

Operating Instructions

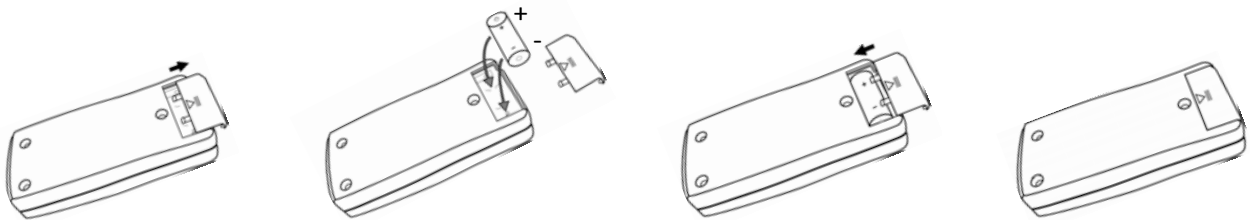
16 Function LED C9 Lights with Remote

What's next

- Read enclosed Safety Instruction Sheet before starting.
- Remove the lights, remote control and battery from the packaging and follow the instructions below.


Remote Control Battery Installation

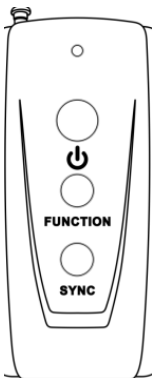
1. Remove the remote control and battery from the plastic bag.
2. Open the battery cover on the back of the remote by sliding the cover towards the bottom of the remote
3. Clean the battery contacts and also those of the device prior to battery installation.
4. Use only same type 23A, 12V Alkaline battery for replacement, use of other batteries may damage remote.
5. Insert negative (-) end of the battery (see marking on battery) into the spring side of the battery holder and insert positive (+) end of the battery into other side.
6. Close battery cover by sliding back into place.



Remote Control Operation

The remote has three buttons on the front side to operate the 16 Function remote controlled set:

- a. **POWER** –  – This is the larger button at the top. Press to turn the lights OFF. Press again to turn the lights ON. **Note:** Even when the lights are off, the set still has power to all lamps, to disconnect power, you must unplug the set.
- b. **FUNCTION** – This is a smaller button in the middle. Press to change the light pattern to the next function mode. In addition to the list below, the light patterns are also listed on the back side of the remote. After reaching function 16, the set will return to Function 1 by pressing the function button again. For best results, pause for a few seconds before pushing the "FUNCTION" button again for the next function.
- c. **SYNC** – This is a smaller button located on the bottom of the remote. This button is used if you have multiple sets of the Philips 16 function lights with remote control. This button allows you to synchronize all your sets to the same function by pressing the button as long as all light sets are illuminated (sets do not have to be connected to the same outlet, they only need to be within range of the remote).



TIP – If you want to return the set (or sets if you have more than one) back to Function 1 (steady on white) at any time, just push both the "FUNCTION" and "SYNC" buttons at the same time for about 2 seconds until the set returns to steady white color. This resets the unit back to Function 1 so you can start over and in case you are not sure which function you are on.

Light Set Functions

The light set when used in conjunction with the remote control has 16 different lighting patterns and functions. To change the functions and patterns of the light set you must use the remote control, so it is important to keep it in a safe place.

The remote will work through most windows and walls, and does not require a line of sight between the remote and light string, so you can comfortably use the remote inside your home to change your lights if used outdoors.

