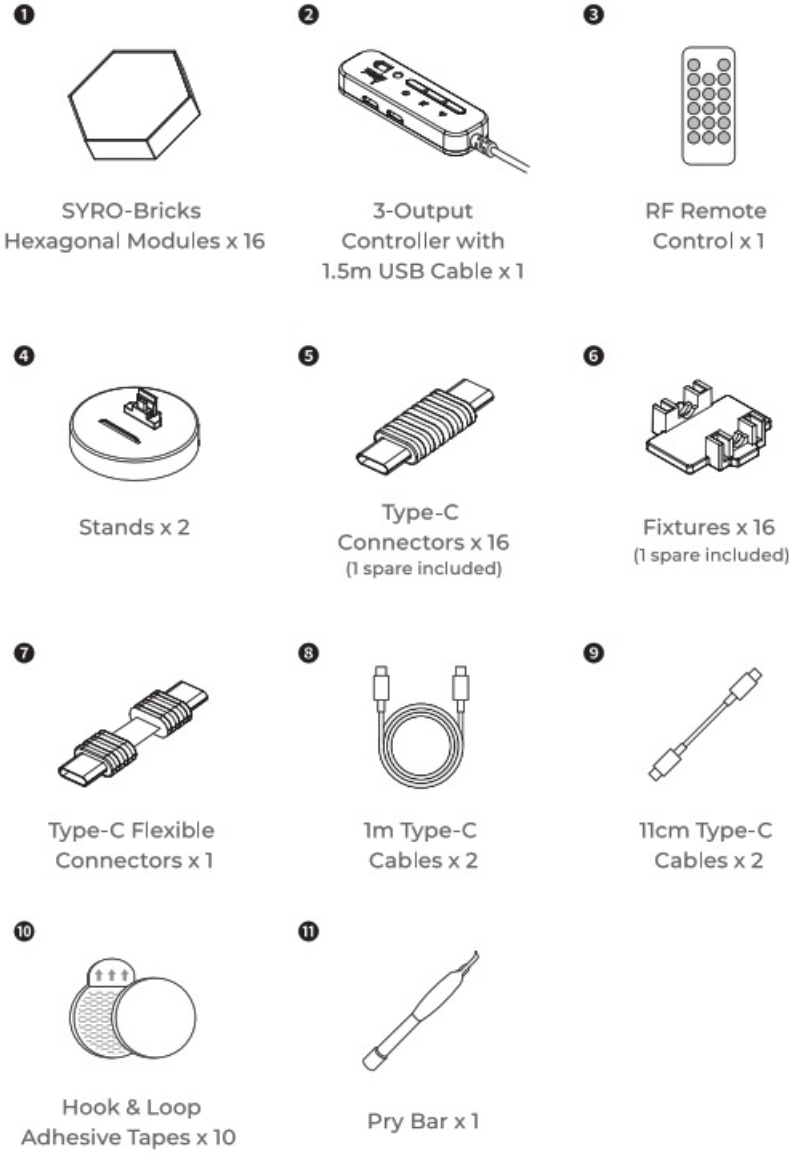
LinkedSparx Syro-Bricks Hexagonal Modules User Manual

