



Nanoleaf Canvas **User Manual**

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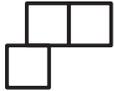
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What's In the Box?



Control Square x 1

This is the brain of the Nanoleaf Canvas Light Squares. It is a fully functional Light Square with integrated touch controls that allow you to operate the entire system. One Control Square is required for each Nanoleaf Canvas system.



Nanoleaf Canvas Light Squares x 8

These are the regular Light Squares that light up at the command of the Control Square. Additional Light Squares are available in the Nanoleaf Canvas Expansion Pack.



Linkers x 9

Linkers are used to physically connect the Light Squares together in a Nanoleaf Canvas system.



Mounting Tape x 28

The included mounting tape was designed for mounting Light Squares onto most flat surfaces (EXCEPT ceilings!) Follow the included mounting instructions in section 1.3 (on page 4).



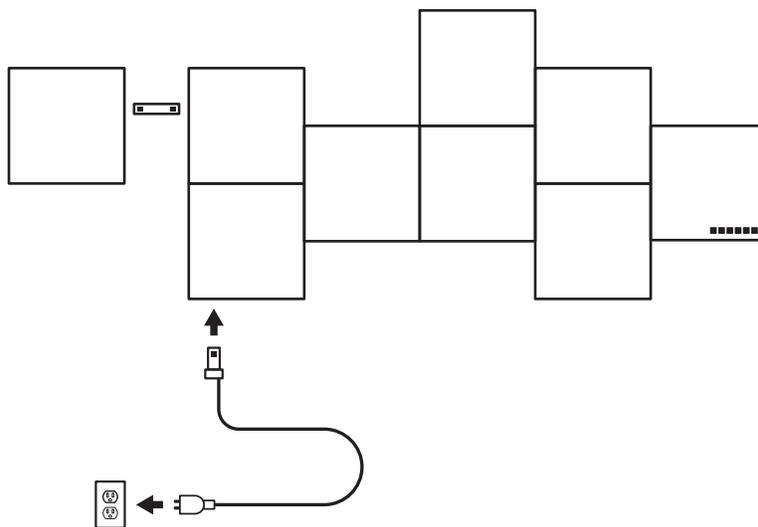
Power Supply x 1

This is used to power your Nanoleaf Canvas Light Squares. Each power supply can support up to 25 Light Squares. One power supply should be added for every additional 25 Light Squares in a Canvas system for optimal performance. Power Supplies can be purchased through the Nanoleaf Shop. Open the Nanoleaf App and navigate to Settings > Shop. The App can also advise you on the best way to power your system with the Power Diagnostic Mode feature.

1. Hardware Setup

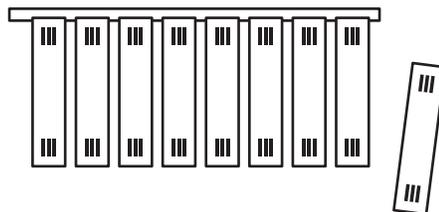
We recommend powering on and trying different layouts on a table or other flat surface to test your hardware before mounting your Canvas Light Squares to the wall. Download the Nanoleaf App to access companion tools to help plan and preview your design, like the Layout Assistant (see section 2.3) and Power Diagnostic Mode (see section 1.5).

We designed the Nanoleaf Canvas to be controlled with any of several methods: the Nanoleaf App, third party voice control and apps, or with the Control Square and touch gestures on any Light Square. WiFi access is optional, as the Nanoleaf Canvas comes with hundreds of Scenes pre-loaded on your Control Square.



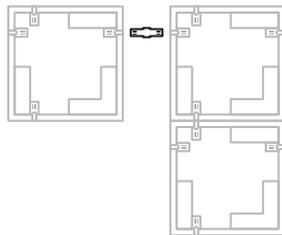
1.1 How to Detach the Linkers

Carefully detach the linkers by separating them along the dotted line.

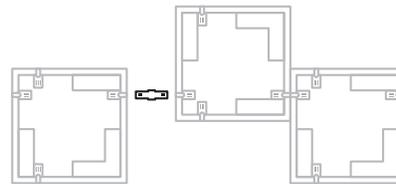


1.2 Light Square Arrangement Options

Light Squares are joined together by inserting the linkers into linker slots along the side. The Light Squares' linker slots have been designed with an offset approach, allowing you to create visually interesting designs using linear and/or staggered arrangements during mounting.



