

Smart LED Light Bulb

PRODUCT GUIDE

OVERVIEW

The GoControl Smart LED Light Bulb provides longer life and more energy efficiency than incandescent or florescent light bulbs. The bulb is instant on, without the warm-up delay common in CFL bulbs.

As part of the Z-Wave network, the Smart LED Light Bulb can communicate with hundreds of other Z-Wave devices allowing a complete integrated wireless network with nearly limitless expansion and interoperability with security, energy management, home entertainment, appliances, and more.



DEVICE BENEFITS

- Longer life than incandescent or florescent light bulbs
- More energy efficient
- Z-wave feature creates an integrated wireless network
- Convenient accessibility and control through the Alarm.com app
- Set up light schedules convenient to your life

DEVICE FEATURES

- Z-Wave Plus Certified
- Control such as ON/OFF/BRIGHT/DIM done through the Z-Wave remote controller or your Alarm.com Customer Portal or app.

REQUIREMENTS

Z-Wave Network

Compatible Z-Wave light devices or appliance modules.

Mobile App

Download the latest Alarm.com Mobile App for iOS or Android (version 4. 4. 1).

Service Plan

A service package that includes the Lights add-on. Additional monthly costs may apply.

BASIC OPERATIONS

Remote Control Operation

The Smart LED Light Bulb can be controlled **ON/OFF/BRIGHT/DIM** through wireless signals from the Z-Wave remote controller or through a gateway via an application on a smart phone, tablet, or PC.

Once the Smart LED Light Bulb has been added to the network, depending on the functions supported by your controller, it can be assigned to a Group or Scene and operate when the **ALL ON** or **ALL OFF** command is received from the Controller. It can also be set in Association with another Z-Wave device to perform a specific duty.

Manual Operation

The Smart LED Light Bulb can be manually operated using the wall switch while keeping it on-line with the Z-Wave network.

To manually turn the Smart LED Light Bulb ON:	To manually turn the Smart LED Light Bulb OFF:
Flip the wall switch OFF then ON. Be sure the switch is ON when finished.	Flip the wall switch OFF then On twice within two seconds. Be sure the switch is ON when finished.

Z-WAVE PLUS FEATURES

The Smart LED Light Bulb contains a Z-Wave 500 Series Module that supports Z-Wave Plus features. A Z-Wave certified portable or stationary controller can communicate with the Z-Wave 500 Series Module. Depending on the capability of the controller or gateway software, the following operations can be performed with the Smart LED Light Bulb.

- Turn the bulb ON and OFF.
- Dim the bulb.
- Add or Remove the Smart LED Light Bulb.
- Assign the Smart LED Light Bulb to a specific Group/Scene and/or to include the bulb as part of ALL ON or ALL OFF system commands.
- Over-the-air firmware update by the gateway or static controller.
- Lifeline function which automatically notifies the associated modules and the network that a manually reset device is no longer in the network, thus, the corresponding association becomes invalid.

TO RESET UNIT (IF REQUIRED)

In the event that your primary controller is lost or otherwise inoperable, to reset the bulb and clear all network information, follow these steps:

1. Use the wall switch to turn the power to the bulb **OFF** then **ON** four times within four seconds.
2. The Smart LED Light Bulb will flash twice when the reset occurs.

Before repeating the steps above, try moving the Smart LED Light Bulb to a socket in the same room as the Controller/Gateway in case the preferred socket is out of range initially.

Repeat Steps 1-3 above until the Smart LED Light Bulb is added to the network. Once the bulb has been successfully added to the network, move it to the preferred location.

REMOVING FROM A NETWORK

The Smart LED Light Bulb can be removed from the network by the **Controller/Gateway**.

1. Set the Controller into **Removal Mode**, and follow its instruction to delete the Smart LED Light Bulb from the Controller.
2. Reset the bulb by using the wall switch to turn the power to the bulb ON. The Smart LED Light Bulb will flash twice to confirm the removal.