More Pieces, More Fun
Syro-Bricks Hexagonal Modules
User Manual

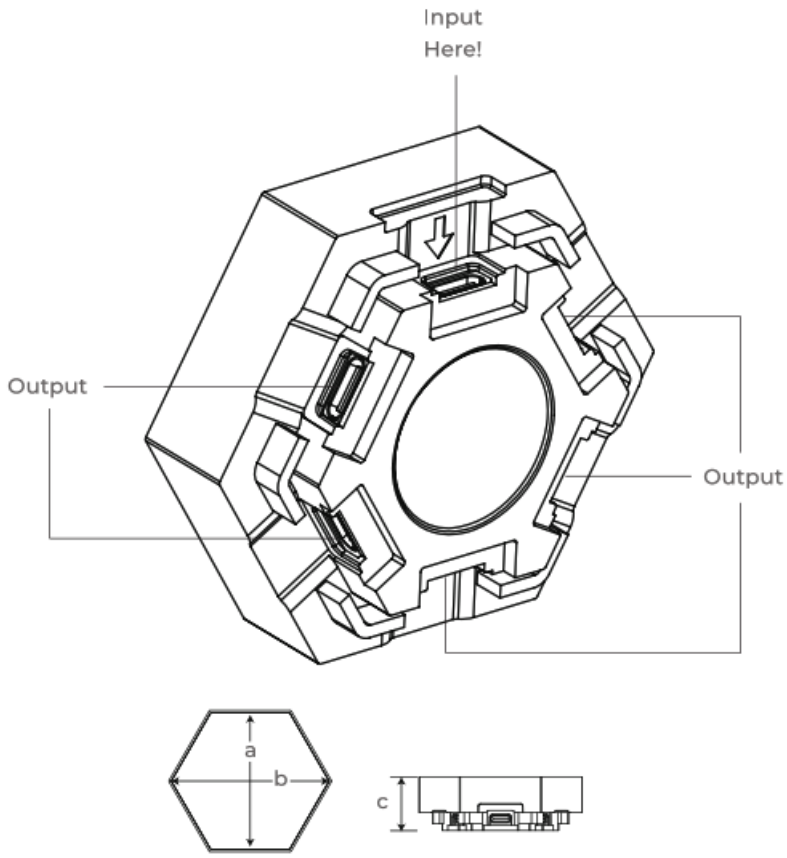
Contents

What's in the Box?



The power adapter is NOT included in the kit. You can use a standard SV USB charger or a power bank. An output of SV 1~2A is recommended.

