



CASAMBI MINI SMART STICK BLUETOOTH LED CONTROLLER

POWER & CONTROLS // SMART LED CONTROLLER

PART #: PB.O-S-EVO

PACKAGE CONTENTS

PART	DESCRIPTION	QTY
Evo-Lite Mini Smart Stick Led Controller	Multi-channel controller for Apple / Android. Use with single color, tunable white, RGB, RGBW, and 4-channel dimming applications.	1

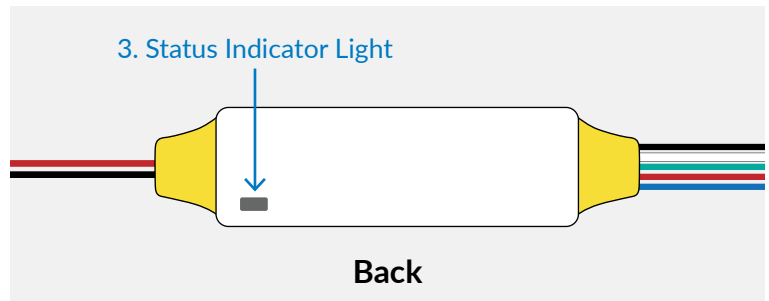
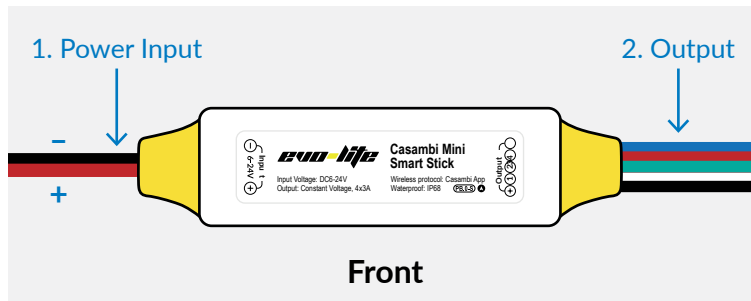
Please reference the specification sheet for all technical data.

⚠ SAFETY & COMPLIANCE INFORMATION *Read all instructions before beginning.*

- WARNING: RISK OF ELECTRIC SHOCK.** Disconnect power at the source before adjusting or modifying the product or lighting system.
- To reduce the risk of fire, electric shock, or injury to persons, pay close attention to this manual and stay within its guidelines when using this product. **Do not connect this product to AC current. Only use with 6-24VDC input power.**
- Product should be installed in accordance with all local/regional electrical codes and the current National Electric Code.
- Product must be installed per these instructions and contained within and exclusive to application where not subject to damage.**

INTRODUCTION

This LED controller is designed for use with 6-24VDC low voltage lighting products. The Casambi app makes it easy to control single color, tunable white, RGB, and RGBW lighting products. The control's compact size makes it easy to work with in limited spaces. The standard lead wire design makes connecting power and lighting products simple.



1. POWER SUPPLY INPUT

Connect to power supply. The controller can accept supply voltage from 6VDC–24VDC. Connect the red wire to power positive and the black wire to negative. The output voltage will match the supplied input voltage. Make sure that the power supply voltage and supplied wattage are appropriate for the connected load.

2. LED OUTPUT

Connect to constant voltage LED loads. Ensure the LED rated voltage is the same as the power supply and each channel's maximum load current is below the controller's rated current. The controller can be configured for single color, tunable white, RGB, or RGBW. Please refer to the table to the right. The black wire is positive (+) on the output side.

Color	White (channel 1)	Green (channel 2)	Red (channel 3)	Blue (channel 4)
Single Color	White	White	White	White
Tunable White	Cool White	Cool White	Warm White	Warm White
RGB	Unused	Green	Red	Blue
RGBW	White	Green	Red	Blue

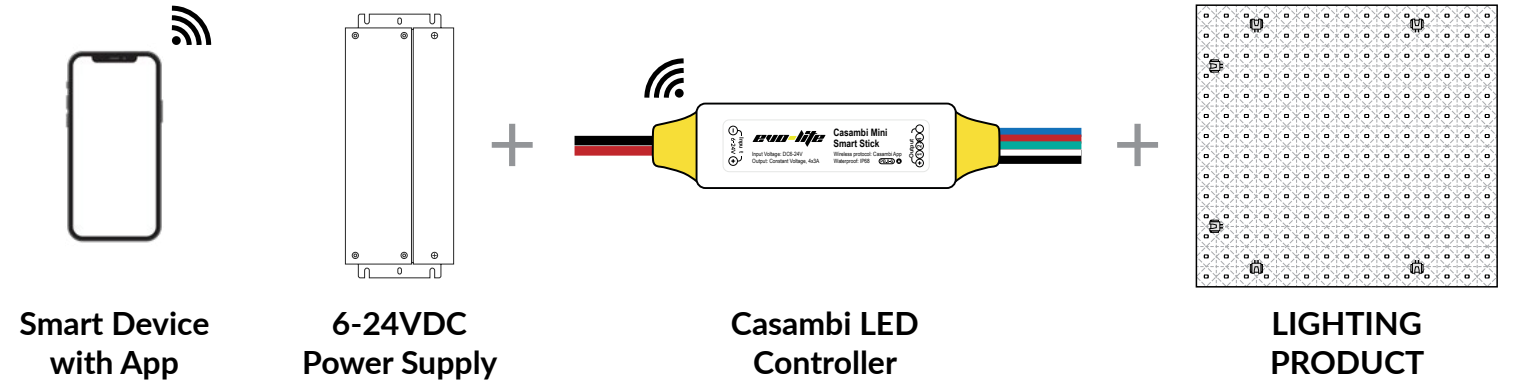
3. STATUS INDICATOR LIGHT

The indicator light shows the status of the controller. See color reference table below.

Steady Blue	White Blink	White Blink 3X	Yellow Flash X1	Red Flash	Yellow Flash
Normal Working	Command received	Confirmation / identification	Edge of the adjustment	Overload protection	Overheat protection

SYSTEM SETUP

Turn power off at the source before installing or servicing the lighting components or system.



OPERATION

This device is controlled by a smart device such as a tablet or smart phone. It requires iOS 10.0, Android 4.4, or Mac OS 11.0 or later operating system to support the app. All functions of the controller are integrated with the Casambi App. Download the app on the App Store or Google Play Store.



IP68 WATERPROOF VERSION

The -S version controller is IP68 waterproof rated with glue injection finish. For overall waterproof performance, the cables must be waterproof treated separately. The wireless communication signal could degrade in wet environments and the control distance may be shortened in such case.

ADVANCED FUNCTIONS

- 1. Change Light Type:** The working mode can be changed from 1 channel single color to 4 channel RGBW via the Casambi App. To change the model, make sure the controller is not paired and then select the "Change Profile" function on the app.
- 2. Change User Parameters:** The gradient time and PWM frequency is adjustable from the user parameter setting. Access the Casambi App settings to set up these parameters.
- 3. Protection feature:** The controller has full protection against incorrect wiring, load short circuit, overload, and overheat. The controller will stop working and the indicator will flash with red / yellow color to indicate the malfunction. The controller will auto-recover after a short time when the condition is corrected. **Red flash:** check the output cables and load. Check for and correct any short circuit or load current issues. Load must be constant voltage type. **Yellow flash:** Check the installation environment to ensure device is operating in the rated temperature range (-4° to 122°F (-20° to 50°C)) and with good ventilation or heat dissipation.