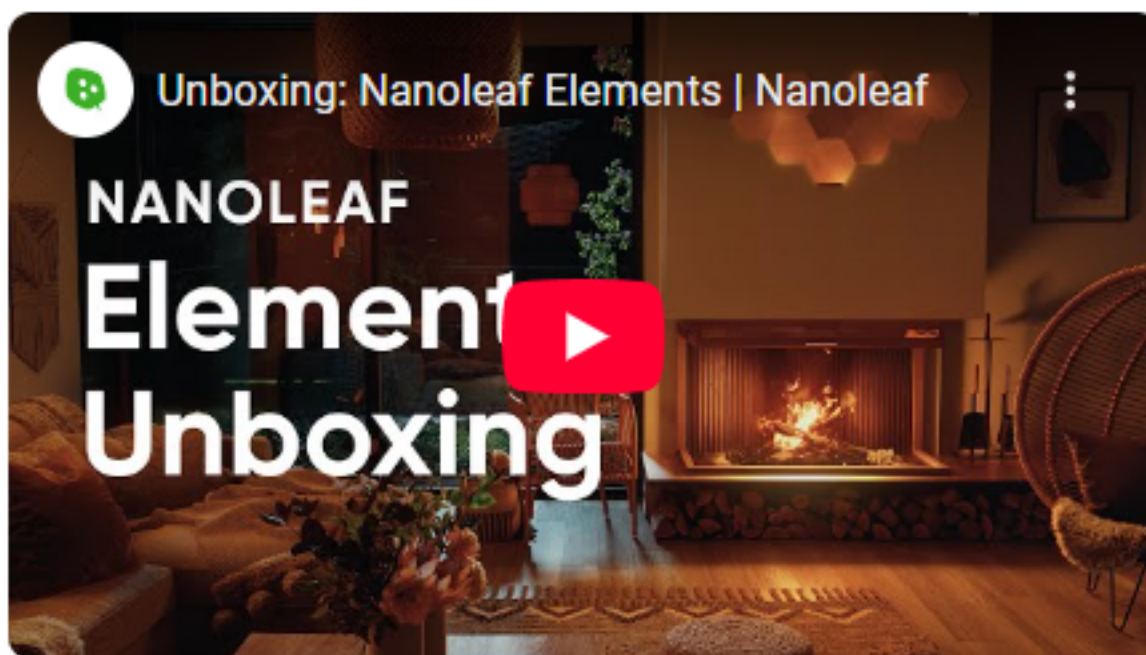


What's in the box?

Slow down, tiger! Before you mount your panels onto the wall, plug them into a power source and try them out on a table or floor. Make sure your design fits into your space by measuring the width and height of your intended setup. You can also use the tools below to help plan out your design!






Video tutorial for what's in the box

Elements Smarter Kits +

-  Wood Look Light Panels (quantity dependent on pack size)
-  Mounting Plates and Tape
-  Rigid Linkers
-  Controller
-  Power Supply Unit

Elements Expansion Packs +

-  Wood Look Light Panels (quantity dependent on pack size)
-  Mounting Plates and Tape
-  Rigid Linkers

Designing Your Layout



Layout Assistant

Explore different panel layouts with the Layout Assistant and preview them in your room using the AR feature (Currently on iOS only). Download the Nanoleaf App and open the Layout Assistant to get started.



Flex Linkers

Extend the possibilities of your Nanoleaf Elements even further! Bend around corners, mount the panels to angled surfaces, maybe even create something a little radical. Each linker bends 360 degrees, available on the [Nanoleaf Shop](#).