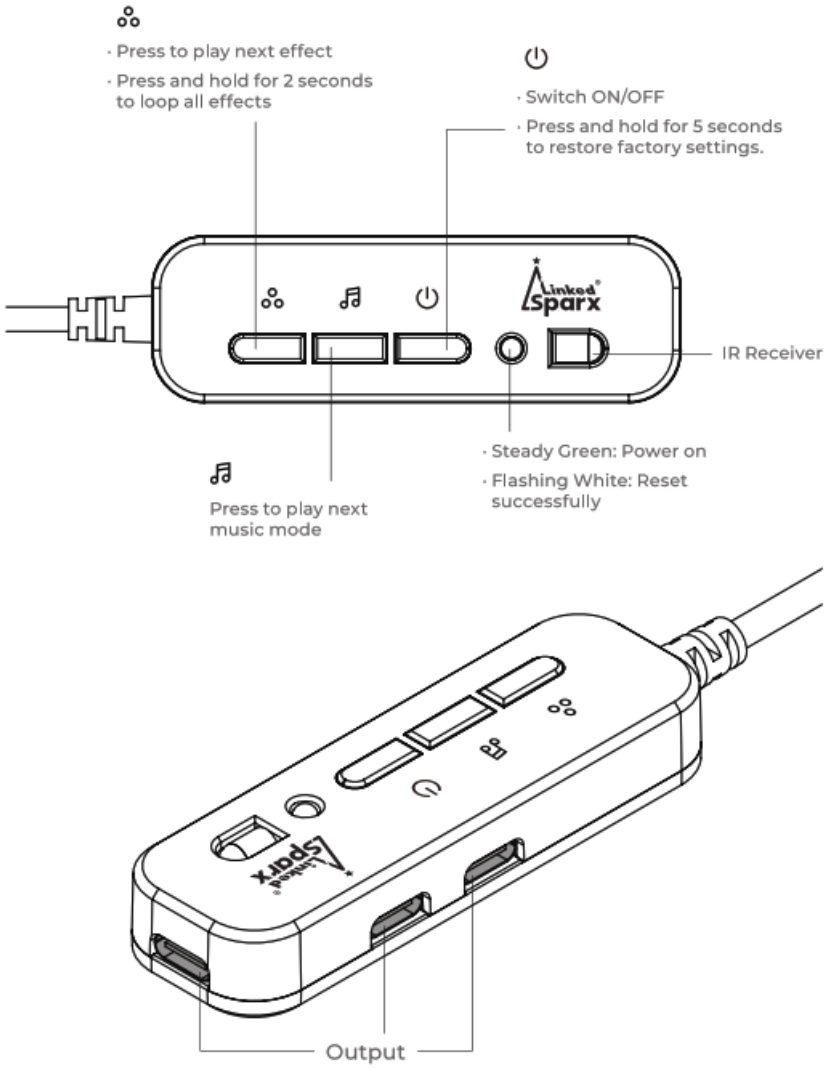
SYRO-Bricks Hexagonal Modules



Module Dimensions	
a	6.29cm /2.48in
b	7.25cm I 2.85in
C	2.4cm / 0.94in

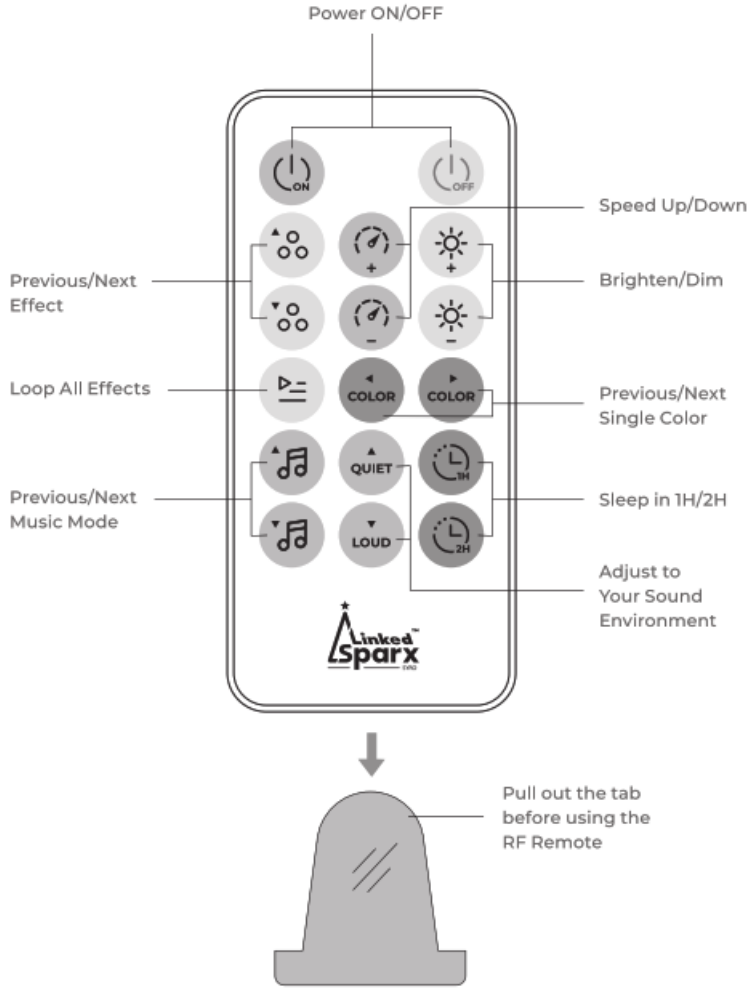
Working Voltage: SV/2A
Material: Polycarbonate
Operating Temperature: -5~45°C
Life Span: More than 20,000 hours

Controller


· Press to play next effect
· Press and hold for 2 seconds to loop all effects
· Switch ON/OFF
· Press and hold for 5 seconds to restore factory settings.
IR Receiver
· Steady Green: Power on
· Flashing White: Reset successfully
Press to play next music mode

Output

RF Remote



App Download

Please scan the QR code to download the ‘LEDSMART’ App.

Download on the App Store	GE G
https://apps.apple.com/app/led-smart/id1290019246	https://play.google.com/store/app

This application requires iOS 10.0 or later/ Android 4.4 or later.

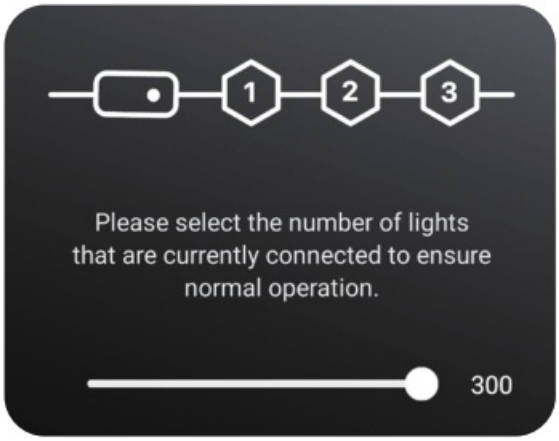
1. Download and install the “LEDSMART” App.
2. Go to ‘Settings’ of your mobile device and turn on BT.
3. App automatically searches and lists all available SYO devices nearby. Select your device to connect, then you can fully control SYRO-Bricks.

Generally, you can control up to 5 devices simultaneously.
This may vary from different phones.

The user interfaces provided above are for reference only, and might be different from the latest version of the App.

