Leona® RGB
HDMI Sync BOX TV Kit

Product Data Sheet

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CE   RoHS COMPLIANT

Features

- **Syncs with TV Content:** Real-time color matching and dynamic lighting effects for immersive viewing.

- **Advanced Control Options:** Control lighting settings, colors, and modes via a dedicated smartphone app, or use popular voice control devices such as Google Home or Amazon Alexa.

- **Customizable Lighting Modes:** Preset and custom modes to suit various preferences.

- **Easy Installation:** Simple plug-and-play installation including strong adhesive backing and mounting clips.

- **Energy Efficient:** Low power consumption and durable performance.

- **Enhanced Viewing Comfort:** Reduces eye strain and improves screen contrast.

- **Compatibility:** Compatible with various input devices like Blu-Ray players, gaming consoles, and streaming devices.

Please Note: An external HDMI device is required to use this system; it cannot be connected directly to your TV.

Product Features

SKU	LEO-PXL-RGB-HDMI-KIT
TV Size Compatibility	55-65 inch
Power Supply Input Voltage	100-240V AC 50/60Hz
Power Supply Output Voltage	12V DC
Control Protocol	SPI
Signal Type	Wi-Fi/Bluetooth
Operating Frequency	2.4 GHz
Strip Light Length	12.5 ft (3.8 m)
Strip Light Wattage	24W Max
LED Size	5050
Number of LEDs	114
Dimmable	Yes
IP Rating	IP20
HDMI	HDCP 2.2 Video resolution, HDR Dolby Vision Supports 4K@ 60Hz, HDR 10+

Component Check
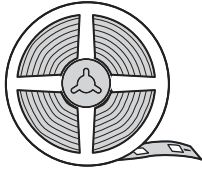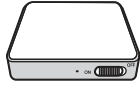
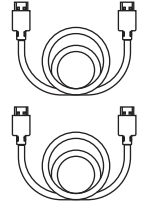|				
x1	x1	x1	x14	x2
LED Strip Lights	HDMI Sync Control Box	Power Supply for HDMI Sync Box	Mounting Clips	HDMI Cable x2

LED Strip Light Dimensions

47.24" | 120 cm   6.3" | 60 cm   47.24" | 120 cm   6.3" | 60 cm

System Setup

Back of TV

LIGHT

HDMI OUT/TV

POWER
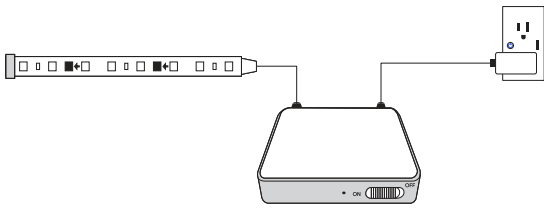
HDMI IN

Outlet

Adapter
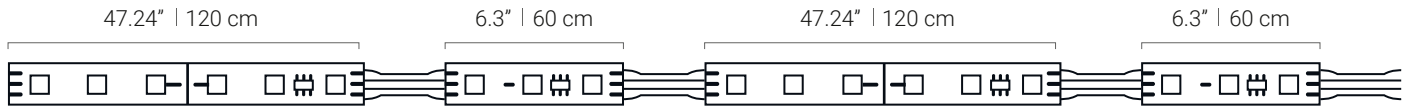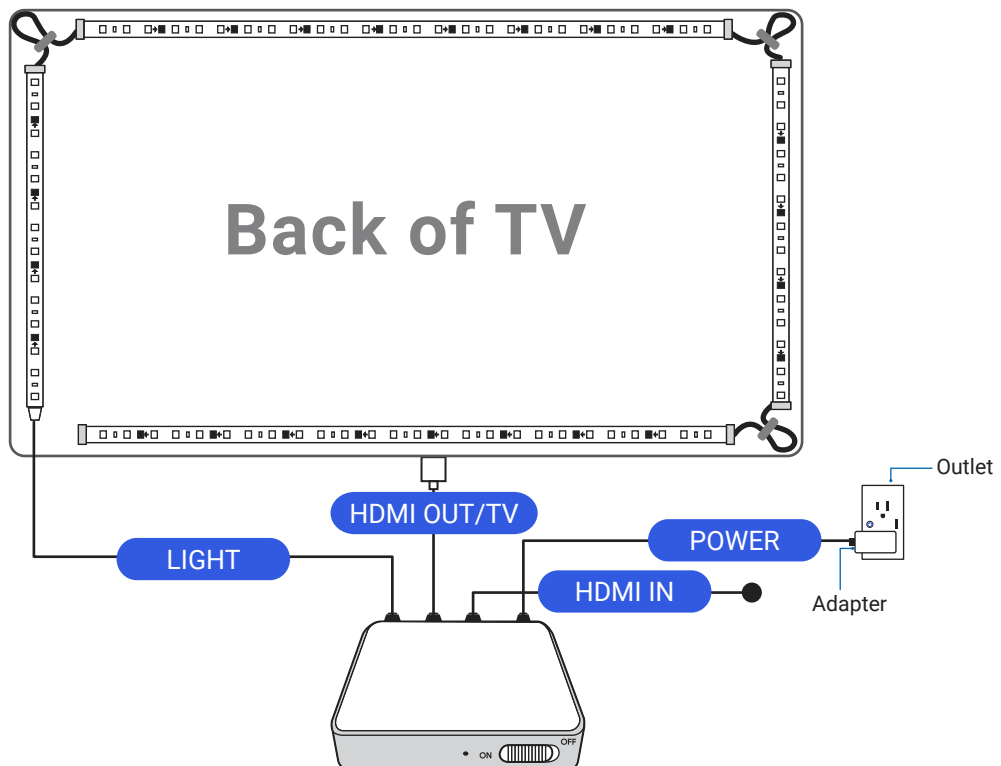
Installation Instructions

