

## Wall Switch

Model WE-001

### 1. INTRODUCTION

Thank you for your purchase of a SkylinkHome™ receiver, Wall Switch, Model WE-001. Simply replace your existing wall switch with this Wall Switch, you can then wirelessly turn on and off lights or appliances, etc with a SkylinkHome™ transmitter.

The Wall Switch WE-001 can communicate with up to 8 transmitters, so user has the option to add more transmitters to the system, such as more remote controls, or motion sensors etc.

All wireless signal communications within the SkylinkHome™ System are based on rolling code technology to ensure highest security is used.

The following items are included in this package:

- Wall Switch
- Wire nuts
- User's Instructions



### 2. SETUP

Setup of the Wall Switch is simple. Simply replace your existing wall switch by the Wall Switch.

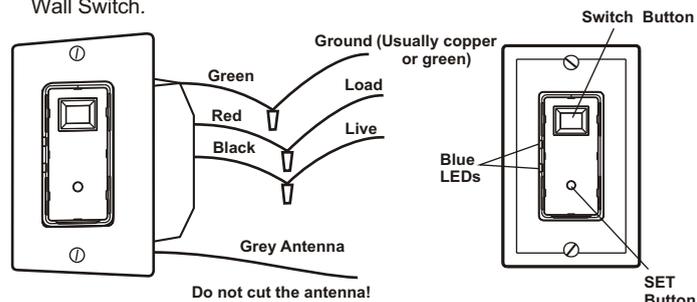
**CAUTION** Installation is required and enclosed instructions must be followed carefully to all steps and notes. If you are uncertain or uncomfortable performing this installation, please consult a qualified electrician. This manual should also be retained for future reference.

1. Turn off power to the circuit that you plan on installing the Wall Switch to at the circuit breaker.

**WARNING** Failure to turn off power at the circuit breaker can result in electrical shock causing severe or fatal injury.

Note:  
The Wall Switch is designed to operate maximum load of 1000W at 120VAC.

2. Follow the diagrams below to install the Wall Switch with the 2 wires: Live, Load. Use the provided wire nuts to connect these wires respectively to the existing wires from the wall : Load (red) to load and Live (Black) to live. Ground (Green) to Ground.
3. After all the wires are connected, ensure that all of the wire connectors are attached securely and there should be no exposed copper wiring. Secure the Wall Switch with the provided screws.
4. Turn the circuit breaker back on. The two blue LEDs will be on.  
Note: If the 2 blue LEDs remain off, please check and ensure the light bulb is installed and in good condition.
5. The status of the load connected will be off. The Wall Switch is now installed and you can begin programming to learn transmitters into the Wall Switch.



**Note:**  
Antenna ( grey wire) -- Do not cut it, keep it as straight as possible. Put the antenna directly into the dry wall or through a hole of the metal box into the dry wall to get more control distance with a remote.

### 3. PROGRAMMING TRANSMITTERS SENSORS

In order to operate the Wall Switch remotely with a transmitter or sensor, it must be programmed to the Wall Switch. Each module can be operated by up to 8 different transmitters (or 8 different command signals).

There are 2 operating modes with the Wall Switch :

- 1) On/Off Mode - When a valid signal is received, it will turn on or off the load
- 2) Countdown Timer Mode - When a valid signal is received, the load will be on for a specific period of time, 1 minute, 5 minutes, 15 minutes, 30 minutes, or 60 minutes. This is mainly for energy saving.

You can program multiple transmitters / sensors to the module and different transmitter / sensor can activate a different mode.

**To program a transmitter into the Wall Switch, follow the instructions below:**

Before you program a transmitter to the Wall Switch, decide the operating mode for this transmitter (On/Off Mode, or Countdown Timer Mode).

1. Wall Switch must be installed and powered properly. Push the switch button on the Wall Switch. The connected load should be on, and the 2 blue LEDs are off.
2. Press and hold the "SET" button for about 3 seconds, the upper blue LED flashes quickly, meaning it is in On/Off Mode programming sequence. Release the "SET" button if you are programming a transmitter to operate in On/Off Mode.
3. If you are programming a transmitter to operate in Countdown Timer Mode, continue to hold the "SET" button for about 10 seconds, until the upper blue LED is on steadily on, then release the "SET" button.

Operating Mode	Upper LED Indication
On / Off	Flashes quickly
Countdown Timer	Steadily On

4. Transmit a "Learn" code from the transmitter. Refer to the manual of the transmitter to transmit this "Learn" code.
5. Once the transmitter is programmed, the both blue LEDs flash quickly then stops flashing. You have successfully programmed the transmitter.

Note: You must complete the programming sequence within the 15-second interval, otherwise, the Wall Switch will quit from programming mode and you need to start again from step 1 if the blue LED is off.

### 4. SET TIMER DURATION

This section is for transmitters that are programmed for Countdown Timer Mode.

The timer for Countdown Timer Mode can be set to the following duration, meaning the light will stay on for the following time: 1 minute, 5 minutes, 15 minutes, 30 minutes, or 60 minutes. Only one timer interval can be set. To set the timer duration, follow the instructions below.

