

UniFi Connect Control4 Documentation

Dealer Notes

- **Content & Display Mode:** Changing content doesn't automatically change Display Mode. To set Display Mode, use the "Display Mode" command in Composer. For instance, if Display Mode is "Media" and you load the "Protect" app, "Protect" will display the next time Display Mode is set to "Android App."
- **Enabling UniFi Protect as an App:**
 1. In UniFi Connect, go to **Settings**.
 2. Select **System**.
 3. Enable **Protect Application**.
- **Audio Connection for Cast Devices:** The audio connection in Control4 is only for programming; Cast devices do not have a dedicated audio output.
- **HDMI Power Off for Cast Devices:** Set **Power Off** to **Proxy Off** in Driver Properties. This setting powers off HDMI when all Control4 rooms watching the device are turned off.
- **Control Limitations:** Navigation buttons, channels, and controls are non-functional.

Tested Hardware/Firmware

This driver has been tested with the following:

- **Control4 OS:** 3.4.2 (CORE, EA, CA)
- **UniFi Connect Version:** 3.15.9
- **Devices Tested:** UC-Display, UC-Cast
 - Note: UC-Cast-Pro was not tested, but it is expected to work based on the API.

Installation

1. **Create a Local User:** Create a non-UI account with Full Management rights in UniFi Connect.
2. **Add Drivers:**
 - Add **UniFi Connect Gateway** (`unifi_connect_gateway.c4z`) to the project.
 - Enter IP, Username, and Password to connect to UniFi Connect.
 - Once connected, the driver will display "Connected to UniFi Connect."
 - Add **UniFi Connect Cast** (`unifi_connect_cast.c4z`) and **UniFi Connect Display** (`unifi_connect_display.c4z`) for each device to be controlled.
3. **Make Bindings:**
 - Bind gateway and AV connections for Cast devices.

4. Refresh Navigators

Example UniFi User Account:

- Ensure the user account created has **Full Management** permissions for seamless driver functionality.

Edit Admin ✕

☒ Restrict to Local Access Only

Local Credentials ⓘ

Username
Control4-Connect

Password
.....

☐ Use a Predefined Role

Protect
None

Access
None

Talk
None

Connect
Full Management

OS Settings
None

☐ Save as a Predefined Role

UniFi Connect Gateway

Driver Commands

- **Enable Automation:** Enables a UniFi Connect Automation
- **Disable Automation:** Disables a UniFi Connect Automation

Driver Events/Variables/Conditionals

- **Online State Changed:** Detects device online status changes.
 - Variable: `DEVICE_ONLINE`

UniFi Connect Display/Cast/Cast Pro

Driver Commands/Variables/Events

- **Online State Changed:** Detects device online status changes.
 - Variable: `DEVICE_ONLINE`
- **Power State Changed:** Monitors power on/off status and controls power.
 - Variable: `DEVICE_POWER`
 - Command: **Power**
 - **Set State [On, Off]**
- **Volume Changed:** Responds to volume adjustments and allows volume control.
 - Variable: `DEVICE_VOLUME`
 - Command: **Volume**
 - **Set Level [0-40]**
- **Brightness Changed:** Triggers based on brightness changes with adjustable control.
 - Available on `unifi_connect_display.c4z`
 - Variable: `DEVICE_BRIGHTNESS`
 - Command: **Display Brightness**
 - **Set Level [0-100]**
- **Auto-Sleep Changed:** Monitors changes in auto-sleep settings.
 - Available on `unifi_connect_display.c4z`
 - Variable: `DEVICE_AUTO_SLEEP`
 - Command: **Auto-Sleep**
 - **Set State [Enable, Disable]**
- **Auto-Rotation Changed:** Detects screen rotation updates and allows rotation control.
 - Available on `unifi_connect_display.c4z`
 - Variable: `DEVICE_AUTO_ROTATION`
 - Command: **Auto-Rotation**
 - **Set State [Enable, Disable]**
- **Orientation Changed:** Detects screen rotation updates and allows rotation control.

Available on unifi_connect_cast.c4z

- Variable: `DEVICE_ORIENTATION`
- Command: **Orientation**
 - **Set Orientation [Landscape, Portrait, Landscape (flipped), Portait (flipped)]**
- **Display Mode Changed:** Responds to alterations in display mode with selectable options.
 - Variable: `DISPLAY_MODE`
 - Command: **Display Mode**
 - **Modes:**
 - **Web (unifi_connect_display.c4z)**
 - **Android App (unifi_connect_display.c4z)**
 - **Media**
 - **YouTube**
- **Web Mode:**
 - **Webpage Changed:** Detects URL changes with options to load new URLs or refresh the page.
 - Variable: `MODE_WEB__CURRENT_URL`
 - Commands: **Load URL, Auto-Reload, Reload Page**
- **App Mode Changed:** Responds to app usage changes with options to load or close apps.
 - Variable: `MODE_APP__CURRENT_APP`
 - Commands: **Load App, Close App**
- **Media Mode:**
 - **Content (Playlist) Changed:** Updates playlist content and allows playlist assignment.
 - Variable: `MODE_MEDIA__CURRENT_PLAYLIST`
 - Command: **Assign Content (Playlist)**
 - **Content (Layout) Changed:** Tracks layout content updates with layout assignment options.
 - Variable: `MODE_MEDIA__CURRENT_LAYOUT`
 - Command: **Assign Content (Layout)**
 - **Content Fit Changed:** Adjusts content fit settings.
 - Variable: `MODE_MEDIA__CONTENT_FIT`
 - Command: **Content Fit**
 - **Content Type Changed:** Allows setting and unsetting of custom content.
 - Variable: `MODE_MEDIA__CONTENT_TYPE`
 - Commands: **Assign Content (CustomId), Unassign Content**

YouTube Mode: Monitors YouTube URL changes with options to load or refresh video content.

- Variable: `MODE_YOUTUBE__CURRENT_URL`
- Commands: **Load URL, Reload Page**