The event-triggered rules are triggered by alarms, arming/disarming activity, sensor activity, camera activity, or when a user's Geo-Device crosses a Geo-Fence to either turn on, turn off, or dim lights (if applicable).

To create an event-triggered rule:

1. Log into your Customer Portal.
2. Click **Automation**.
3. In Rules, click **+ Add New Rule**.
4. Click **Event-triggered Rule**.
5. Configure the rule as desired.
6. Click **Save**.

In the following event-triggered rule example, the selected Z-Wave light is turned on every time the Doorbell Camera detects motion.

The screenshot shows a configuration form for an event-triggered rule. The form is titled "Name of rule:" and contains the following fields and options:

- Name of rule:** A text input field containing "Turn lights on when DB detects motion".
- Automate My:** Radio buttons for "Lights" (selected) and "Garage Door".
- When this event occurs:** Radio buttons for "Alarm", "Arm/Disarm", "Sensor Activity", "Garage Door", "People cross a Geo-Fence", and "Doorbell Camera" (selected). Below this, there are two dropdown menus: "tntbell" and "Detects Motion".
- Perform this action:** A dropdown menu set to "Turn ON", followed by the text "selected devices for", a dropdown menu set to "1 minute", and the text "before turning OFF".
- Select Devices:** A table with one row: "light2" in the first column, "default" in the second column, and a checkmark in the third column.
- During these time frames:** Radio buttons for "At All Times" (selected) and "Only During the Following Times".
- Buttons:** "CANCEL" and "SAVE" buttons at the bottom right.

The scheduled automation allows users to create scheduled actions to turn on, turn off, or dim (if applicable) Z-Wave lights at specific timeframes.

Note: If a Z-Wave light dimmer has a schedule programmed to simply turn the device on, the light turns on at the most recently used dimming level.

To create an automation schedule:

1. Log into your Customer Portal.
2. Click **Automation**.
3. Click **Schedules**.
4. Click **+ Add New Schedule**.
5. Click **Light Schedule (if applicable)**.
6. Configure the rule as desired.

Note: The *Away from Home* option cannot be enabled if the rule is scheduled to perform actions at sunrise or sunset.

7. Click **Save**.

In the following example, the selected Z-Wave light is turned off at 10:30 pm from Monday to Friday.

Name of rule:

Weekday lights out/lights on

Select Devices

Evolve LPM-15 Appliance Module	default	✓
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On these days:

SUN

MON

TUE

WED

THU

FRI

SAT

Perform these scheduled actions:

First: Turn OFF ▾ based on: Time of day Sunrise Sunset

at 10 ▾ : 30 ▾ AM PM

Then: Leave OFF ▾

Away from Home option

Make times approximate (give/take about 45 min.)

CANCEL
SAVE

What Alarm.com features are available with Z-Wave lights?

With Z-Wave lights on Alarm.com, users can:

- Send commands to turn lights on/off and set dimming level (if applicable) using the your Customer Portal or app.
- Create scenes that include turning lights on/off or setting the dim level (if applicable).
- Create automated light schedules to have specific lights turn on, off, or dim (if applicable) at certain times, including sunrise and sunset, for specified lengths of time.
- Create rules so a specific light turns on if a certain sensor is activated.
- Create event-triggered light rules based on arming/disarming and system activity, and also set up custom automation rules.

All of these features can also be used to turn on/off other devices that are plugged into a Z-Wave appliance module or Z-Wave-enabled power outlet.

Why do some LED light bulbs flicker?

Unlike incandescent bulbs, LEDs require a specific amount of energy to turn on, known as the activation level. LED light bulbs may flicker due to a relatively high LED activation level.

When an LED is receiving just under the activation level of energy, it will flicker. Lower cost LEDs have a higher activation level, so combining this with the minimum amount of power provided by certain dimmer switches causes the flicker.