

# Shelly IoT for Control4



Shelly

## Release Notes

**Creator:** Janus Technology

**Version:** v108

## Introduction

The Shelly IoT driver suite gives you control of the range of energy monitoring devices, optimised for use with BMS Monitor.

The Discovery driver automatically handles discovery of any Shelly energy monitoring devices on your network, giving you a selection of available devices for each device driver.

## Quick Start Guide

1. Copy the .c4z files from the zip package to your Control4 driver folder location (e.g. My Documents\Control4\Drivers) and then open Composer.
  2. Add 1 instance of the Shelly IoT Discovery driver. This will scan your network for any Shelly devices.
  3. Add the energy meter device drivers to your project as necessary, and choose the controlled device in the property *Shelly Device*.
  4. Refresh navigators to reveal the new Shelly drivers on your Control4 UI.
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# Discovery Driver Configuration

The Shelly IoT Discovery driver simplifies the process of adding your Shelly devices to your Control4 project. It automatically scans the local network for Shelly devices, forwarding the discovered devices to your device drivers, allows you to simply choose from a list which Shelly device you wish to control.

## Properties

### Status

- **Driver Version** - Reports the current version of the driver.
- **Operational Mode** - Reports the current operational mode of the driver.

### 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

- For support use only

## Actions

- **Start Discovery** - Triggers a new discovery scan for Shelly devices on the local network. This happens automatically on startup, but can be useful if Shelly configuration has changed on runtime.
  - **Display Devices** - Displays all discovered Shelly devices in the Lua Output window.
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# Energy Meter Driver Configuration

The Shelly IoT Energy Meter driver allows you to monitor the status and history, as well as the current and past electrical power consumption for your site.

It displays current usage data directly in its properties, but also boasts full compatibility with BMS Monitor - a Control4-based solution for monitoring not only electricity usage and consumption, but also

HVAC data, water usage and much more! Find out more about BMS Monitor [here](#).

## Properties

### Status

- **Driver Version** - Reports the current version of the driver.
- **Operational Mode** - Reports the current operational mode of the driver.

### 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.

### Configuration

- **Connection Type** - You can select from a list of discovered devices, or enter an IP address of the unit.
- **Shelly Device** - Choose the Shelly device you wish to control with this property. This list is populated by the devices discovered from the *Shelly Discovery* driver.
- **Device Name** - Reports the current readable name for the Shelly device. You can change this name simply by modifying the text in this property.
- **IP Address** - Reports the IP address of the connected device.
- **Device Username** - Enter the username (if required) to allow control of the device.
- **Device Password** - Enter the password (if required) to allow control of the device.

### Meter Feedback

- **Power (x)** - Reports the current power usage (W) for the numbered energy meter.
- **Consumption (x)** - Reports the total energy consumption (Wh) for the numbered energy meter.

### Temperature Feedback

- **Temperature (x)** - Reports the current temperature (C) for the numbered sensor.

### Debug

- For support use only

## Actions

- **Display Devices** - Displays information related to discovered Shelly devices in the Lua Output window.

## Variables

The following device variables are available through the **Programming** view in Composer.

- **CURRENT\_VALUE\_x** - Holds the current power usage for the numbered energy meter (number).
  - **CURRENT\_VALUE\_x\_UNITS** - Holds the power units for the numbered energy meter (text).  
Currently, this will only display *W*.
  - **TOTAL\_CONSUMPTION\_x** - Holds the total consumption for the numbered energy meter (number).
  - **TOTAL\_CONSUMPTION\_x\_UNITS** - Holds the consumption units for the numbered energy meter (text). Currently, this will only display *Wh*.
  - **TEMPERATURE\_C\_x** - Holds the current temperature for the numbered sensor (number).
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## FAQ

### Where can I purchase Shelly products?

Shop the Shelly range at <https://shop.shelly.cloud/>

### What Shelly products are supported?

- Shelly 1PM
- Shelly EM
- Shelly 3EM
- Shelly Pro1PM
- Shelly Pro2PM
- Shelly Pro4PM
- Shelly ProEM
- Shelly Pro3EM

### How do I get my Shelly licence after purchasing BMS Monitor?

Once you have applied the BMS Monitor license to your project, the Shelly suite will automatically be activated.

## Troubleshooting

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