1. Complete a Mock Up Installation
Before sticking the LED strip light to a surface, please test the components to ensure they work properly. Connect your LED strip light to the HDMI sync box, then use the power supply to power the sync box.

2. Prepare Surface for Installation
Thoroughly clean any surface where you will be attaching your LED strip light. The adhesive backing is strong but will not stick to dirty, dusty, or porous surfaces.

3. Install LED Strip Light
Peel the cover of the 3M tape backing a few inches at a time while gently pressing the LED strip light to the back of the TV where you want to install it. We recommend starting from the bottom left corner and moving on from there. Make sure the strip light is secured on the surface. Use the included mounting clips around the corners.
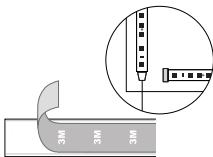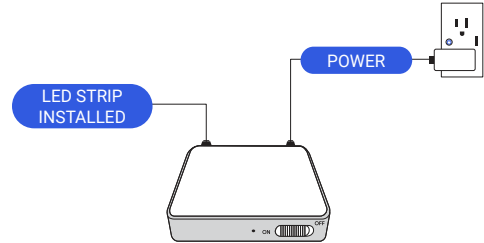
4. Connect Strip Light to Sync Box
Connect the LED strip light to the HDMI sync box.
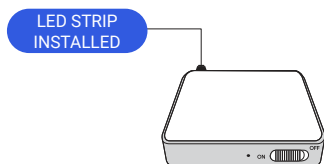
5. Power Sync Box
Connect the HDMI sync box to the power supply. Plug the power supply into an outlet.

6. Connect HDMI Device to Sync Box
Connect an Apple TV, Blu-Ray Player, or Gaming Console to the HDMI IN port on the HDMI sync box using one of the HDMI cables included in this kit. Please keep in mind that an HDMI device is required to use this system as it cannot be connected directly to a TV.
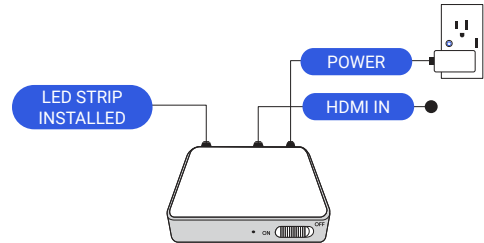
7. Connect Sync Box to TV
Connect the HDMI OUT port to an HDMI output port on the TV or monitor using the remaining HDMI cable included in this kit.
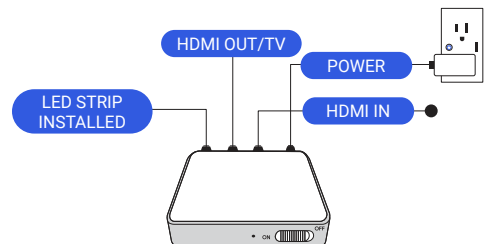
Connect to the Leona® Smart App

1. **Download "Leona® Smart" app** from the iOS App Store or Google Play Store. The app is compatible with Android 6.0 and iOS 10.0 or higher. You can also scan the QR code from the product box label.