Design Inspiration

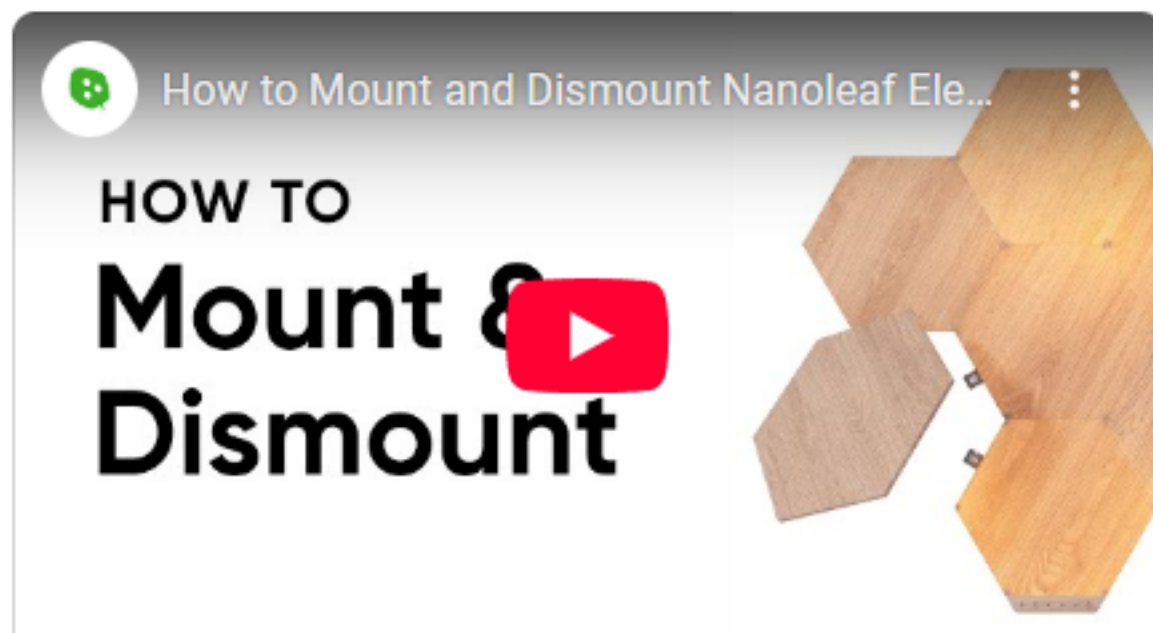
Get inspired by the Nanoleaf community! Check out our Social Media channels like [Instagram](#), [TikTok](#), and [X](#) to see what other Nanoleaf owners are creating or explore the Nanoleaf Library of Elements layouts [here](#).

Show Off Your Design!

Remember to share your designs with us on social media by tagging [@nanoleafhome](#) and [#nanoleaf](#). Follow us to stay updated on upcoming giveaways, special promotions, and product updates.



Mounting Your Elements

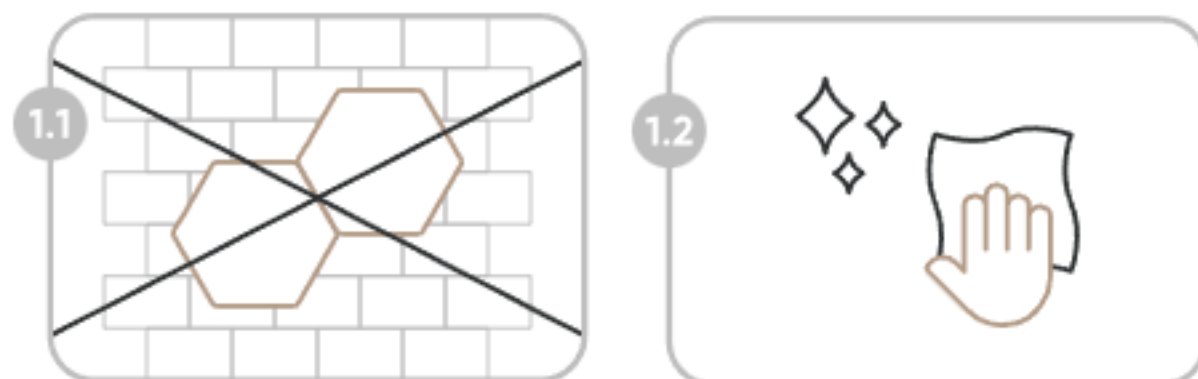


Video tutorial for mounting

1

Prepare Your Surface

The Nanoleaf Elements should only be installed indoors and on a flat surface that can support the weight of the panels. Clean your surface to be free of dust, moisture and oil (1.1). The included Mounting Tape is NOT recommended for textured, porous, popcorn, and ceiling surfaces (ie. wallpaper or brick walls).



