

Driver Installation/Explanation of options:

It is recommended that you know how Vantage works before you integrate it into Control4. Integrating Vantage requires the knowledge of Enclosure and station load addresses and while some of it can be found via simple logic, some (station load's specifically) require knowledge of the Vantage program.

Wiring for RS232:

- Control4 and Vantage require a RS232 cable to be connected between the two systems. While there is a RS232 port on the front of the controller, Vantage recommends you using the spot located behind the main panel. If possible, connect to Port - A (the screw down terminals located on the back of the main processor).
 - Connecting to Port A:
 - Loosen the screws to the left and right of the processor and pull (it will be kind of hard to pull off)
 - BE CAREFULL!!!! (There is live wiring in here)
 - Screw down Ground, TX and RX under Port-A (see attached picture)
 - (Note: if during installation, you don't get any feedback information try swaping TX and RX around
 - Once this is done, snap processor back on. This should cause the vantage processor to load back up
 - Connecting to the front port
 - Connect to it using a DB25 to DB9 adapter
 - Note: you will need to modify the front enclosure panel to allow the door to close.

Finding the address of an Enclosure load:

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- Enclosure Load
 - The address is broken down into 4 sets each separated by a -
 - a-b-c-d
 - a: The Enclosure Number (this starts at 0 for the first enclosure and goes up from there)
 - b: controller number
 - c: module number
 - d: load number
 - Each address must be assigned in this manner for the program to work.
- Station Load:
 - a-b-c
 - a: Controller Number
 - b: Station Number
 - c: Load Number
- ▲ *Control4 Driver Setup*
 - Main Driver Setup
 - Once the RS232 binding has been made, Under Actions, press Setup Communication. This will setup RS232 communication with QLink including how RS232 are supposed to be formatted and transmitted

- Begin adding in Lights into the project
- Relay Addresses:
 - ▲ Control4 uses relay proxies that allow customers to visually 'see' certain motors in the home via the Control4 interface. These include, fireplaces, fans, fountains, Motors, Heat tape etc... The point of entering the address of the low-voltage station load here is that the dealer can create this mapped point in the Control4 program.
- Property: Vantage CMD Send Delay
 - ▲ This property delays the sending of messages to Vantage so as to not overload a vantage program. This can happen when the customer has multiple controllers linked together. The delay is in milliseconds and the default is 20
- Slave Device Setup (Dimmer/Switch)
 - It is assumed that the main driver is already installed and communication is setup between Qlink and Control4
 - Under Properties
 - ▲ Enter the Light Address
 - This can be either a Enclosure load (represented by 4 digits separated by a -) or a Station lod (represented by 3 digits separated by a -)
 - Load Type will automatically be updated to reflect the load type
 - ▲ The Driver Information tab is designed to help a dealer during setup and troubleshooting
 - There different outputs for this field and will explain how the light is communicating with Vantage or only with the main driver
 - Upon entering an address, the driver will ask the Qlink system what the loads current status is. If a reply is received Driver Information will update to reflect.

Once this is done the driver should be ready for deployment.

Events/Actions/Variables:

- Main Driver Composer Events
 - Station Load Button Release/Press
 - This event fires when a station button has been pressed or released
- Light Driver Events
 - Level Changes
 - This will fire when Control4 receives a level change from Vantage
- Main Driver Variables
 - None
- Light Driver Variables
 - Light Level, Light State
- Main Driver Coposer Actions
 - PRESS_STATION_BUTTON
 - Arguments
 - ADDRESS

- This is the address of the station button (0-0-0)
 - CHANGE_TO
 - OFF (Turns off the station button)
 - ON (Turns on the station button)
 - LEARN (Vantage Learn command)
 - DIM (Vantage Dim command)
 - PRESS (Presses the station button) - most common
 - RELEASE (Releases the station button)
 - PRESSRELEASE (Press and Release of the station button) - 2nd most common
 - STATION_LED_UPDATE
 - Arguments
 - ADDRESS
 - Address of the station load (0-0-0)
 - CHANGE_TO
 - OFF (turns off the Led)
 - ON (turns on the Led)
 - BLINK (blinks the Led)
 - CUSTOM_COMMAND
 - Arguments
 - CMD (this is a custom Vcommand for Vantage. Basically a direct input string to send vantage commands).
 - Note: does not require end character
 - TIM_FUNCTION
 - Arguments
 - ADDRESS
 - Address of the Timer
 - STATE
 - ON (Turns on the timer)
 - OFF (Turns off the timer)
- Light Driver Actions
 - Standard Control4 light actions

Notes:

- This driver contains code written by Cinegration. Any modification to this driver or any driver written by Cinegration without the express consent will void all warranties, constitute a ban on all drivers released by Cinegration and potentially legal action.
- This driver has been designed to work with Control4® OS 2.6.0 and higher

Warranty:

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. However, 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 LLC.