

- **Sunset/Sunrise:** The Shelly device may turn on/off (or do specified action) automatically at sunrise/sunset, or at a specified time before or after sunrise/sunset. Click the up/down button, or type in a number, to set a time in hours and minutes.

To create an **advanced** schedule:

The advanced schedule function uses **cron** to execute jobs with a single schedule, instead of using a few basic schedules.

Creating an advanced schedule differs from creating a basic schedule, because of the *When to execute* menu.

It prompts you to select one or multiple values, a range of values, or a step between values (Choose one of the three by clicking on the *Select*, *Range*, or *Step* button for each value) for:

- Seconds (0-59)
- Minutes (0-59)
- Hours (0-23)
- Days (1-31)
- Months (JAN-DEC)
- Weekdays (SUN-SAT)

To create a schedule that happens every second/minute/hour/day/month/weekday, simply tick the box below the values in the desired section (seconds, minutes, hours, days, months, or weekdays). Additionally, you can use the sunrise/sunset offset by ticking the box next to this option. Doing so will bring up a new menu with hours and minutes. Leaving the hours and minutes and selecting either sunrise or sunset will make the schedule occur exactly at sunrise or sunset. Changing the hours and minutes values will create an offset, so entering negative values will make the schedule occur exactly [set hours and/or minutes] before sunrise/sunset while entering positive values will make the schedule occur [set hours and/or minutes] after sunrise/sunset. You cannot enter a positive value for one (hours/minutes) and a negative value for the other.

After that, simply specify the action you want your device to perform in the *Actions* section. Click *Save* once you're done to save the new schedule.

In the Schedules menu, you can view all of your schedules. You can choose to view each one with basic or advanced time. Basic time shows the time and days that the schedule happens, while

advanced time shows text in the Schedule card that tells you to click it for more information. Both views display actions above. If there are more than three actions, they are displayed as +n where n is the remaining number of actions that is not displayed. To turn a schedule on/off, use the toggle button on the right.

## Timers

Allows you to manage the power supply automatically. You may use:

- **Auto on:** After turning off, the relay output will be automatically turned on after a predefined period of time (in seconds).
- **Auto off:** After turning on, the relay output will be automatically turned off after a predefined period of time (in seconds).

## Input settings

### Name

Name/rename the input.

### Enable

Enable/disable the input by checking/unchecking the box.

## Input/output settings

### Select input mode:

- **Button** - every button press toggles the state of the device output.
- **Switch** - the position of the switch corresponds to the state of the device output.
- **Analog** (not present as an option in all devices)- using the Analog input, the device determines its brightness percentage based on the percentage of the input.

### Set output type:

- **Toggle Switch (Switch only)** - The device will act as a flip switch with one state for *ON* and one for *OFF*. If the Input is in Analog mode, the device will follow the analog input's state.
- **Momentary Switch (Button only)** - Every push of the button toggles the state of the device output. If your switch is *ON*, it will turn *OFF*, and vice versa.
- **Edge Switch (Switch only)** - Each change of the switch's position toggles the state of the device output.
- **Detached Switch** - The input becomes detached (separated) from the output and doesn't have an effect on it. Essentially, you won't be able to control your light through the input.

### Action on power on:

This setting is usually used when a power outage occurs and "power on" refers to when the electricity is restored and the device is powered again.

- **Turn ON** - When powered, the device will turn on.
- **Turn OFF** - When powered, the device will be off.
- **Restore last known state of output/relay** - When powered, the output's state will be as it was the last time the device was ON (before the power loss).
- **Current state of the switch (Toggle Switch only)** - Follows the state of the switch, so if it's flipped to *ON*, the device will turn on and the same applies when the switch is flipped to *OFF*.

### Invert

This setting allows you to invert the logic of the input signal, effectively reversing the behavior of the device. By default, when the input signal is *ON*, the device responds by turning ON. When the input signal is *OFF*, the device turns OFF.

However, if you enable the "Invert Input" setting, the opposite will occur. When the input signal is *ON*, the device will turn OFF, and when the input signal is *OFF*, the device will turn ON. This setting can be useful in situations where the device's behavior needs to be reversed.

### Factory reset

Enabling this setting will allow you to factory reset the device from its input and not only through the app or web interface.