2. Open the Leona® Smart App and either **sign up** for a new account or **log in** with an existing account. Allow the app to use Bluetooth.

3. **Connect to Wi-Fi 2.4GHz and activate Bluetooth** to ensure quick pairing is enabled.

4. **Turn on the HDMI sync box.** The light on the sync box will start flashing, indicating it has automatically entered pairing mode. Complete the network setup within 10 minutes before the light stops flashing. To remove a device or reset to the factory settings, switch the device on and off three times until the light flashes again, signaling it has re-entered pairing mode.

5. Follow the prompts to add a new smart device by either manually adding the product or allowing the app to scan for a new device over Wi-Fi. Please confirm that the phone and controller are using the same Wi-Fi network and that the Wi-Fi being used is a 2.4 GHz signal. Please Note: Leona® Smart products are not compatible with 5 GHz Wi-Fi signal.

6. For first-time use, select the "Setup" icon ⊞ on the Leona® Smart app, then select Strip Light On-Screen Sync.

Adjust the sliders to match the edges of your television screen for the best alignment with your TV size.

Select the desired brightness level between Strong, Medium, and Weak.

Select the "Play" icon to start syncing the lights with your TV screen.

7. Once pairing is complete, you can now pair your Leona® RGB HDMI Sync Box TV Kit with third-party smart home apps such as Google Home and Amazon Alexa. Within the Leona® Smart app, however, there are a variety of functions such as dimming, scene control, timers, account sharing, and more.
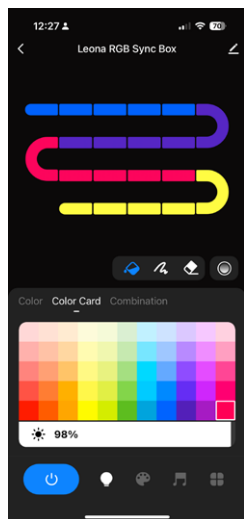
Leona® App Interface

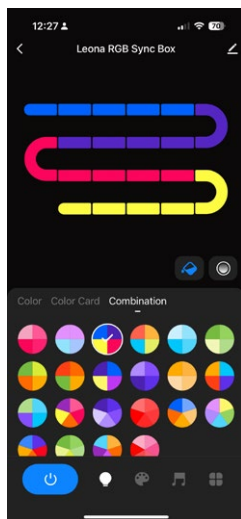🔲 **Light Control: Choose from hundreds of static color options.**

▪ Choose a static color by using one of the following features on the app.
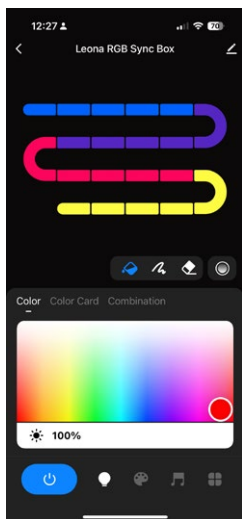
Color
Slide your finger across the color rectangle to adjust the color and saturation of the light.

Color Palette
Choose a color from the color palette to select a specific color for the light.

Color Block
Choose from the preset color options to evenly distribute these colors on the strip light.

▪ Once you select the color of the lights, use the brightness slide to adjust brightness.

🔹 Color fill: Change the color of the full segment of the strip light.
🖊 Color pen: Change the color of a single segment of the strip light.
🔲 Eraser: Turn off the color of a single segment of the strip light.
◉ Color transition: When using multiple colors in the strip light, you can set to turn on or off the color segment gradient transition.

◉ Scene Control: Configure dynamic modes and patterns.

▪ Choose between 44 pre-programmed dynamic modes.

1.	Iceland Blue	21.	Game	41.	Marble Flow
2.	Glacier Express	22.	Colorful	42.	Dreamland
3.	Storm Clouds	23.	White Pulse	43.	Summer Wind
4.	Fireworks	24.	Techno	44.	Chasing Journey
5.	Igloo	25.	Trance		
6.	Firefly Night	26.	Colorful 2		
7.	Northland	27.	Meditation		
8.	Aqua	28.	Marble Chase		
9.	Northern Lights	29.	Color Block Chase		
10.	Late Autumn	30.	Valentine's Day		
11.	Dream Train	31.	Color Block Pulse		
12.	Cherry Blossom Fast	32.	Halloween		
13.	Cherry Blossom Slow	33.	Forest Day		
14.	Cool White Chase	34.	Shades of Violet		
15.	Wind Chime	35.	Ice Fishing		
16.	Snowy Night	36.	RGB Pulse		
17.	Marbles	37.	Aqua Pulse		
18.	Summer Train	38.	Sea Dream Pulse		
19.	4th of July	39.	Violet Pulse		
20.	Dream Sea	40.	Minerals		