1. Wall Switch must be installed and powered properly. The connected load should be off, and the 2 blue LEDs are on. The load must be off in order to set the timer duration.
2. Press and hold the SET button for 3 seconds, the lower blue LED flashes once. The number of flashes indicates the timer duration:

Number of Flashes	Timer Duration
1	1 min.
2	5 min.
3	15 min.
4	30 min.
5	60 min.

3. Continue to hold the SET button until it reaches the desired setting. The status will change every 6 seconds, i.e. hold the SET button for another 6 seconds, you will see the number of flashes changes from 1 to 2, 2 to 3, etc.

#### 4. SET TIMER DURATION (CONT)

Note: Once the number of flashes reaches 5, it will stay at this setting. If you would like to go back to other settings, such as 1 minute, release the button and repeat from step 1 to start over.

Once a transmitter (button) is programmed for timer mode, activating this programmed transmitter (button) will turn on the load for the specified timer duration.

During a timer count down, if the Wall Switch receives another signal for timer operation, the timer will start again and overrides the previous timer, therefore, extending the On period by another timer interval.

To stop timer count down, press a programmed button for On/Off mode, or press the switch button on the Wall Switch.

#### 5. ON / OFF OPERATION

##### Use the Wall Switch

To turn on / off the load, simply push the button of the wall switch once, it will toggle the status of the light, i.e. from on to off or from off to on.

##### Use a Transmitter

When the programmed button of a transmitter is activated, it will transmit a signal to toggle the status of the load. For example, if a toggle signal is received when the light is off, that signal will turn on the light.

Refer to the user's instructions of the transmitter for more detailed instructions for dimming operation, as well as other operations such as Zone On / Zone Off, All On / All Off etc.

Note: If the 2 blue LEDs are off when the loading is off, please check and ensure the light bulb is installed and in good condition.

#### 6. COUNTDOWN TIMER OPERATING MODE

If a Countdown Timer Mode transmitter or sensor is activated, the light connected to the Wall Switch will be on for the predetermined time interval. During the timer count down, the upper blue LED on the Wall Switch will be on steadily, the lower blue LED will start to flash during the last minute of the countdown timer. Activating a programmed transmitter or sensor under Regular Mode during timer interval can override the countdown timer operation.

#### 7. ERASING TRANSMITTERS FROM WALL SWITCH

1. Push the Switch Button on the Wall Switch. The connected load will be on, and the 2 blue LEDs are off.
2. Transmit a "Erase" code from the transmitter until step 5. Refer to the user's instructions of the transmitter on how to transmit a "Erase" code.
3. Press and hold the "SET" button on the Wall Switch about 3 seconds, until the upper blue LED flashes.
4. Release the "SET" button.
5. You may stop the "Erase" code signal transmission. You have successfully erased all the devices from the Wall Switch.

#### 8. TECHNICAL SPECIFICATIONS

Input Voltage: 120V AC, 60Hz  
Standby Current: 0.2mA  
Minimum Load: 10W  
Maximum Ballast Load: 500W  
Maximum Tungsten Load: 600W  
Maximum Resistive Load: 1000W  
Operating Frequency: 318MHz  
Operational Temperature: -4°F - 140°F (-20°C - 60°C)  
Humidity: 5%-95%  
Range: Up to 500 feet in open area

#### 9. FCC

The device is approved by the FCC and it complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions :

1. This device may not cause harmful interference.
2. This device must accept any interference that may cause undesired operation.

##### WARNING:

Changes or modifications to this unit not expressly approved by the party responsible of compliance could void the user's authority to operate the equipment.

#### 10. WARRANTY

If, within one year from date of purchase, this product should become defective (except battery), due to faulty workmanship or materials, it will be repaired or replaced, without charge. Proof of purchase and a Return Authorization are required.

#### 11. CUSTOMER SERVICE

If you would like to

- find out the up-to-date specifications
- know more about features and applications
- download documents, i.e. user's instructions
- order Skylink products

or if you have difficulty getting products to work, please:

1. visit our FAQ section at [www.skylinkhome.com](http://www.skylinkhome.com), or
2. email us at [support@skylinkhome.com](mailto:support@skylinkhome.com), or
3. call our toll free at 1-800-304-1187 from Monday to Friday, 9 am to 5 pm EST. Fax (800) 286-1320

#### 12. ACCESSORIES

The SkylinkHome™ System consists of many other devices such as SkylinkHome™ Remotes, Motion Sensor, ON/OFF Wall Switch, Wall Dimmer, Plug-In Dimmer with or without Repeater, Plug-In ON/OFF Control (Outdoor/Indoor), Screw-In Dimmer, ON/OFF/Dimming Control, ON/OFF Control, Smart Button™ Garage Door Control, etc. Please visit Skylink website at [www.skylinkhome.com](http://www.skylinkhome.com) for more information.



#### CUSTOMER SERVICE

17 Sheard Avenue, Brampton, Ontario, Canada L6Y 1J3

Email: [support@skylinkhome.com](mailto:support@skylinkhome.com)

<http://www.skylinkhome.com>

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Patent Pending

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