Light Set Functions and Patterns

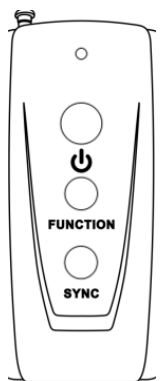
- | | |
|--|---|
| 1. Steady On – White | 9. Chasing – White through Multi |
| 2. Steady On – Multi | 10. Chasing – Multi through White |
| 3. Steady On – Blue | 11. Twinkling – White |
| 4. Chasing Multi | 12. Twinkling – Multi |
| 5. Chasing Multi Pattern | 13. Fade In/Out – Fades between solid colors |
| 6. Bi-directional Chasing Red and White | 14. Fade In/Out – White to Multi |
| 7. Bi-directional Chasing Blue and White | 15. Fade In/Out – Orange to Purple (great for Halloween decorating) |
| 8. Bi-directional Chasing Multi | 16. Automatic – Cycles through functions 4 - 15 |

The light sets have a memory of the last function they were used in. Each time you turn them off (by using the remote or by disconnecting power to the set) they will turn on in the same function they were turned off at.

NOTE – If product is turned off with a remote, and then it is attempted to turn them on by plugging in or turning on a wall switch, the lights will not come on as it will remember the last function that it was turned off at, including if the remote was used to turn the set off. In this case, after applying power to the set, turn the lights on using the power button on the remote.

Using the Set

- Plug light string into a 110V-125V wall receptacle, lights will turn on. Press power button on remote if they do not turn on when first plugged in.
- Fully extend the antenna and push the button marked "Function" on remote to advance to next function (after lights are turned on).
- In case you are not sure which function you are on, you can return the set(s) back to function 1 (Steady On White) by pressing both the "function" and "sync" buttons at the same time for approximately 2 seconds.
- Note, the red LED at the top of the remote will illuminate with each press of a button on the remote. If the LED does not illuminate, install or replace the battery into the remote.

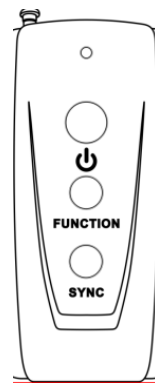


Additional Notes for Using a Set:

1. Light set must be plugged into working outlet for the light set and remote control to function.
2. The remote control unit is the only way to change the function setting of this product.
3. When using the remote to turn your set ON, there may be a slight delay before the light pattern starts working.
4. To change the light pattern, it is recommended to wait a few seconds after each time you press the "FUNCTION" button until you reach the desired pattern/function.
5. If the lights do not change function or the set does not turn on or off with the remote, see the trouble shooting section.
6. If there is a power interruption, including if used on a switched outlet, on a timer, or power failure, the system's memory will retain the last light pattern displayed.
7. The operating distance of the remote is up to 90 feet (27.4 meters). Distance may vary due to other radio transmitters in the area (cell phones, Wi-Fi signals, wireless phones, intercoms, baby monitor, etc.), microwave ovens, computers, materials used in the construction of your home, trees, hills, bushes and other items that may attenuate the radio signal.
8. The battery in the remote will drain and become depleted very quickly if the remote is placed where one (or both) of the buttons on the remote are continually pushed (such as placing an item on top of them, or storing the remote upside down).

Synchronizing Multiple Sets

1. Plug all the light strings into any 110V-125V wall receptacle, lights will turn on. Press power button on remote if they do not turn on when first plugged in. Light sets do not have to be connected end to end or to the same outlet to be synchronized, but must be within range of the remote control (up to 90 feet (27.4 meters) distance may vary)
2. Please be sure not to overload any outlets or extension cords when connecting multiple light strings.
3. Fully extend the antenna on the remote.
4. Push the power button if all lights are not already on. If only one or several lights are on, unplug those that are on, and while plugged in, push the power button to turn on the rest of the lights, then reconnect the other lights so that all will be on.
5. With all remote control sets turned on, use any remote control and press the SYNC button, all sets should be set to the same function.
6. Press the FUNCTION button until you have selected the desired light pattern effect.
7. For best results, all sets should be turned on or off at the same time. If connected to multiple outlets, use the on/off feature on the remote. If connected end to end or to the same switched outlets, you can turn on or off power to the outlet or by using the remote.



TIP – If you want to return all the sets back to Function 1 at any time, just push both the **“ON/OFF”** and **“FUNCTION”** buttons at the same time for about 2 seconds until the set returns to steady white color. This resets the units back to Function 1 (steady white color) so you can start over in the order of functions.

