mind. Keep track of all of your licenses and projects while keeping your drivers current with ease. The portal is your license management system that allows for seamless control. Add, remove, rename projects or assign your brand new driver license to a customer project. You may even receive notifications if your projects have fallen offline in turn being more aware of your customers unexpected needs. You may also select to update drivers due for an upgrade, either per project or all projects found in the portal in just one click.

CLOUD DRIVER

Licensing your whole project without the need to type in a license key and more are handled by the Cloud Driver. The driver connects all of your driver central projects to the physical projects you are working on. The project token is the key that connects the project portal to the DriverCentral drivers in your project in order to activate licenses, activate showrooms, and even start free trials which come with all DriverCentral drivers. On top of that it lets you to update your drivers directly from the projects portal. It even allows the set it and forget it method by turning on the auto update features available in all DriverCentral drivers.



AUTOMATIC UPDATES

The aforementioned set it and forget it method. All DriverCentral drivers allow the dealers to turn on the Automatic Updates feature if desired. With this enabled you can rest assured that your customers have the latest features and software fixes implemented in their projects. To save time you may even use the Cloud Driver to turn all drivers with this feature in your project on or off with a couple of clicks.

Automatic Updates

On

EASY DEBUGGING

All of our drivers come with debug modes that can assist us in helping you if you ever run into any issues. If you ever need assistance with DriverCentral drivers or the site contact the Driver Ninja by visiting help.drivercentral.io

Debug Mode

Off

CONTROL4 DRIVER SETUP |

a. Add driver to project

Items

Locations | Discovered | My Drivers | Search

power agent

Local Online Certified Only [Clear Search](#)

Category: -- All Categories --

Type: -- All Types --

Manufacturer: -- All Manufacturers --

Control Method: All Methods Sort: Relevance

Power Agent
Cinegration 8/29/2019 4:39 PM **Local**

b. Bind driver to relay device driver

- System Design**
- Connections**
- Media**
- Agents**
- Programming**

Control & Audio Video Connections

Power Agent

Name	Type	Connection	Input/Output	Connected To
Control Inputs				
Power Connection	Control	RELAY	Input	WB-600 7.0.0->Relay 1

CONTROL4 DRIVER SETUP |

c. Customize driver settings and notifications (see the Features pages for more details).

The screenshot shows the Control4 software interface. On the left, the 'System Design' menu is highlighted with a blue bar and an orange arrow pointing to the right. Below it, the 'Refresh Navigators' menu is also highlighted with a blue bar and an orange arrow pointing down. On the right, the 'Driver Settings' dialog box is open, showing various configuration options. The 'Driver State' is set to 'Fri Aug 30 09:24:01 2019: OFFLINE Driver Loaded'. The 'Cycle Time' is set to '10'. The 'Amount of time (in seconds) for power delay on cycle' is set to 'No'. The 'Invert Power State' is set to 'No'. The 'Auto Rename Driver' is set to 'Enabled'. The 'Notification Settings' section shows 'Power Events' set to '(Select)'. The 'Email/Text Notification Settings' section shows 'Email: Service' and 'Email: Customer' set to empty fields, and 'Email: Subject' set to 'My Control4 Smart Home'. The 'UI Settings' section shows 'UIButton: Single Tap' set to 'Toggle Power', 'UIButton: Double Tap' set to 'Nothing', and 'Icon Style' set to 'standard'. The 'Control4 Navigators' field is set to 'Select'.

d. Refresh Navigators

The screenshot shows the Control4 software menu bar. The 'File' menu is open, showing the following options: 'Clear Project' (Ctrl+N), 'Load Project' (Ctrl+O), 'Cloud Management', 'Backup to Cloud', 'Connect to Director', 'Disconnect from Director', 'Back Up' (Ctrl+S), 'Back Up As', 'Refresh' (F5), 'Refresh Navigators' (Shift+F5), 'Validate Project' (Ctrl+F5), and 'Exit'. The 'Refresh Navigators' option is highlighted with a blue bar and an orange arrow pointing down.

Your driver setup is now complete!

If you require additional assistance or are having some issues please visit our help desk:

<https://help.drivercentral.io>

We are always looking to improve our drivers. Please send your suggestions to:

info@cinegration.com

DRIVER SETTINGS |

These settings allow you to control the primary properties of the driver:

Driver State: Reports the current state of the driver as well as its date/time of occurrence

Cycle Time: Amount of time (in seconds) for power delay on cycle action

Invert Power State: Have the driver/icon reflect the opposite power state

Auto Rename Driver: if enabled it serves as a hassle free way of to update the name of the driver/icon to reflect the name of the connected relay

NOTIFICATION SETTINGS |

Customize the kinds of notifications you and your client would like to receive based on events in the driver. Your customer can receive push notifications or emails when they are away. When at home they can choose receive the notifications via touchscreen or perhaps receive voice notifications when an event occurs. The driver is built in with certain defaults that the developers believed would be suitable for an average customer though the dealer may customize as they please. Messages may also be customized with composer variables being inserted in the notification.

