

Battery Detection+ Setup Instructions

Installation:

1. Download and Install the driver into your Control4 Drivers folder
2. In System Design Search for Battery Detection+ - load into the room you want it in
3. Default name is Battery Level - change to whatever you want

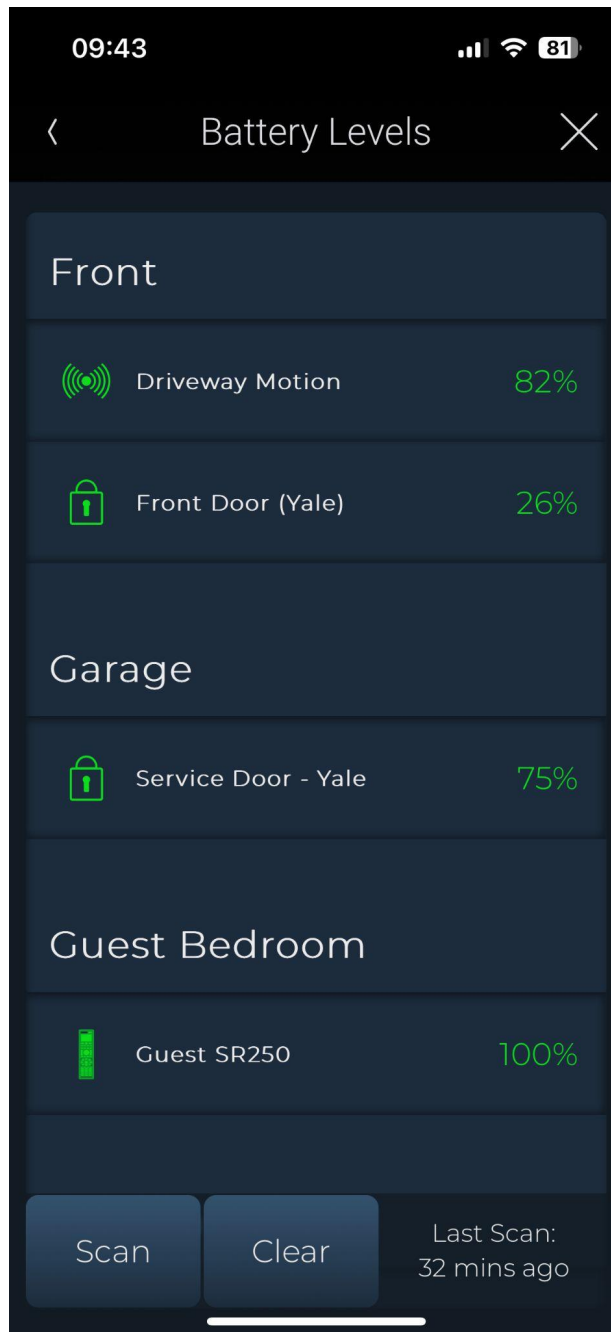
Setup:

1. The driver automatically scans your project for battery devices.
 - a. If any are missing please let us know so we can add them to our driver
2. Set the "Battery Check In" Time:
 - a. Choose from Morning, Afternoon, or Evening
 - b. This setting defines when the driver communicates with battery devices and sends low battery notifications
3. Set the "Min Readings Before Alert"
 - a. Determines how many consecutive failures are required before a notification is triggered
4. Configure "Low Level Thresholds":
 - a. Set for Number, Voltage, and String values
 - b. We recommend using the default values, though these can be adjusted
5. Choose A "Custom Icon Set":
 - a. Select from Style A, B, or C
 - b. Icons will display green for normal levels and trigger an alert stage when thresholds are breached

The screenshot displays the configuration interface for the Battery Detection+ driver, organized into several sections:

- Icon/Button Configuration:** Includes a "Custom Icon Set" dropdown menu currently set to "Style C".
- Battery Monitoring Configuration:**
 - Device List:** Shows a list of detected devices: "Jamie's Sink (1748), Kitchen Sink (1746), Bar Sump Pump (1718), Hall". A "Select" button is present.
 - Battery Check In:** A dropdown menu set to "Morning". Below it, a text field explains: "The time of day the battery scan/alert will happen."
 - Min Readings Before Alert:** A numeric input field set to "2". Below it, a text field explains: "Amount of time a device must report a low level before alert will happen."
- Battery Low Level Thresholds:**
 - Low Level (number):** A numeric input field set to "30". Below it, a text field explains: "Devices that use a percentage level (0-100%)."
 - Low Level (voltage):** A dropdown menu set to "1.6". Below it, a text field explains: "Devices that use a voltage level (0.0-5.0v)."
 - Low Level (string):** A text input field containing the string "offline_replace_low_unknown_critical_warning_failure is imminent_check batteries". Below it, a text field explains: "Devices that use a string/word for level."