2

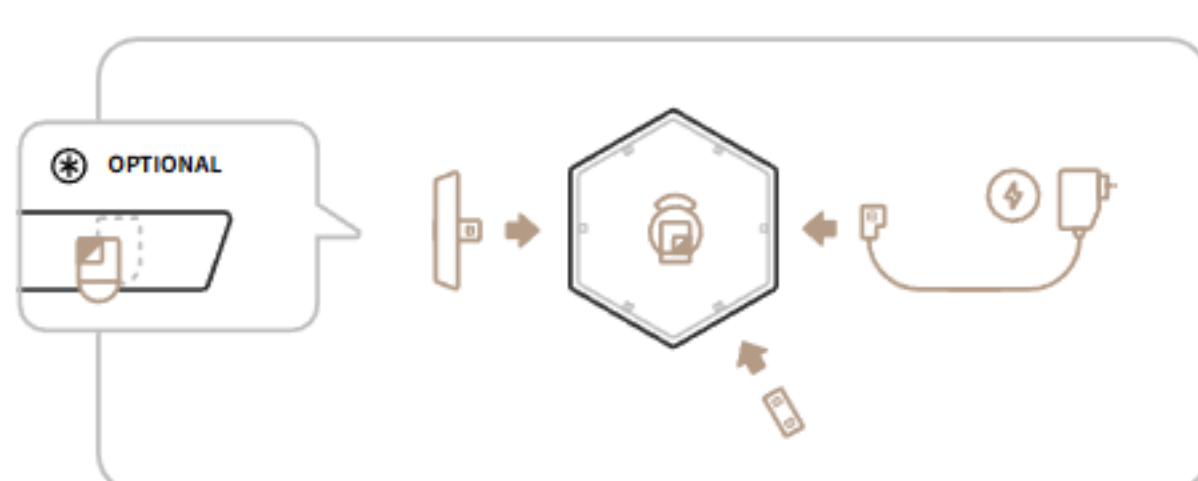
Prepare Your First Panel

Designate a panel from your setup as the starting panel. Attach all needed linkers before you attach any panel to the wall.

3

Connect the Controller & PSU

Connect your Controller and PSU into available linker slots of the first panel. Plug the other end of the PSU into a power source to ensure that your setup is on and properly connected as you continue to connect your panels together.



How many PSUs do I need?

Each standard 42W PSU supports up to 22 Elements panels (2W per panel). Each Controller supports up to 80 Elements panels. Please check out our [PSU Calculator](#) for large installations.

[PSU CALCULATOR](#)

4

Mount Your Panels

Remove the protective liner from the tape and position your panel into place. Mount your panel by applying strong pressure to the centre (this should be where the Mounting Plate is on the reverse side). Make sure to rub your fist in a circular motion for 30 seconds to avoid any falling panels.



