

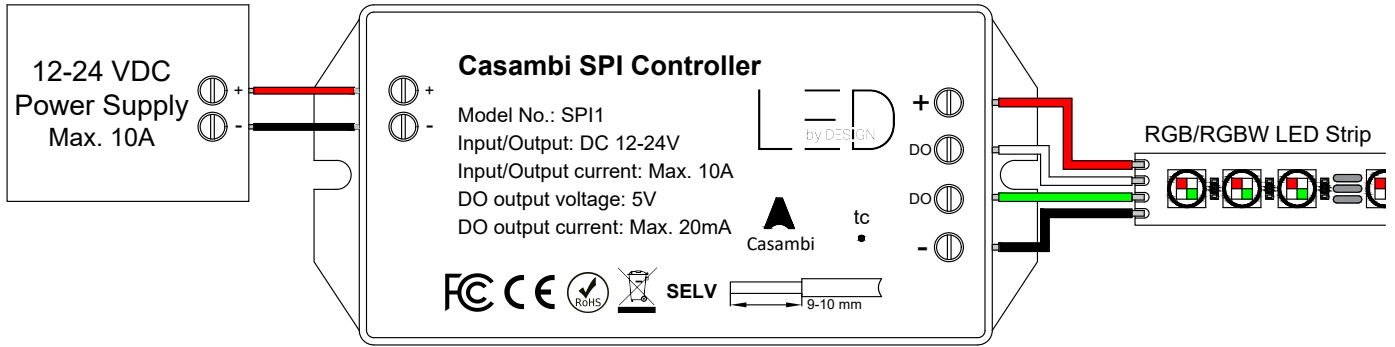
SPI CONTROLLER



USER MANUAL

Item name	Casambi SPI Controller
Ordering code	SPI1
Item code	SPI1
Date	22-OCT-2024

Casambi SPI Controller - Wiring Diagram



NOTES:

- 1) Before setting up the device on the app, connect the LED strip and the power supply to the device. Then, turn on the power.
- 2) Select a profile (RGB or RGBW) before adding the device to the network (*see fig. 1*).
- 3) After adding the device to the network, set the exact number of pixels that are connected and select the correct IC model for the LED strip (*see fig. 2 & 3*).

BASIC STEPS TO SET UP CASAMBI SPI CONTROLLER:

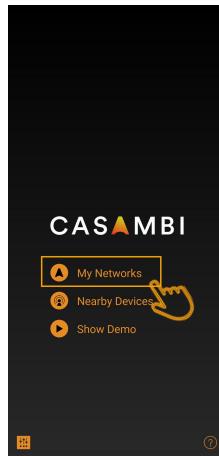
1. Download the CASAMBI APP



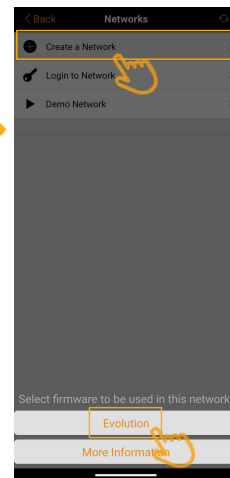
CASAMBI



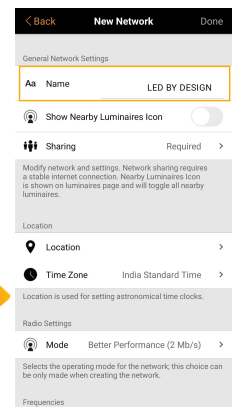
2. Create a New Network



Open the app



Create a Network

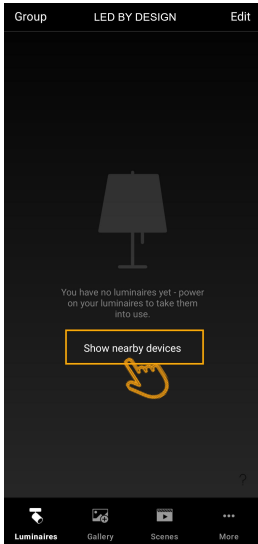


Assign a name to the new network
e.g. "LED BY DESIGN"

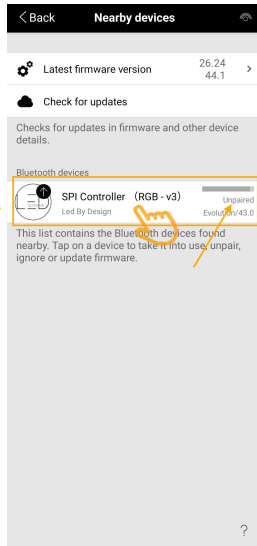
Item name	Casambi SPI Controller
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BASIC STEPS TO SET UP CASAMBI SPI CONTROLLER:

3. Add the SPI Controller to the network



Search for nearby devices



The Casambi App will list your device as unpaired under "Nearby Devices"

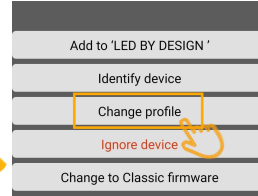
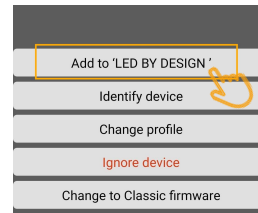
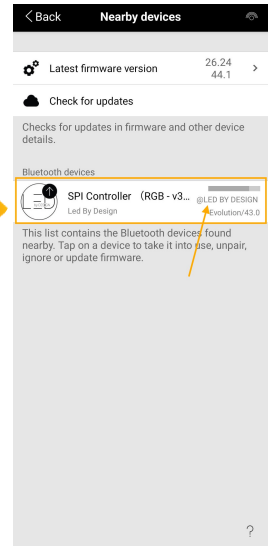


fig.1: Select a profile "RGB or RGBW"

