

Philips Hue HDMI Sync Box for Control4

Driver Integration Guide

v101

Introduction

This driver has been designed to provide control of the Philips Hue HDMI Sync Box. It provides several proxies and a wide range of controls and methods of interaction. These include:

- AV Switch proxy to switch the HDMI input.
- UI Button to toggle sync state.
- Relay connection to toggle sync state.
- Button proxy connections to toggle sync state.
- UI Button to cycle sync mode.
- Button proxy connections to cycle sync mode.
- UI Button to cycle sync intensity.
- Button proxy connections to cycle sync intensity.
- Light proxy for controlling sync brightness.
- Range of custom commands, events, variables and conditionals.

The latest versions of drivers can always be found from the dealer area of our website at <https://www.janustechnology.co.uk>.

Driver Installation

Copy the files from the zip package to your Control4 driver location (by default this is Documents\Control4\Drivers). Open Composer and choose the Search tab from the Items pane.

Add 1 instance of the **Philips Hue HDMI Sync Box** driver to your project.

In the **Connections** page, enter the IP address of your device. This can be found in the Philips Hue app through the Sync menu, and pressing on *Settings -> Device -> Network info*.

Look at the Operational Mode property of the driver. When asked, press the button on your Sync Box for 3 seconds, until the LED blinks green.

Driver Configuration

Connections

AV Switch

The primary proxy for this driver is an AV Switch. The connections for this can be configured in Composer, in the **Connections** tab.

- Bind the *Audio/Video Inputs* connections to the HDMI sources in your project. These connections should match with the physical connections on the Hue HDMI Sync Box.
- Bind the *Audio/Video Outputs* connection to your output device driver (e.g. your TV / projector).
- Bind the *Room Control* connections to the room which contains your output device.

UI Button

This driver also provides 3 UI button proxies

- Sync State
- Sync Mode
- Sync Intensity

These can be placed within the *Watch* menu in Navigator, to give you full control of your Hue HDMI Sync Box without the need for any programming. Follow these steps to show a UI button in Navigator:

- In Composer, select the room you wish to show the UI button in.
- Select **Navigator**.
- Under **Experience Menus**, select **Watch**.
- Press the **Modify** button to the right of the screen.
- Find the UI button you wish to display under **Hidden Devices**, select it, and press the **<< Show** button to set it as visible within this room.
- Press **OK**, and refresh navigators.

Light

This driver include a light proxy for controlling the brightness of the sync. It features on, off, toggle and set level controls, along with being fully compatible with Advanced Lighting Scenes.

Setting this light proxy to 50% will show fully saturated colours, while > 50% will starts to mix in white to further boost the brightness.

Relay

A relay connection is available for toggling the sync state of the Hue HDMI Sync Box. You can bind this to any relay proxy in the **Connections** tab in Composer.

Button Links

Button Link connections are available for the following functionality:

- Toggle Sync State
- Cycle Sync Mode

- **Cycle Sync Intensity**

You can bind these to any keypad button proxy in the **Connections** tab in Composer.

Properties

Driver Status

- **Driver Version** - Reports the driver version number.
- **Operational Mode** - Reports the operational state of the driver.

Configuration

- **Poll Interval** - Specify the frequency at which the driver will poll the Hue HDMI Sync Box. A shorter poll time will lead to a more responsive integration.

Device Status

- **Firmware Version** - Reports the firmware version of the Hue HDMI Sync Box.
- **Active Source** - Reports the selected HDMI input source.
- **Sync Mode** - Reports the current state of the sync (activity, mode, intensity).
- **Sync Brightness** - Reports the sync brightness (0-200%). 100% is fully saturated, > 100% starts to mix white in.

DriverCentral Cloud Settings

- **Cloud Status** - Reports the status of the driver from the DriverCentral cloud.
- **Automatic Updates** - Choose whether you want to enable automatic updates for this driver.

Debug

- **Debug Mode** - Support use only.
- **Debug Subsystems** - Support use only.
- **Debug Level** - Support use only.

Actions

- **Toggle Sync State** - Toggle the state of the sync (active/inactive).

Programming

Events

- **Sync Active** - Fired when the sync state is active.
- **Sync Inactive** - Fired when the sync state is inactive.

Commands

- **Set Sync State** - Set the sync state to active or inactive.
- **Set Sync Mode** - Set the sync mode directly.
- **Cycle Sync Mode** - Cycle between the available sync modes.
- **Set Sync Intensity** - Set the sync intensity directly.
- **Cycle Sync Intensity** - Cycle between the available sync intensities.
- **Set Sync Brightness** - Set the sync brightness (0%-200%). 100% = Fully saturated colour, >100% starts to mix in white.

Variables

- **Sync State** - Boolean, representing whether the sync state is active.
- **Sync Mode** - Text, displaying the current sync mode.
- **Sync Intensity** - Text, displaying the current sync intensity.

Conditionals

- **Sync State** - Test whether the sync state is active.
- **Sync Mode** - Test whether the device is in a specific sync mode.
- **Sync Intensity** - Test whether the device is in a specific sync intensity.

FAQ

What happens when I press the UI buttons?

When you press the **Sync State** UI button, the sync state of the Hue HDMI Sync Box will be toggled between Active and Inactive.

When you press the **Sync Mode** UI button, the Hue HDMI Sync Box will cycle through the available sync modes (Video, Music, Game). If the sync is not active, pressing **Sync Mode** will first activate the sync.

When you press the **Sync Intensity** UI button, the Hue HDMI Sync Box will cycle through the available sync intensities (Subtle, Moderate, High, Intense). If the sync is not active, pressing **Sync Intensity** will first activate the sync.

Troubleshooting

If you encounter any issues with the driver, please contact us at <https://support.janustechology.co.uk>, and we will be happy to assist however needed.