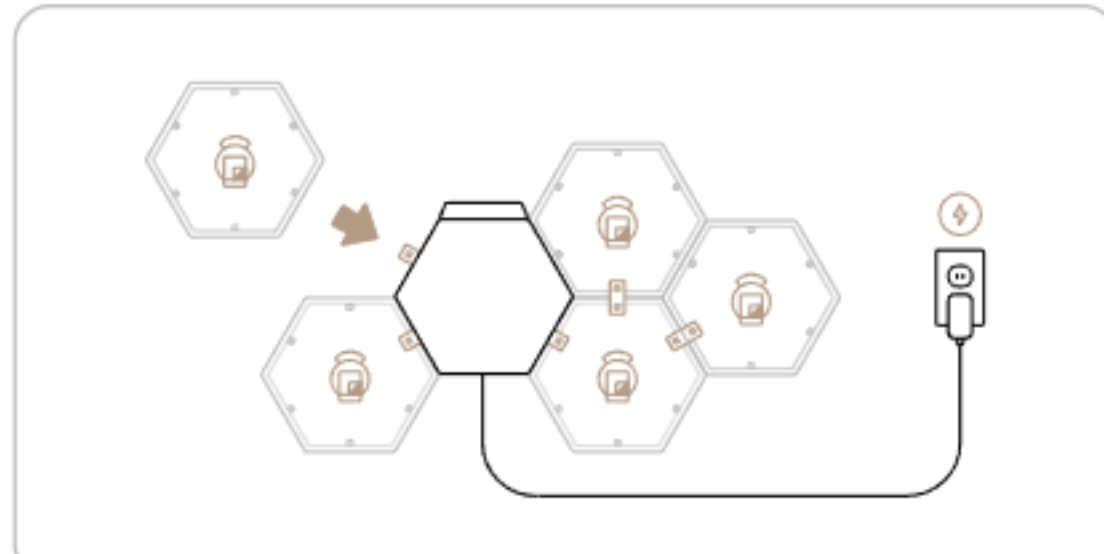
Note

Make sure to leave end of the tape sticking out. This will allow you to safely remove them later from the wall.

5

Complete Your Setup

Continue to add your panels ensuring that the linkers are fully snapped into the linker slot. The panels should be aligned edge to edge and should light up as each panel is added.



Screw Mounting Your Panels on the Ceiling or Angled Surfaces

If you want to mount panels on the ceiling or other angled surfaces, we recommend using screws instead of tape to make sure your installation is securely attached.

1. Mark up where your anchors will go. Position a Mounting Plate in place and mark up the 2 holes with a pencil.
2. Install anchors (may need to drill a pilot hole).
3. Fasten Mounting Plate to anchors with screws.
4. Once secured, attach the panel to the Mounting Plate.

Adding New Tape?

When you need to attach a replacement tape to your Mounting Plate, make sure the tape is placed between the two holes. Leave end of the tape sticking out. This will allow you to safely remove them later from the wall. Visit our [shop](#) for additional Mounting Tapes.



Need to Dismount Your Elements?

Gently snap off the panel from the wall. The Mounting Plate will remain on the wall. With one hand on the Mounting Plate, use your other hand to pull the end of tape along the wall. Do not pull perpendicularly or at any other angle, otherwise, you may damage your wall.

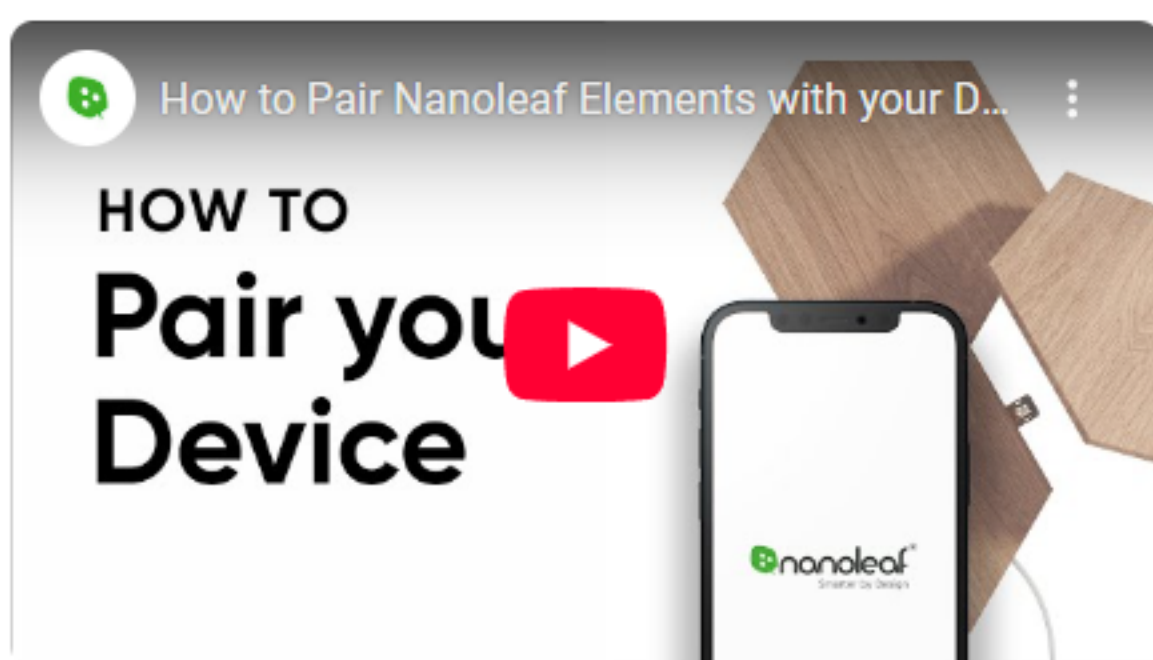


Add to Your Masterpiece!