4sight NOT required!

Power Events	OFFLINE	OFF	Display Status	ON	ALERT
<i>Description</i>	When driver is not communicating to power device or deactivated	When device turns off	When this event/action is triggered	When device turns on	When an alert occurs: energy, voltage, error, informational
<i>Message</i>	[NAME] is offline or not communicating with Control4	[NAME] has turned off	n/a	[NAME] has turned off	[NAME] has received an alert. [ALERT]
Driver Defaults					
<i>Push</i>	No	Alert	No	Alert	Alert
<i>Customer Email</i>	No	No	No	No	No
<i>Service Email</i>	No	No	No	No	No
<i>Voice</i>	n/a	No	n/a	No	n/a
<i>Navigators</i>	n/a	No	Yes	No	No

EMAIL/TEXT NOTIFICATION SETTINGS |

The email/text notifications set under Notification Settings may require an email address to send the email to. Here you may set both the Service email as well as Customer email preferences under the Email: Service and Email: Customer fields, respectively. You may also customize the subject line of the email in the Email: Subject field. In order to receive the notification to text enter the recipient's phone number followed by the correct carrier domain in the email section:

AT&T: [number]@txt.att.net (SMS), number@mms.att.net (MMS)

T-Mobile: [number]@tmomail.net (SMS & MMS)

Verizon: [number]@vtext.com (SMS)

Sprint: [number]@messaging.sprintpcs.com (SMS), number@pm.sprint.com (MMS)

Note: Verizon does not allow MMS via this method with our email service. Only SMS (no picture) alerts are allowed.

A test email may be sent to verify functionality by going into Driver Actions and selecting the Test Service Email or Test Customer Email

Again, 4sight NOT required!

UI SETTINGS |

UI Button: Single Tap and Double Tap

Cycle Power: Cycle the power of the device based on the Cycle Time set under Driver Settings

Display Status: Displays status of driver based on the set Notification Settings

Nothing: Disable Single Tap or Double Tap actions

Toggle Power: Switch between the Power On and Power Off state of the driver

Turn Off Power: Set device to the Power Off state

Turn On Power: Set device to the Power On state

Icon Styles to choose from (see section "ICON STYLES" for more details):

Breaker

Standard

UI Button: Single Tap & Double Tap	Customize actions associated with a single tap or double tap of the icon:					
	<i>Cycle Power</i>	<i>Display Status</i>	<i>Nothing</i>	<i>Toggle Power</i>	<i>Turn Off Power</i>	<i>Turn On Power</i>
Icon Style	Customize Icon Style to match your preference (see section "ICON STYLES" for more details)					
	Styles to choose from:		<i>Breaker</i>	<i>Standard</i>		
Control4 Navigators	Select the Touch Screens to receive Navigator notifications.					

ICON STYLES |

Many Cinegration Development LLC drivers come with customizable icons, including the Power Agent. If you would like your own custom icons loaded into the driver, please email: drivers@cinegration.com. We can create customized icons that will provide the final style touches to your projects. For this, please send a sample picture or include a description of how you would like the icon to look. We would gladly load it into the driver for you for a fee.

STANDARD ICON STATES



ON



OFF

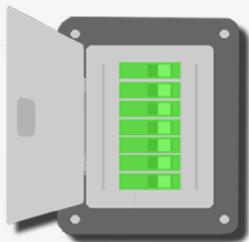


ALERT

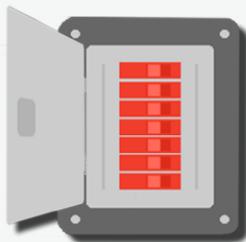


OFFLINE

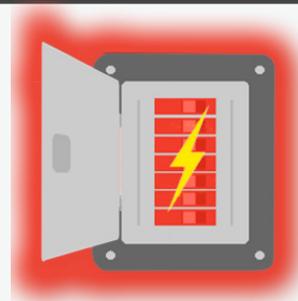
BREAKER ICON STATES



ON



OFF



ALERT



OFFLINE

DEFAULT ROOMS |

By default the UI button will be added to the following rooms after installing the driver:
-Comfort Section in the room the driver was added to