LINEAR ARRANGEMENT



STAGGERED ARRANGEMENT



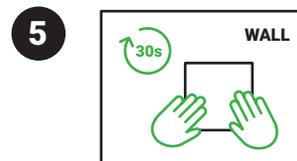
1.3 How to Correctly Mount Your Light Squares

Using the mounting tape correctly is critical for keeping your Nanoleaf Canvas Light Squares properly attached to the wall.

1 Only mount the Light Squares to flat, smooth surfaces. Avoid using the mounting tape on surfaces like unfinished wood, brick, stucco, or wallpaper.



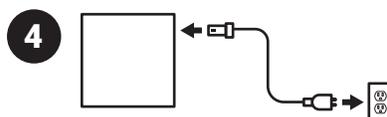
Attach 3 pieces of mounting tape to the back of each Light Square, spaced evenly.



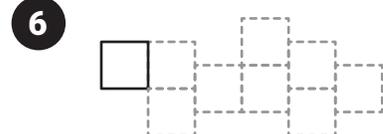
When mounting each Light Square, firmly press and hold the Light Square to the wall for 30 seconds. This helps the adhesive create a strong bond.



Clean the wall with a damp cloth to remove dust and dirt. Let dry before mounting the Light Squares.



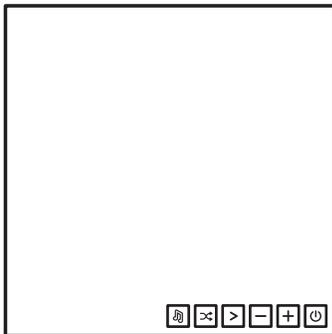
Begin by mounting one Light Square to the wall, and plug in the power supply so that the Light Square is lit up. This will make it easier to ensure that each subsequent Light Square has a good connection to the system.



Mount the Light Squares to the wall one at a time. If you create the entire design beforehand and attempt to mount it to the wall all at once, the linkers will break.

1.4 Your Control Square Explained

The Control Square is the brain of the Nanoleaf Canvas system. The touch control buttons on the Control Square provide convenient shortcuts to common commands. The Control Square can be powered by any Light Square in the layout or directly from a power supply.



Next Rhythm Scene: Cycles through saved Rhythm Scenes



Shuffle Scenes: The Control Square comes with hundreds of preloaded Scenes, and you can use the shuffle button to cycle through them. To add a Scene to your favorites list for future use, see the instructions below. Hold the Shuffle button to return to a previous random Scene.



Next Color Scene: Cycles through your list of saved Color Scenes



Dim



Brighten



Power ON/OFF

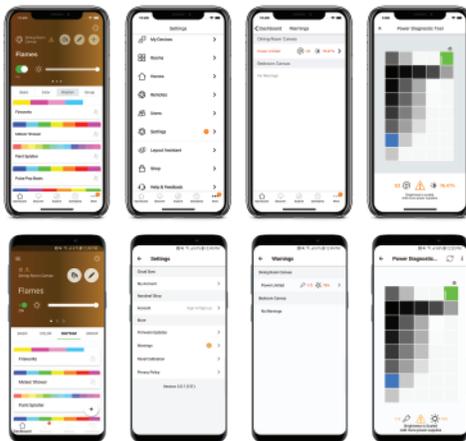
Advanced Button Controls

You can also use the Control Square's touch buttons for advanced commands—most commands can be executed by holding buttons, or tapping two buttons at once. A full list of these shortcuts can be found in the table below.

Buttons	Gesture	Action
	Hold for 3s	This opens a 30s window to pair a Nanoleaf Remote or third party App.
	Hold for 3s	This saves the current Scene if it's not already saved. This is most useful for saving Scenes you like when using the  .
	Hold for 3s	Returns to the previous randomly selected Scene. Only the last 5 randomly loaded Scenes are available. A flash of yellow on the panels will indicate that you are at the end of your browsing history.
	Tap together once	Activate White Lighting mode. Cycle through the following preset white light modes: Warm White (2700K), Reading Light (4000K), Daylight White (5000K).
	Hold down together for 5s	Activate Power Diagnostic Mode: if you have more than 25 Light Squares connected to your Control Square, this enables or disables Power Diagnostic Mode. This mode helps you place additional power supplies to optimize your Nanoleaf Canvas system. See section 4.1 for details.
	Hold down together for 30s	Activate WiFi Hotspot Mode: this mode allows your Control Square to act as a local network hotspot without an Internet connection. With this mode active, you can use the Nanoleaf App to operate your Nanoleaf Canvas without needing a router or access point. Note: Your Control Square will not be able to download firmware updates, and Discover content from the community will be unavailable.