Be even more creative and grow your setup with Expansion Packs.

[GET ONE TODAY](#)

Pairing Your Elements for iOS



Video tutorial for pairing

Standard Pairing Process for iOS

To ensure a smooth pairing process, please make sure you have the following things ready:



Your Device

Requires iOS 15.4+, turn ON Bluetooth for pairing

Note

iOS 16.5+ is required to pair with a Smart Home Ecosystem



Pairing Code

Found as a QR code and a 8 digit code on your Elements Power Supply Unit, Controller and Quick Start Guide/Welcome Card.



2.4 GHz Wi-Fi

2.4 GHz Wi-Fi is required. 5 GHz networks are not compatible with Nanoleaf products.



Connected Controller

A white light indicates that your Elements are ready for pairing.

1

Download and Open the Nanoleaf App

You can find the official **Nanoleaf App** in the [App Store](#). Make sure you have the latest version.

2

Pair Your Elements

1. On the Dashboard, tap the pencil icon in the top right corner.
2. Tap "Add Device +"
3. The app will automatically open up the pairing window.
4. Follow the instructions on the screen to either:

Option A

Scan the QR code

Option B

Enter in the 8-digit pairing code found on your Elements Power Supply Unit, Controller, or Quick Start Guide/Welcome Card

Option C

Use NFC Tap, by holding the top of your mobile device over the buttons of your Controller

5. Your Nanoleaf Elements should now be connected and ready to go.

iOS Additional Pairing Methods

OPTION A: Pair with NFC Tap

1. After Step 2.4 in the Standard Pairing Process, hold the top of your device over the buttons of your Controller.
2. A connection should be automatically established and your Elements will be paired.

Option B: Pair with Manual Input

1. Select I Don't Have a Code or Can't Scan.
2. Enter your 8-digit pairing code (found on the Quick Start Guide, PSU, or Controller).



How can one setup be controlled by multiple iOS users?

This is accomplished with the Apple Home App and the Nanoleaf App.