▪ Create up to 10 completely custom dynamic modes.
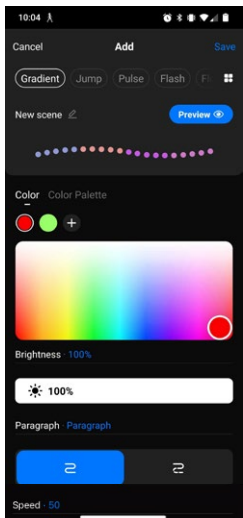
• Select from 16 types of dynamic effects that include: Gradient, Jump, Pulse, Flash, Flow, Rainbow, Meteor, PileUp, Falling, Follow, Flutter, Flash 2, Rebound, Shuttle, Random, and Switch.

• Assign a custom name to your custom dynamic mode.

• Choose up to 8 custom colors for your custom dynamic effects by sliding your finger through the color rectangle.

• Adjust the brightness of the light from 1% up to 100%.

• Select between full or segmented options.

• Adjust the speed of the mode from 1 to 100.

♫ Music Rhythm: Sync strip light to music
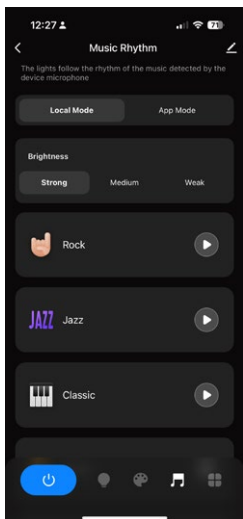
Use the Local Mode to have the lights respond to sound detected by the built-in microphone from the HDMI Sync Box.

Use the App Mode to have the lights respond to sound detected by your smartphone's built-in microphone.

⊞ **Setup: Set timers, adjust the light to your TV size, adjust brightness and sync to TV.**
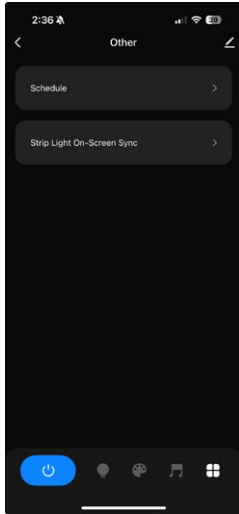
Schedule:
• **Countdown Timer:** Turn off your lights in a set amount of time.

Refer to the "Connect to the Leona® Smart App" section in this instruction guide for initial setup.

Troubleshooting

1. Unable to connect to Bluetooth
   • Ensure that Bluetooth is enabled on your smartphone.
   • If you encounter issues, try using a different smartphone, as your current one may be incompatible with the Leona® Smart App.
   • Turn off both the strip light and your smartphone's Bluetooth, then turn them back on and try reconnecting.
   • During the pairing process, make sure your smartphone is within 3.28 feet (1 meter) of the strip light.
   • Remove any obstacles between the strip light and your smartphone.

2. The strip light does not light up or some LED chips do not light up
   • Ensure the strip light is properly connected to power.
   • Contact our support team for assistance.

3. The strip light does not sync with the beat of the music
   • Move the HDMI sync box closer to the music source.
   • Clean the microphone on the HDMI sync box and try again.

4. Unable to connect to Wi-Fi
   • Follow all the steps within the Leona® Smart App, including the Wi-Fi setup configuration steps.
   • Confirm that the phone and controller use the same 2.4 GHz Wi-Fi network. Leona® Smart products are not compatible with 5 GHz Wi-Fi signals.
   • Connect your phone to Wi-Fi and verify that the network is functioning correctly.
   • Confirm that you have entered the correct Wi-Fi name and password.
   • Change your Wi-Fi password. 8 numbers and letters are suggested.

5. Unable to connect to Alexa
   • Reconnect your phone to Wi-Fi.
   • Unplug and then reconnect the strip light.
   • Unplug the adapter port and plug it back in.

Safety and Warnings

1. Do not cut the LED strip light.
2. LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product and void the
3. warranty.
4. Before attaching the LED strip light, remove all electrically conductive objects, such as nails or metal, from the installation area.
5. Do not install indoor LED tape light products in outdoor/wet location environments.