Additional Notes for Synchronizing Multiple Sets:

- A. When multiple light sets are lighted, pressing the FUNCTION button will change all sets to the next pattern.
- B. If one or more sets happens not to be on the same function, press the “SYNC” button to rest all the sets to the same function.
- C. These are Radio Frequency controlled devices. All sets within the effective range will be affected and controlled using any one remote.
- D. It is not possible to have different lighting effects on different sets in the same remote control range area.
- E. If used with a mechanical / digital timer, only one timer must control all sets. In this case, do not turn sets off using the remote or the sets will not turn on with the timer.
- F. Due to component tolerances, there may be cycle time differences between sets.

WARNING:

- Do not expose the remote control to moisture. If used outdoors, do not bring outside when raining or snowing, use remote from indoors instead.
- Remove battery when not used for extended period of time, or when depleted.
- Dispose of battery properly by following directions on batteries.
- Use only 12V Alkaline battery type 23A for replacement, use of other batteries may damage remote.

Troubleshooting Instructions

NOTE: The LEDs in this set can be replaced, however, to prevent damage to the whole light string when replacing one or more LEDs, you must:

- a. Unplug the light string from the wall power outlet, extension cord or other light string, before replacing the bulbs.
- b. Do not turn off just by using the remote (you must physically unplug the light string from the power outlet).

Failure to unplug the set from a wall outlet, extension cord, or other light string (unplugging it from the 120V source) will permanently damage the set and will not be covered by the guarantee.

- If lights do not change function or turn off or on when a button is pushed:
 1. Check that the red LED light on the remote is illuminating and not dim:
 - a. Check that battery is inserted properly (+ and -) and making contact (typically the LED would not be illuminating in this condition), see battery installation details for correct battery installation.
 - b. Clean battery and remote terminals.
 - c. Replace battery with a new one, see battery installation details for correct battery installation.
 2. Make sure antenna is up and fully extended.
 3. Move away from other items that may cause interference, such as cell phones, 2-way radios, microwave ovens, computers, Wi-Fi access points, etc.
 4. Make sure you are close enough to the light set control box.
 5. Make sure light string has power:
 - a. Make sure power is on at the outlet (try a different product on the outlet to ensure power is on)
 - b. Make sure outlet is not powered by a dimmer (if it is move set to a different outlet)
 - c. Make sure outlet is not on a timer (if it is move set to a different outlet)
 - d. Reset Ground Fault Circuit Interrupter (GFCI) in case it accidentally tripped.
 6. Unplug light string plug for 1 minute and plug back into powered outlet and retry.
 7. If used on a timer controlled circuit, make sure the timer is rated for use with Compact Fluorescent bulbs (CFL) as some timers will not work properly with electronics.
 8. If set stays in the "steady on - white" mode (Function 1) – check to make sure that the remote is not located where both the "FUNCTION" and "SYNC" buttons are pressed at the same time - relocate remote so buttons are not pushed during use.
- If the remote only works at a very short distance (for example, right next to the light set), follow steps 1 – 3 above.
- If sets do not turn on when power is turned on to the set (when plugging into an outlet, a timer turns it on, or switch controlling the outlet is turned on), try pushing the "On/Off" button as it may have been turned off using the remote the last time it was used (remember, this product will remember the last function it was turned off at, including if the remote was used to turn the set off).
- If the battery in the remote drains and becomes depleted very quickly, then the remote is being placed where one (or more) of the buttons on the remote are being continually pushed (such as placing an item on top of the buttons, or storing the remote upside down, etc.). Place the remote such that the buttons are not pushed.

TIP – If you want to return the set back to Function 1 at any time, just push both the "ON/OFF" and "FUNCTION" buttons at the same time for about 1 second until the set returns to steady white color. This resets the units back to Function 1 (steady white color) so you can start over in the order of functions.

FCC Information

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference; and (2) this device must accept any interference received, including interference that may cause undesirable operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.