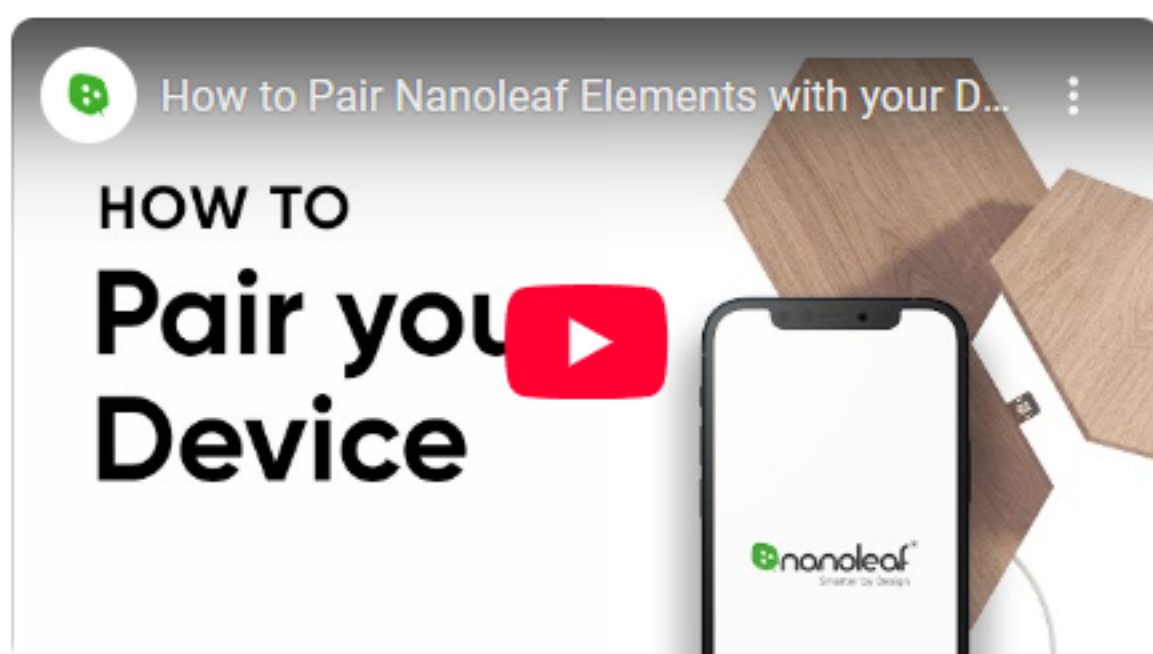
Primary User

1. Open the Nanoleaf App.
2. Select the **More** tab. ⋮
3. Select **Users**.
4. Invite the secondary user with their iCloud Account.

Secondary User

1. A notification will appear for you to accept.
2. In the Home App, select the home icon in the top left.
3. Select **Home Settings**, a list of homes will appear.
4. Accept the home that has been shared with you. This will give you control of the Lines as well as any other HomeKit devices in the same home.

Pairing Your Elements for Android



Video tutorial for pairing

Standard Pairing Process for Android

To ensure a smooth pairing process, please make sure you have the following things ready:



Your Device

Requires Android 9+, turn ON Bluetooth, and Google Play Services app version 22.48.14. Ensure your location settings are enabled on your device.



Pairing Code

Found as a QR code and a 8 digit code on your Elements Power Supply Unit, Controller and Quick Start Guide/Welcome Card.



2.4 GHz Wi-Fi

2.4 GHZ Wi-Fi is required. 5 GHz networks are not compatible with Nanoleaf products.



Controller

A white light indicates that your Elements are ready for pairing.

1

Download and Open the Nanoleaf App

You can find the official Nanoleaf Smarter Series App in the [Google Play Store](#). Make sure you have the latest version.

2

Pair Your Elements

1. On the Dashboard, tap the pencil icon in the top right corner.
2. Tap "Add Device +"
3. Follow the instructions on the screen to complete pairing using one of the following methods:

Option A

Scan the QR code.

Option B

Manually enter the 8 digit pairing code.

Easily identify the device you're pairing by using the "signal" icon (your device will flash), or by matching the Unique ID on your Elements Controller with the last 4 digits of a device name on the app.

Option C

Select NFC, and tap the top of your mobile device over the Elements Controller.

4. Your Nanoleaf Elements should now be connected and ready to go.

Controlling Your Elements



Controller

The Controller is the brain of the Nanoleaf Elements. The touch control buttons on the Controller provide convenient shortcuts to common commands. The Controller can be attached to any available linker slot in your layout.

Power ON/OFF

Dim/Brighten

Next Colour Scene
Cycle through Default or Saved Rhythm Scenes.

Shuffle Scenes
The Controller comes with dozens of preloaded Scenes, use the shuffle button to cycle through them. Hold the Shuffle button to return to a previous random Scene.

Next Rhythm Scene
Cycle through Default or Saved Colour Scenes.



Advanced Button Controls

You can also use the Controller's touch buttons for advanced commands—most commands can be executed by holding buttons, or tapping two buttons at once. Here is a full list of shortcuts:

Return to previously random 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.
Hold the Shuffle button for 3 seconds

Save a Current Scene
This saves the current Scene if it's not already saved. This is most useful for saving Scenes you like when using Shuffle.
Hold the Next Colour Scene button for 3 seconds

Activate White Lighting Mode
Cycle through the following preset white light modes: Warm White (1500K), Reading Light (2700K), Daylight White (4000K).
Tap the Dim & Brighten buttons together once

Activate Power Diagnostic Mode
If you have more than 22 panels connected to your Controller, this enables or disables Power Diagnostic Mode. This mode helps you place additional Power Supplies to optimize your Nanoleaf Elements system.
Hold the dim & brighten buttons together for 5 seconds

Pair a Third-Party App
This opens a 30s window to pair.
Hold the Power button for 3 seconds

Activate Wi-Fi Hotspot Mode
This mode allows your Controller 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 Elements without needing a router or access point.
Hold the Power and Rhythm buttons for 30 seconds

Note

During Wi-Fi Hotspot Mode, your Controller will not be able to download firmware updates. Discover content from the community will also be unavailable.



