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User Manual

STN-2-RGB

Important: Read all instructions prior to installation.

Under Cabinet LED Flexible Light Strip Kit

Included Parts

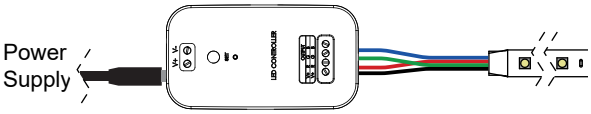
1 - LED Strip
1 - Bluetooth Controller (LF-BL-A3)
1 - Power Supply (CPS-24V-48W)
1 - 10 ft Section of 4 Conductor 22 AWG Wire (RGB-4Wire)
14 - Clamp-On Solderless Connectors (SBL-MA4P-10)
2 - Double-Sided Adhesive Foam Pads (3M-FTP)

Safety and Notes

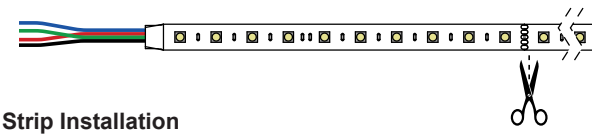
- Product should be installed in accordance with applicable national, state, and local electrical codes.
- To reduce the risk of electric shock, ensure that the main power source is switched off and the power supply is disconnected before performing any installation or wiring procedures.
- Product is for use in dry, indoor locations only.
- Do not connect strip or controller directly to AC power.
- Do not connect components other than those included to the power supply.
- Ensure the polarity of all connections is correct during installation.

Installation Process

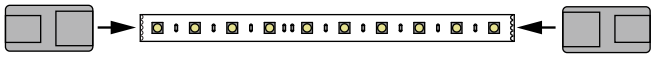
Preinstall Check
Remove strip from reel and make connections to power supply and controller. Controller will need to be paired to a smart device. Refer to controller user manual for pairing instructions. Briefly turn on strip using controller to ensure proper operation of the strip, power supply, and controller. After successful test, disconnect power supply and disconnect components.



Layout
Layout strip on counter below cabinets. Hold strips up under cabinets or measure to determine lengths of strip segments needed for installation. Cut strip to desired lengths ensuring all cuts are made only on marked cut lines.

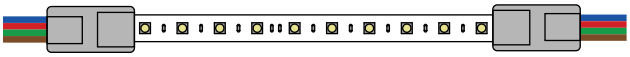


Strip Installation
Attach solderless connectors (SBL-MA4P-10) to strip ends by placing the connector fully over the strip and pushing down cap until it locks in place.



Next, ensure all installation surfaces are clean and dry. Begin to remove strip's backing while adhering to bottom front edge of cabinets for optimal illumination. Press firmly to secure strips to surface.

Route wire (RGB-4Wire) for strip-to-strip connections under cabinet seams, windows, and other spaces between cabinets. Cut wire to length and attach wire ends to solderless connectors by placing the wire fully into the connector and pushing the cap down until it locks in place. Ensure the wires are connected to the correct polarity on the strip.



Controller and Power Connection
Use the double-sided foam adhesive pads (3M-FTP) to mount the controller. Connect lead wires at the end of the strip run to the controller (LF-BL-A3).

Connect the power supply (CPS-24V-48W) to the CPS connector on the controller and apply power to check for proper operation .

[1]UL certification only applies to the included strip and power supply

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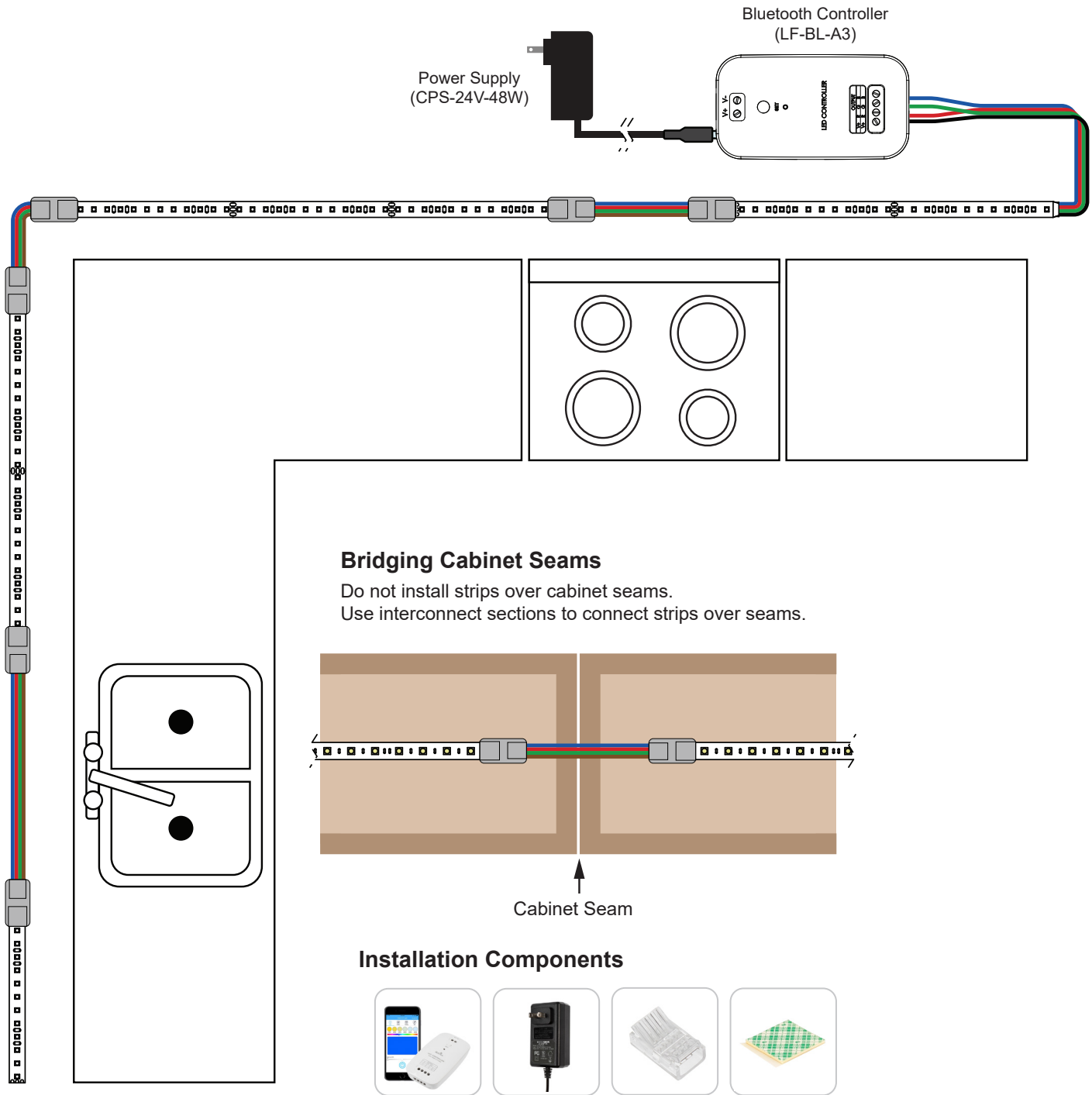
General Installation Diagram

Note: Wiring may vary based on cabinet configuration and outlet availability.



Bridging Cabinet Seams

Do not install strips over cabinet seams.
Use interconnect sections to connect strips over seams.

Installation Components

Controller (LF-BL-A3) | Power Supply (CPS-24V-48W) | Clamp-On Solderless Connector (SBL-MA4P-10) | Double-Sided Adhesive Foam Pads (3M-FTP)

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