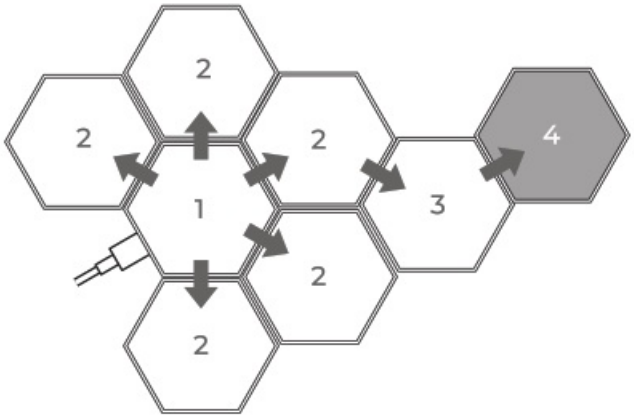
Online Guide
For more detailed features about the App, please visit www.linkedsparx.com/syro-app

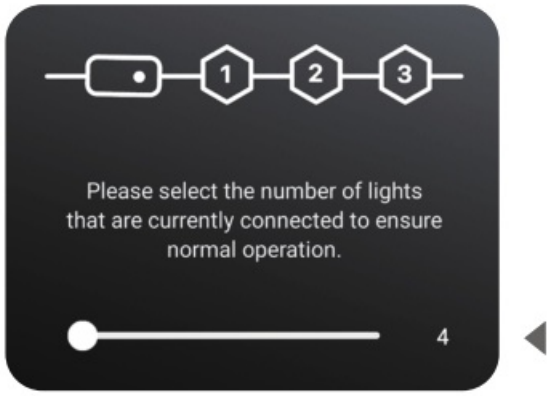
MUST READ Before Installation



To accurately perform all light effects on your layout, our App lets you decide the sequence number of modules you wish to control or multiply.

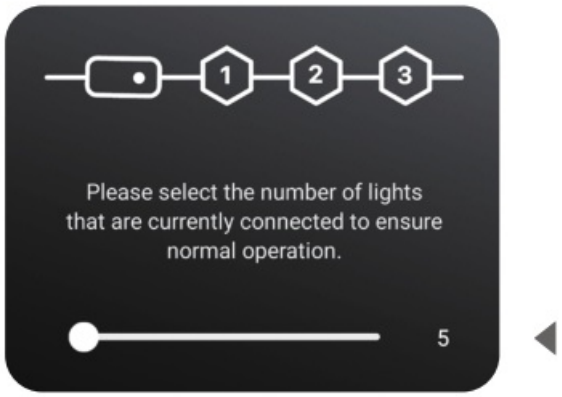
How to count the sequence number of light modules
If you connect 2 or up to 5 modules to the previous module, these newly connected (next-tier) modules will receive the same command from the previous one, therefore display same and synchronized effect.
You need to count the number of modules connected in the longest line.
As you can see from the example below, you should set the sequence number as 4.
The sequence number you set should either be the same or less than the number of all connected modules.



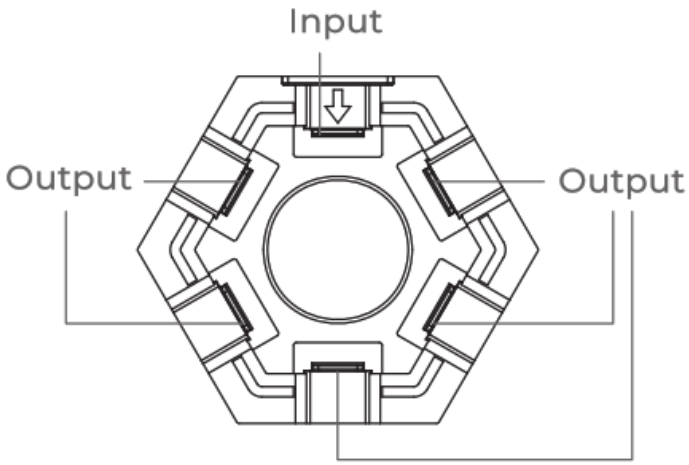


How to multiply light effect

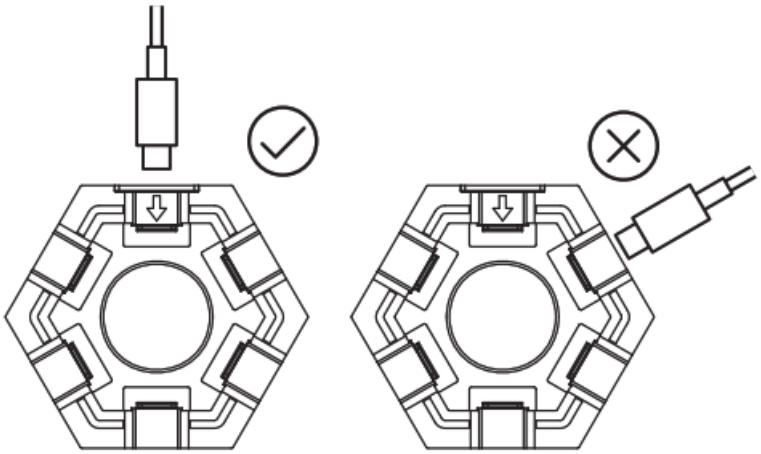
It is also possible to set a small number than your actual setup. The App can automatically duplicate effects for the following segments.
For example, if you have 10 modules connected in a line and and set the number as 5, the 2 segments of modules will play the same effect.