Touch Actions

Touch Actions transform each light panel into a smart button, allowing for the most seamless control of your entire smart home. With as little as a single press on a panel, activate HomeKit Scenes to control any or all of your HomeKit products at once. [Learn More](#).



Touch Gestures

Touch Gestures can be used to change brightness and Scenes or turn your Elements on and off. [Learn More](#).



Nanoleaf App

Turn your lighting on and off, control brightness, group lights by home and by room, create and use Scenes, and much [more](#).

Dashboard
Choose an existing Scene or create your own (Static, Dynamic, Rhythm, Group, Layered). You can also use the Paint Tool to paint panels individually.

Explore
Find helpful information including tutorials, new device features, integrations, and learn about other Nanoleaf products, etc.

Discover
Find and download new Scenes created by the Nanoleaf community.

Schedules
Automate your Scenes to turn on or off.



Nanoleaf Desktop App

With the Nanoleaf Desktop App, you can control your Elements from a web browser on your computer. Create and download new Scenes right from your computer, and try Screen Mirror feature. The Desktop App was designed to simplify the management of larger installations and offer control of many different layouts at once.

[DOWNLOAD DESKTOP APP](#)



Voice Control

You can easily control your Elements by voice in a few different ways. In the Nanoleaf App, make sure to name your panels with something simple.

Hey Siri...
"Turn [Device Name] on/off."
"Set [Device Name] to 10% brightness."
"Brighten/dim the lights."
"Brighten/dim the lights to [%]."
"Set [Scene Name]."
"Set [Device Name] to [Scene Name]"
"Set [Device Name] to [Color]."

Okay Google...
"Turn on [Device Name or Scene Name]."
"Turn on/off the lights in [Room Name]."
"Turn on/off all my lights."
"Turn off [Device Name]."
"Brighten/dim [Device Name]."
"Brighten/dim the lights in [Room Name]."
"Brighten/dim all my lights."
"Set [Device Name] to [%]."
"Set [Device Name] to [Color]."

Alexa...
"Turn on [Device Name or Scene Name]."
"Turn off [Device Name]."
"Brighten/dim [Device Name]."
"Set [Device Name] to [%] brightness."
"Set [Device Name] to [Color]."



Nanoleaf Open API

A local network API designed to extend your product experience. Integrate your setup with third party devices and services and enable more granular control of the hardware.

[SIGN IN](#)

Reset



Video tutorial for reset options

Reset

This will reset the Wi-Fi and all saved pairing configurations. Your saved scenes will remain.

1. Press and hold the Power and brighten buttons together on the Controller for 15 seconds.
2. Let go once the Status LED starts flashing.
3. Wait for the Power button LED to remain on and steady.
4. On the Nanoleaf App, delete the previous device and re-pair it again.

Common Solutions



“I moved or changed my Wi-Fi network.”

Try a Wi-Fi Settings Reset

This will allow you to connect your Elements to a new Wi-Fi network.

1. Plug your Elements in to a power source.
2. With the Power and the Brighten buttons on the Controller, press and alternate between them 5 times (10 presses total).
3. The Status LED will become a solid white.



“My Elements are paired but unreachable.”

Try to Toggle your Wi-Fi

On your phone, toggle the Wi-Fi off, then on again.

Try to Power Cycle your Controller

Unplug your Controller from power, then plug it back in.

Try to Power Cycle your Router

Unplug your Router from power, then plug it back in.

Try to [Reset](#)



“I am not able to pair my Elements.”

Check your Router Settings

1. Are you connected to a 2.4 GHz network? 5 GHz networks are not supported.
2. Ensure multicast, IGMP, UPnP (if available) are enabled on your router settings.

Try to [Reset](#)



“I don't see my Elements in the App for setup.”

Wi-Fi Troubleshooting

Plug your PSU into power. The Power button on the Controller will light up after 1 minute.

If your Status LED is **Solid White**, means your Elements are ready to connect to your network.

