Reolink Spotlight Driver

Version: 20260728
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Overview

The Reolink Spotlight Driver provides Control4 light control for Reolink camera spotlights (WhiteLed). This driver appears as a standard light in Control4, allowing you to control camera spotlights through lighting scenes, schedules, and programming.

This is a companion driver that **binds to the Reolink Camera Driver** - it does not communicate directly with the camera. All camera credentials and API communication are handled by the camera driver.

Requirements

- Reolink Camera Driver (included in package)
- Reolink camera with spotlight/WhiteLed support
- Control4 OS 3.0.0 or later

Supported Cameras

Any Reolink camera with spotlight/WhiteLed capability, including:

- Reolink Duo series
- Reolink TrackMix series
- Reolink Argus series with spotlight
- Reolink RLC-81xWA series
- Other models with WhiteLed API support

Installation

Step 1: Install Both Drivers

1. Add the **Reolink Camera Driver** to your project (if not already installed)
2. Add the **Reolink Spotlight Driver** to your project

Step 2: Configure Camera Driver

1. Configure the camera driver with your camera's IP address, username, and password
2. Verify the camera is online and working

Step 3: Create Binding

1. Go to the **Connections** tab in Composer
2. Find the Spotlight driver's **Camera Spotlight Control** connection
3. Bind it to the Camera driver's **Spotlight Control** connection

> **Note:** The Driver Status property will show "Not Connected" until the binding is created. Once bound, it will show "Connected".

Step 4: Add to Room

1. Add the spotlight to the appropriate room
2. The spotlight will appear in the Lighting section of the Control4 app

Properties

Property	Type	Description
Driver Version	Read-only	Current driver version
Driver Status	Read-only	Binding state: Not Connected or Connected
Memory Usage	Read-only	Current Lua VM memory usage in MB
Log Level	List	Logging verbosity (0-Fatal to 5-Trace)
Log Mode	List	Where to output logs (Off, Print, Log, Print and Log)

Actions

Action	Description
Turn On	Turns the spotlight on at full brightness
Turn Off	Turns the spotlight off
Query State	Queries the current spotlight state from the camera

Programming

The spotlight appears as a standard light in Control4 programming. You can:

- Turn on/off in lighting scenes
- Use in conditional logic (if light is on/off)
- Schedule on/off times
- Trigger from motion events (e.g., turn on spotlight when person detected)

Example: Motion-Activated Spotlight

```
When: Camera - Person Detected
Then: Spotlight - Turn On
      Wait 30 seconds
      Spotlight - Turn Off
```

Troubleshooting

Status shows "Not Connected"

- Verify the binding between spotlight and camera drivers is created
- Check that the camera driver is online
- Ensure the camera supports WhiteLed (spotlight)

Spotlight doesn't turn on/off

- Check camera driver logs for WhiteLed API errors
- Verify camera credentials are correct
- Some cameras require spotlight to be enabled in camera settings first

Viewing Logs

1. Set **Log Level** to "4 - Debug" or "5 - Trace"
2. Set **Log Mode** to "Print" or "Print and Log"
3. View output in Composer's Lua tab

Version History

Version 20260728

- Improved handling of diagnostic information

Version 20260628

- Improved authorization handling

Version 20260416

- Initial release

Diagnostics and telemetry. This driver periodically reports basic diagnostic information to McGlothlin Inc to monitor product reliability and assist with support: a unique controller identifier, the driver name and version, the controller operating system version, driver memory usage, uptime, and error counts, together with diagnostic error details. No video, images, audio, recorded media, or camera credentials are transmitted.