# HypnoLight Instruction Manual

Thank you for purchasing the HypnoLight, a beautiful light string that plays artistic visualizations indoors or outdoors, with multiple color themes for holidays, parties, dorm rooms, man caves, and more!

## In the Box

You should find the following items in the box:

1. HypnoLight strand with 50 LEDs and controller module.
2. AC-DC power adapter (100-240VAC in, 5VDC 3A out, 2.1mm center positive plug.)
3. This instruction manual

## Overview

The HypnoLight has 33 animated patterns and 19 color themes, along with multiple transitions effects. Colors, speed, and symmetries are all randomized, so that a running HypnoLight will never exactly repeat during the age of the universe.

## Controls

The button on the control module allows simple control such as selecting the color theme or locking the playing animation to the current one, according to the following table.

| Mode | Description | Single click | Double click | Triple click | Long hold |
|---|---|---|---|---|---|
| **Playback** (default) | *Plays themed patterns* | Next pattern | Previous pattern | Blinks red, go to **Lock** | Blinks white, go to **Theme Selector** |
| **Theme Selector** (30 second timeout to **Playback**) | *Change theme* | Next theme | Previous theme | Ignored | Blinks green, saves selection, go to **Playback** |
| **Lock** (disables auto-advance) | *Plays current pattern* | Blinks green, to **Playback** | Blinks green, to **Playback** | Blinks green, to **Playback** | Blinks green, to **Playback** |

When powering on, the HypnoLight will always start in **Playback** mode, but will remember the last theme that was set.

## Changing Themes

To change themes, hold down the button until all LEDS flash white twice, indicating you are in **Theme Selector** mode. The HypnoLight will then show the current theme colors (see below for full list.) Single click and double click select the next and previous theme. To save the currently showing theme, press and hold the button until there are two green flashes. The HypnoLight will remember the last theme set even when powered off.

The following is a list of all 19 themes, given in the order they appear in the Theme Selector mode. The mode starts on the currently selected theme.

- ❖ **Default** theme = plays all colors, indicated by all colors at once smoothly changing

- ❖ Seven holidays themes, indicated by its theme colors:
  | | |
  |---|---|
  | **Christmas*** | = green, red |
  | **Thanksgiving** | = orange, yellow |
  | **Halloween** | = purple, green, orange |
  | **4th of July** | = red, white, blue |
  | **Easter** | = pastel green, pastel blue, pastel pink |
  | **St. Patrick's Day** | = green, orange |
  | **Valentine's Day** | = red, white, pink |

  *(The Christmas theme includes all colors, but with much more green/red than the default)

- ❖ Three special modes:
  | | |
  |---|---|
  | **Slow** | = plays 3x slower, indicated by colors pulsing bright to dark |
  | **Nightlight** | = all colors, very dim |
  | **Hue cycle** | = one color at a time, cycles through all colors |

- ❖ Eight single colors themes, each shown as a solid color:
  **Red**
  **Magenta**
  **Blue**
  **Cyan**
  **Green**
  **Yellow**
  **Purple**
  **Orange**

If there is no input for 30 seconds, all LEDs will blinks red (which means the changes are not saved) and returns to Playback mode.

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## Outdoor Use

The HypnoLight can be used outdoors; however the following steps must be taken to ensure proper weatherproofing:

1. If the power adapter is exposed to the elements, it **MUST** be mounted vertically, and off the ground. There is a mounting point provided for this purpose (mounting hardware not included.) When properly mounted, the wires should emerge from the bottom of the unit,
2. After plugging in the DC power connector to the controller module, make sure that the waterproof seal is screwed in place tightly.
3. Make sure that the plug on the far end of the HypnoLight strand is covered by the black cap.
4. The HypnoLight should not be used anywhere where it will be subject to complete immersion in water.

## Using Multiple HypnoLights

The HypnoLights are designed to stay in sync if they are powered on at the same time (you can use a power strip to turn on and off many HypnoLights at once.) Any number of HypnoLights can be synced in this manner. Unfortunately due to manufacturing tolerances, this is not perfect and they will drift over time. Power cycling will restore the synchronization.

All patterns on the HypnoLight are also designed to tile end to end (or in a loop of one or more strands), so that visualizations look nice and continuous.

Two HypnoLights can be connected together, for powering convenience (only power passes through, no data.) However, a larger after-market power supply will be required for proper operation (regulated 5VDC with at least 5A; center positive 2.1mm x 5.5mm barrel jack.)

When disconnecting HypnoLights, be sure to re-cover the power plugs on the ends with the provided caps in order to maintain proper weather proofing.

## International Use

The included power adapter supports 100-240VAC, 50/60Hz, and should work in all locations worldwide. The power plug however is a 2-blade US style plug, and you will likely need a physical plug adapter in most countries.

**Thanks for purchasing the HypnoLight, and enjoy!**

**HYPNOLIGHT INSTRUCTION MANUAL**