1. Make sure your mobile device Wi-Fi is on.
2. Move your mobile device closer to your panels.
3. Toggle the Wi-Fi on your mobile device off, then on.

If your Status LED is **Flashing**, means Your Wi-Fi is configured, but the panels cannot connect to the target network.

1. Power Cycle your router (unplug your router from power, then plug it back in).
2. If your panels are paired on the Nanoleaf App, delete the device and re-pair them with the Standard Pairing Process.

If your Status LED is **Unlit**, means Your Wi-Fi is configured and connected to your router.

1. Make sure your mobile device is on the same network.
2. Toggle the Wi-Fi on your mobile device off, then on.

Placement Tips

The following tips can help your Nanoleaf Elements achieve the best wireless range & network reception.

1. Place your Elements in an open area where there are less obstructions, such as large pieces of furniture or walls.
2. Avoid placing your Elements behind furniture or inside cabinets.
3. Don't place your Elements in areas surrounded by metal surfaces on three or more sides. This can cause signal issues.
4. Try to place your Elements at least 25 feet (8 metres) away from any microwave oven, 2.4 GHz cordless phone, Wi-Fi devices, or other source of interference.
5. Place your Elements as close to your Wi-Fi home router as possible. For best performance, keep the distance below 65 feet (20 metres) and have no more than one wall in between.

Large Installations (22+ Panels)

Each standard 42W PSU supports up to 22 Elements panels (2W per panel). Each Controller supports up to 80 panels. Adjust Your Power Supplies for Optimal Performance.

1

Activate Power Diagnostic Mode

If you have more than 22 panels and/or multiple Controllers in your Elements setup, you should try to distribute Power Supplies across your layout evenly. Activating Power Diagnostic Mode will give you tips on where you can place your Power Supplies for optimal performance.

On your Controller, hold the Dim (-) and Brighten (+) buttons down together for 5 seconds.

2

Open the Nanoleaf App

For iOS Devices

1. Open the **MORE** menu.
2. Select **SETTINGS > WARNINGS > Power Limited**

For Android Devices

1. Open the side menu.
2. Select **SETTINGS > WARNINGS > Power Limited**

3

Color-Coded Map

A color-coded map of your panels will appear in the App. The map will automatically update as you connect or move Power Supply Units within your setup.

4

Distribute Power Supply



Green: Connected Power Supply.



Blue: Add more Power Supplies. Connect extra power supplies to these panels.



White: Optional places to connect. If unable to do the above, add Power Supplies to the brightest panels.

PSU Calculator

42W

75W

Make sure you have enough PSUs for your layout. Enter how many Elements panels you have in your layout.

No. of Elements

0

#

You will need 0 PSU(s)

42W: One (1) 42W Power Supply Unit comes with any Nanoleaf Elements Smarter Kit.

75W: For optimal performance, do not use both 42W and 75W Power Supplies in the same Nanoleaf setup.



Do you have enough Power Supply Unit (PSUs) for your layout?

Each standard 42W PSU supports up to 21 Elements (2W per panel). Each Controller supports up to 80 Elements. The Controller and PSU can be connected to any panel.

Need more power?

SHOP NOW

FAQs

1

Whats the difference between Elements Hexagons and Shapes Hexagons?

Both Hexagons are the same size, but with different finish and optics. Elements emit cool to warm white light, and do not have RGB capabilities. The corners on Elements panels can each illuminate individually to create an organic sense of motion, whereas for Shapes the entire panel is illuminated at the same time.

2

Can I connect Elements with Shapes?

Yes, both Elements and Shapes are designed with Connect+ technology, that allows you to connect them together in one layout. We recommend to use Elements linkers to connect Elements to Shapes. Please note, that you cannot connect Elements with Rhythm Light Panels or Canvas.

3

Where can I buy the Elements in my country?

We ship internationally to most countries from shop.nanoleaf.me. If your country is not available for shipping, check out our [Retail Store Locator](#) to find where our products are available near you.

4

Are Elements touch-reactive? Do they sync to music?

Yes, Elements react to your touch, so you can control your lights and interact with them in that way. And yes, Elements react to sound and music with the built-in Rhythm function.