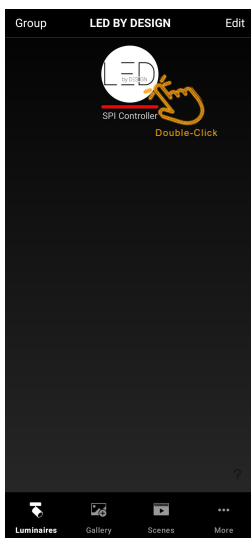


Click Add to a Network to pair the device to the wireless network



The device is now paired to the network

4. Control the paired Device



After pairing, the app will display the device as shown, simply double-click the device icon to change the Name and scroll fully down to set Pixel Quantity, and Mode (IC)*

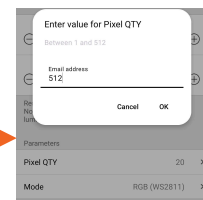
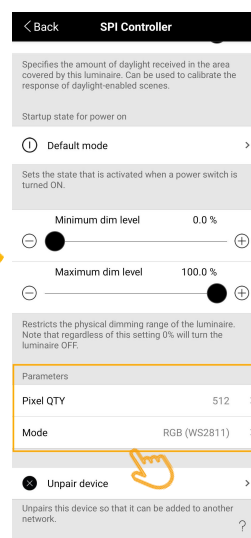
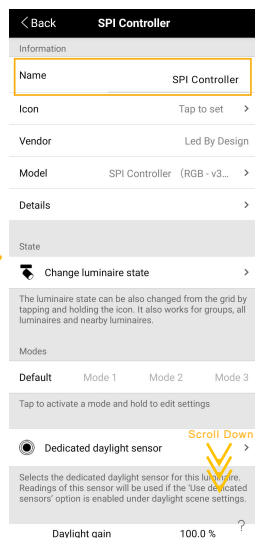


fig.2: Set the exact number of pixels you're using

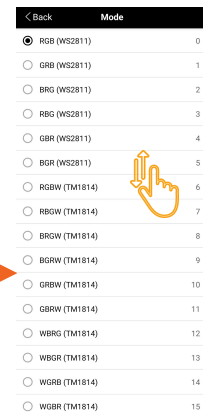
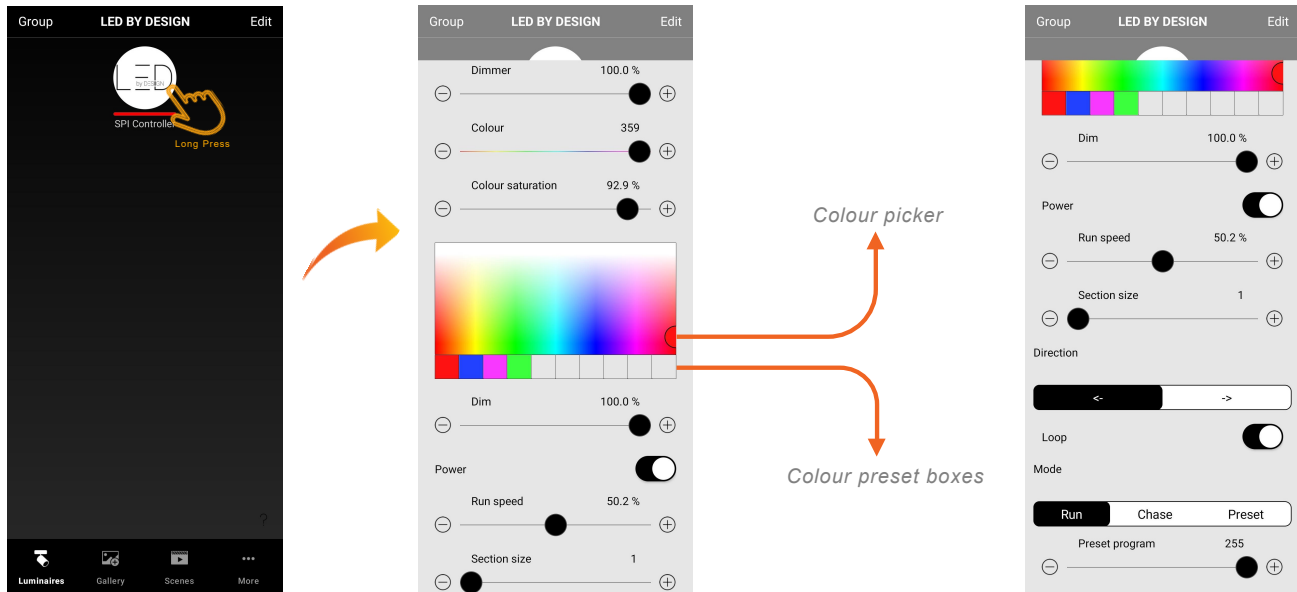


fig.3: Select the IC model used by your LED**

BASIC STEPS TO SET UP CASAMBI SPI CONTROLLER:



*Long press the device icon to access settings for changing colour, dimming, adjusting speed, preset program*** etc.*

ADDITIONAL NOTES:

- 1) The app won't save the settings (IC model and pixel quantity) when unpaired*.
- 2) For RGB there are additional supported modes: WS2812, TM1804, UCS1903, SM16703**.
- 3) 255 preset programs are supported in total***.
- 4) Colour picker is used for colour selection.
- 5) 10 Small boxes at the bottom are also scene selectors; select a colour that you like and then press and hold on a box, the colour is stored and appears in the box.
- 6) Dimmer (1st slider): Controls the general dimming of Casambi.
Dim: Controls the dimming of preset programs.