

IsoTek Alpha Delta Theta Installation and Usage Guide



Version: 20250414
Date: Wednesday, May 21, 2025
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Overview

The IsoTek SMART Power driver for Control4 is designed for control and monitoring of the IsoTek Alpha, Delta and Theta power distribution units providing bi-directional control and monitoring over via either IP or RS232.

Features

- Sponsored driver so it is FREE.
- Control over the 8 or 16 channel IsoTek Smart Power Models
- IP & RS232 communications
- Automatic Discovery (or static IP address if preferred)
- Feedback for
 - Voltage
 - Wattage
 - Outlet State
- Control over
 - Outlets (Individual or all)
 - Device Restart
 - Device Type configuration
- Events for
 - Minimum Wattage Reached
 - Maximum Wattage Reached

Quick Start Guide

Serial / rs232

1. Connect an Alpha, Beta or Theta unit via the serial port to a serial port on your controller
2. On the Connections tab, make the binding from the driver's Serial RS-232 connection to the appropriate serial port on the controller

Ethernet

1. Connect an Alpha, Beta or Theta unit via the ethernet port to the same network as the controller
2. Set Auto Discovery Enabled to True. Within the next 60 seconds, you should see the channel properties populate. If for some reason the Auto Discovery fails. You can manually enter the IP address.

Relay Bindings

- Once the Properties fields have populated, you will now have a binding in the Connections tab for each channel.
- Now add from 'My Drivers' the Relay driver for each channel you wish to control

Configuration

Actions

- All Outlets Off: Turns off all outlets
- Device Restart: Restarts the Isotek unit
- Sync Time and Date: Syncs the Isotek unit's date and time with the time/date from the Control4 Primary Controller

Commands

- All_Outlets_Off: Switches all Isotek outlets off
- All_Outlets_On: Switches all Isotek outlets on
- Device_Restart: Restarts the Isotek Unit
- Switch_Outlet: Sets the power of an outlet to on, off or toggles the outlet

Properties

- Driver Version: The version of the driver that is currently installed
- Control4 MAC Address: MAC Address of the Control4 Primary Controller
- Debug Mode: Set this to enable troubleshooting
- Debug Level: Adjusts the verbosity of debugging

- Driver Information: Connection status of the driver
- Connection Status: Connected / Disconnected status of the connection
- IP Address: You can manually enter the address or have it populate automatically with the Auto Discovery Enabled field
- Port: The default port number is 501
- Model: This is the reported model of the unit connected to the driver
- Serial Number: This is the reported serial number of the unit connected to the driver
- Number of Outlets: This is automatically set when the driver first connects to a unit. Changing this value will reset the driver. You shouldn't need to change this value.
- Auto Discovery Enabled: Setting this to True, the driver will send a broadcast packet across the subnet (the unit cannot be on a different subnet) to discover a unit and configure the driver appropriately.
- Unit Voltage: This is the reported voltage being handled by the unit
- Outlet *number* Name: Used to display the current name of a channel and to change the name of the channel
- Outlet *number* Type: Used to display the current channel's type and to change the type - Normal/Router/Locked
 - WARNING: Don't expose a connected motorization driver to the user if the type is set to Router or Locked. The UI status will become out of sync.
- Outlet *number* Reset Sequence Delay: Sets the Sequence delay for this channel
- Outlet *number* State: Displays the reported state of the channel - 1=On/0=Off
- Outlet *number* Wattage: Displays the reported wattage of the channel
- Outlet *number* Min Wattage: Use this to set the threshold for the reported wattage on the channel
- Outlet *number* Max Wattage: Use this to set the threshold for the reported wattage on the channel

FAQ

My driver won't discover the unit even though it has an IP address and is on the same subnet.

- Some devices on a network, like access points will by default block UDP traffic. If this is the case, you can simply enter the IP address manually in to the driver

I've connected the unit via serial cable to the controller and made the correct binding but nothing is happening.

- You can try enabling the Null-Modem Serial Port setting on the controller's Advanced Properties page.
- Try using Putty to connect to the unit when it is connected to the rs232 port on your computer. You should see data coming in. If not, the problem is with the unit or the cable, not the driver

Where do I get support if I there are issues?

Please contact Isotek directly via

- Website: <https://isoteksystems.com/>

CHANGELOG

Version 20250414 - 14-APR-2025

- Control4 X4 Support
- Low Level Speed optimisations on OS3.X
- Organise Actions
- Improve Debugging. Resolve crash when logging with OS3.X
- Improve Sync Time/Date Action
- Add All Outlets On Action
- Resolve Issue where manual IP address being set does not trigger Auto Discover
- Resolve various cases where discovery is incorrectly not triggered
- Upgrade documentation

Version 105 - 21-JUL-2020

- Additional label changes
- Fixed feedback to connected devices of a channel's current state

Version 104 - 06-JUL-2020

- Minor label changes

Version 103 - 02-JUL-2020

- Improved detection of channel numbers
- populated Model field
- Removed unnecessary property fields

Version 102 - 30-JUN-2020

- Beta Release