1.5 Activating Power Diagnostic Mode via Nanoleaf App

If you have more than 25 Light Squares in your Nanoleaf Canvas system, Power Diagnostic Mode helps you place power supplies for optimal performance.



iOS App | Open the More menu > Settings > Warnings > Power Limited

Android App | open the side menu > Settings > Warnings > Power Limited

*If your system has optimal power supply, these warnings will not show and Power Diagnostic Mode is inaccessible. If you want to enable Power Diagnostic Mode anyway, please use the button sequence on the Control Square (see section 1.4).

1.6 LED Statuses

There are 6 LED indicator lights on the Control Square, one behind each of the control buttons. These LEDs serve as feedback for various actions, and are also used to communicate device status.

LED Flashing Sequence	Status
Power button LED on (White)	Device is ready to be configured on WiFi
Power button LED flashing white (4s on, 4s off)	Cannot connect to configured WiFi Network
Rhythm button LED on	Rhythm Scene is active

2. Nanoleaf Smarter Series App

2.1 Download the App



Nanoleaf Smarter Series App

Open the Nanoleaf App when you are ready to pair to your Nanoleaf Canvas. The in-app tutorial will walk you through the basics of how to set up your system.

Available on

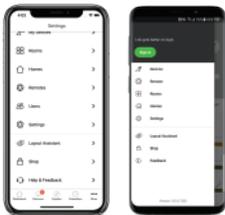


2.2 Pairing your Canvas

On iOS, you must configure your Canvas on WiFi within 15 minutes of connecting it to power. This setup mode is indicated by the Power LED (section 1.6). If the device has been on for more than 15 minutes and the Power LED has turned off, you can simply disconnect the Control Square from power to reset the timer. If the Power LED still does not come on, try the troubleshooting methods in section 3.

2.3 Layout Assistant

The Layout Assistant is a key component of the setup process. This feature is designed to allow you to preview your layout in the app, and then see it in any room using your smartphone's camera.

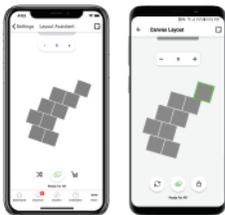


iOS App | Open App > More > Layout Assistant

*on the lower menu bar

Android App | Open App > Side Menu > Layout Assistant

*swipe left or tap the hamburger menu icon at the top left to open this menu



AR Layout Assistant

Tap on this button to activate Augmented Reality mode and preview your layout using the smartphone's camera. **Android users:** Use the QR code as a target for Augmented Reality mode. PS, when it comes to QR codes, size matters 😊. Either use the QR code that is printed on the box or when printing at home make sure to set print size to "Do Not Scale".

2.4 Nanoleaf App Explore Tab



The Explore tab provides helpful information about the app including tutorials, product feature overviews, and news. You can find it using the icon shown above.

3. Troubleshooting

Your Canvas can only be connected to one Wifi network at a time. The following steps will reset your Canvas so they can be configured onto a new network or reset to factory settings.

3.1 Soft Reset

This will reset Wifi and all pairing information for your Canvas, but will keep your saved scenes.

1. Plug in your Canvas into power. After bootup the Squares will show the last scene that was playing
2. Press and hold down the Power  and Dim  buttons for 10 seconds. The button LEDs on the control square will start flashing rapidly
3. Release the two buttons, and after a few moments the Power button LED remain On and steady
4. Delete the previous device from the app and setup once again

3.2 Hard Reset

This will reset your Light Panels to factory settings, deleting Wifi settings, pairing information, and custom Scenes. Default scenes will be restored.

1. Disconnect the Power supply from power (unplug from the wall or the panel)
2. While holding the Power  and Dim  buttons, plug the Power Supply back into power (or the squares)
3. Continue holding the buttons down until the button LEDs on the Control Square come on.
4. Once the button LEDs come on, release the buttons. The button LEDs will flash to indicate that a hard reset will now take place.
5. The controller will reset to factory defaults and boot up.
6. The Canvas is ready to be setup once the Power Button LED turns on and steady and the squares begin cycling through different colours

3.3 Still Having Trouble?

Visit the Nanoleaf Helpdesk to review troubleshooting articles, or open a support ticket: <https://nanoleaf.me/support>

4. Setup Guide for Installations with Multiple Power Supplies or Control Squares

Are you thinking HUGE? Great! The Nanoleaf Canvas was designed with huge in mind! Each Nanoleaf Canvas Control Square can operate hundreds of connected Light Squares.

If you have multiple Control Squares and more than 25 Light Squares in your Canvas system, the tips below will help you optimize your setup.