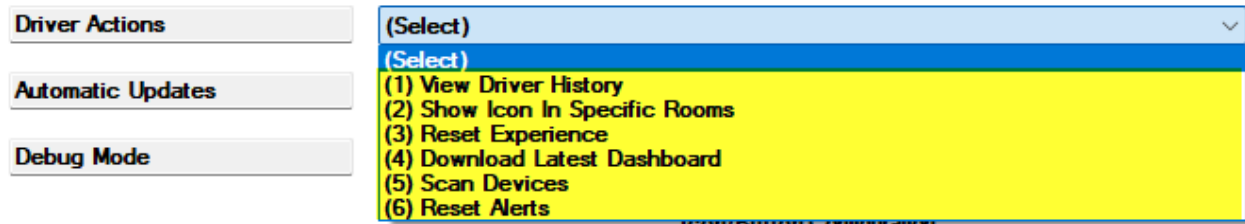
6. Launch the built in Battery Detection+ Web UI:
 - a. View current battery levels across all supported devices



Advanced Settings:

1. Integration Control - Enable or Disable driver from blocking commands/notifications

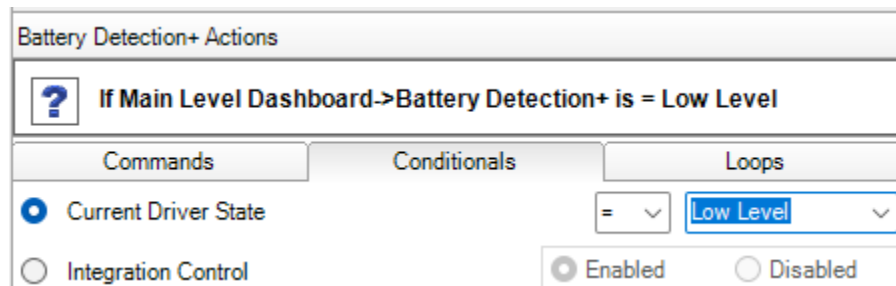
Driver Actions:



1. **View Driver History:**
 - a. Displays all device battery levels from the last check-in and any battery reports
2. **Show Icon In Specific Rooms:**
 - a. Choose the rooms where the Battery Detection+ icon will appear
 - b. After selecting, "**Refresh Navigators**" to apply changes
 - c. The icon will reside under the **Security** section
3. **Reset Experience:**
 - a. Resets the driver and UI
4. **Download Latest Dashboard:**
 - a. Fetches the newest version of the Battery Detection+ Web UI dashboard
5. **Scan Devices:**
 - a. Manually trigger a device scan for testing or verification
6. **Reset Alerts:**
 - a. Clears existing alert states

Programming Options:

1. **Programmable Events:**
 - a. **Low Level Detected** and **All Battery Levels Normal**
2. **Action Commands Include:**
 - a. **Set Integration Control** - Enable or Disable
3. **Action Conditionals Include:**





Smart Notifications:

1. Smart Notifications:

- Enable or disable Smart Notifications within the Integrator Tools module

Cindev Integrator Tools	
Configure	(6) Driver Notifications
Status	Apr 14 10:22:17: Event (1783/CLOSED) has triggered - Front Door is Closed
Driver	Battery Detection+ - Battery Detection+ (1886)
Event	(1) Low Battery
Driver Notification Automation	
Event Message	Attention! Potential Low Battery Found From [DEVICES_IN_ALERT].
Push Alert	Yes
Email Owner	No
Email Integrator	Yes
Email Manager	No
Email Other	No
Voice Alert	Yes
Navigator Popup	No