4.1 Optimizing Multiple Power Supply Placement

You need one power supply for every 25 Light Squares. You should try to evenly distribute power supplies across the layout, although there are dependencies on how you've linked your Light Squares to each other that might not be obvious. We've built a Power Diagnostic Mode to help identify the best places for connecting additional power supplies.

To Activate Power Diagnostic Mode:

Buttons	Gesture	Action
	Hold down together for 5s	<p>A color-coded map is shown on your Light Squares. The map will automatically update as you connect or remove power supply units within your system.</p> <p>Green: Power supply with good placement Red: Power supply that needs to be moved White: Indicates good spots to place your power supplies - the brighter the panel, the better the placement</p>

4.2 Setting Additional Control Squares to Passive Mode

You only need one Control Square to operate your Nanoleaf Canvas system. One Control Square can operate hundreds of Light Squares. If you have additional Control Squares in your setup, you will need to set them to Passive Mode so that they behave like a regular Light Square.

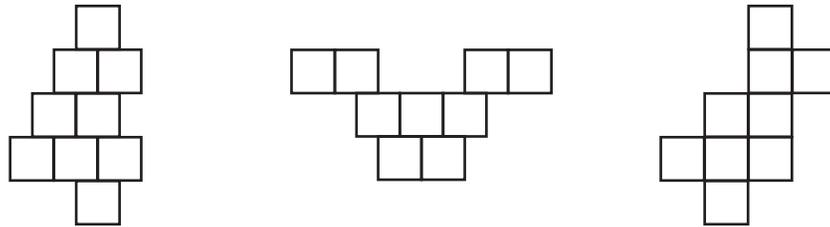
To set a Control Square to Passive Mode:

Buttons	Gesture	Action
	<p>Press the following button sequence three times, in order:</p>  <p>For example: Power, Plus, Minus, Power, Plus, Minus, Power, Plus, Minus</p>	<p>The LEDs will flash when Passive Mode is successfully activated. This will enable Passive Mode on this Control Square, turning it into a regular Light Square until Passive Mode is disabled.</p> <p>Perform a Soft Reset on this Control Square to deactivate Passive Mode. Note that a Soft Reset on this Control Square won't affect the other Control Square(s) in your system.</p>

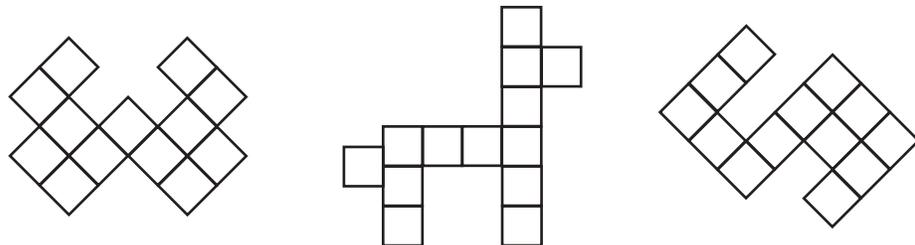
5. Design Inspirations

If you'd like to explore different shapes and create your own design, please use the **Layout Assistant** in the Nanoleaf App. See section 2.3 for more information.

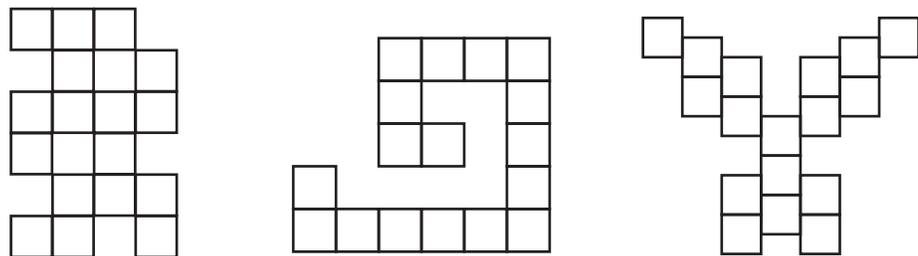
9 Light Squares



13 Light Squares



17 Light Squares

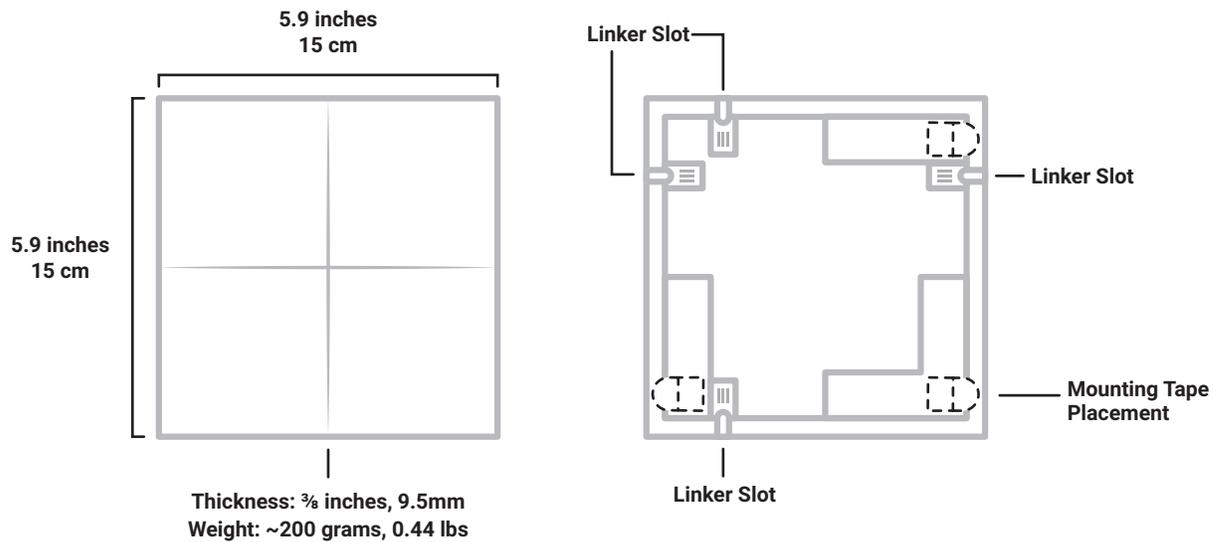


Get Social! @Nanoleaf #nanoleaf

Remember to share your design with us on social media by tagging [@Nanoleaf](#) and [#mynanoleaf](#).

We may feature your design on our official page! Follow us to stay updated about upcoming Instagram giveaways. You can sign up for special promotions and feature update notifications at nanoleaf.me/canvas.

6. Technical Specifications



Product Type	Smart RGBW LED Light Squares
Operating Environment	Indoor Use Only
Waterproof	No
Weight	200 g, 0.44 lbs per Light Square
Rated Lifetime	25,000 hours
Network Connection	2.4GHz WiFi
Color Temperature	1200K - 6500K
Color Range	16.4 million colors
Dimmable	Yes
Built-in Rhythm Support	Yes
Touch Enabled	Yes
Maximum Power Consumption per Light Square	1W
Voltage Range	100VAC - 240VAC (Global voltage)
Software Upgradable	Yes
Power Supply	24W
Max number of Light Squares per Power Supply	25
Max number of Light Squares per Control Square	500
Cable Length	2.5 meters 8' 2"
Compatibility	Apple HomeKit, Google Assistant, Amazon Alexa, IFTTT
Packaged Dimensions L x W x H	257 x 160 x 97 mm 10.1 x 6.3 x 3.8 inches
Packaged Weight	2.9 kg 6.4 lbs
Operating Temperature	10 to 40 C 50 to 104 F
Warranty	2 Years
Certifications	UL, CE, IC, RoHS, SAA, CQC, KC, EAC, REACH

7. Warnings and Cautions

EN

NANOLEAF CANVAS IS NOT DESIGNED FOR USE IN:

Enclosed locations that limit the flow of air and/or trap excessive amounts of heat. Emergency exits or emergency lights. Conjunction with 3rd party sensors/timing devices that are not approved by Nanoleaf®. Places where there is a risk of electric shock. Outdoor areas. Wet or damp conditions. Excessively hot environments (e.g. close to ovens, radiators, heaters, etc.) Regions or countries other than that in which the product was intended for.

WHEN USING NANOLEAF CANVAS

Do not open device, as this will void the warranty. Do not allow small children to operate this device unsupervised. This device contains small parts that may be a choking hazard to small children. Do not clean the device when it is on and or connected to power. Clean the light squares with a soft dry cloth, do not use cleaning agents. Do not bend the light squares with the linker still attached. Do not attach the light squares together with anything other than its original linkers. Do not puncture the light squares with any nails or screws during installation. Do not attach the light squares to a ceiling without the Nanoleaf Canvas Screw Mounting Kit to secure the light squares from falling. Mounting Tape will not hold the Light Squares to a ceiling. Do not attach the Light Squares to the floor where it may get stepped on. Do not place the Light Squares in water, or expose the Light Squares to water. Do not use mounting tape to attach panels to dusty, moist, wallpapered or uneven surfaces such as brick, unfinished wood, or rough concrete.