Each hexagonal module has l input and 5 outputs.
You can easily find the input with an arrow ⇓mark on it.

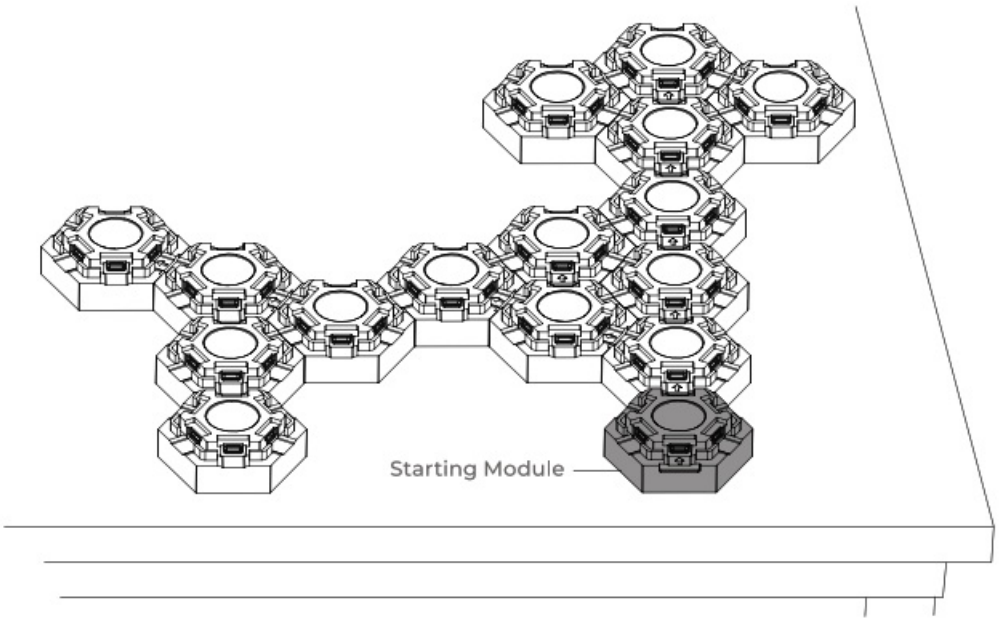


Please always plug the power + signal incoming source into the input. Be aware that improper connections could cause malfunction, such as modules not lighting up or
uncontrollable.



How to Create Your Own SYRO-Bricks Layout

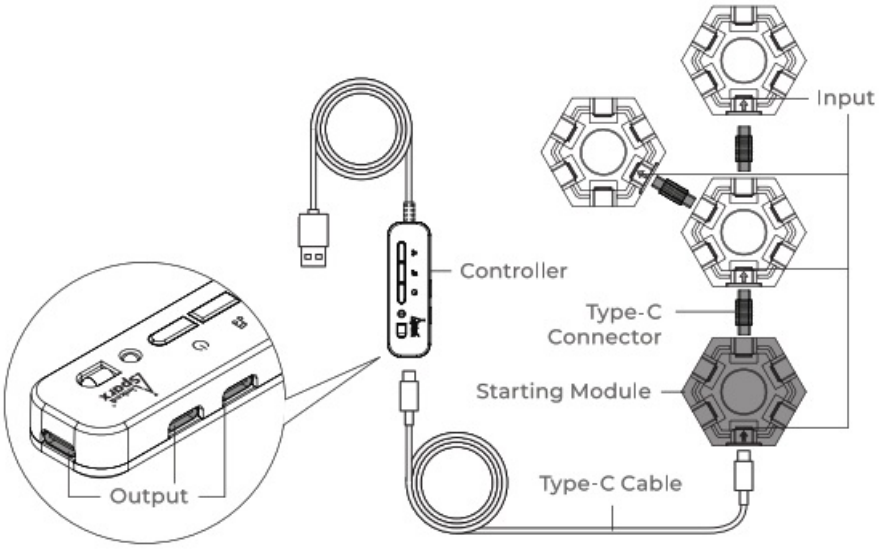
1. Display on Stands Firstly create your layout on a flat surface and designate a module as the starting module.



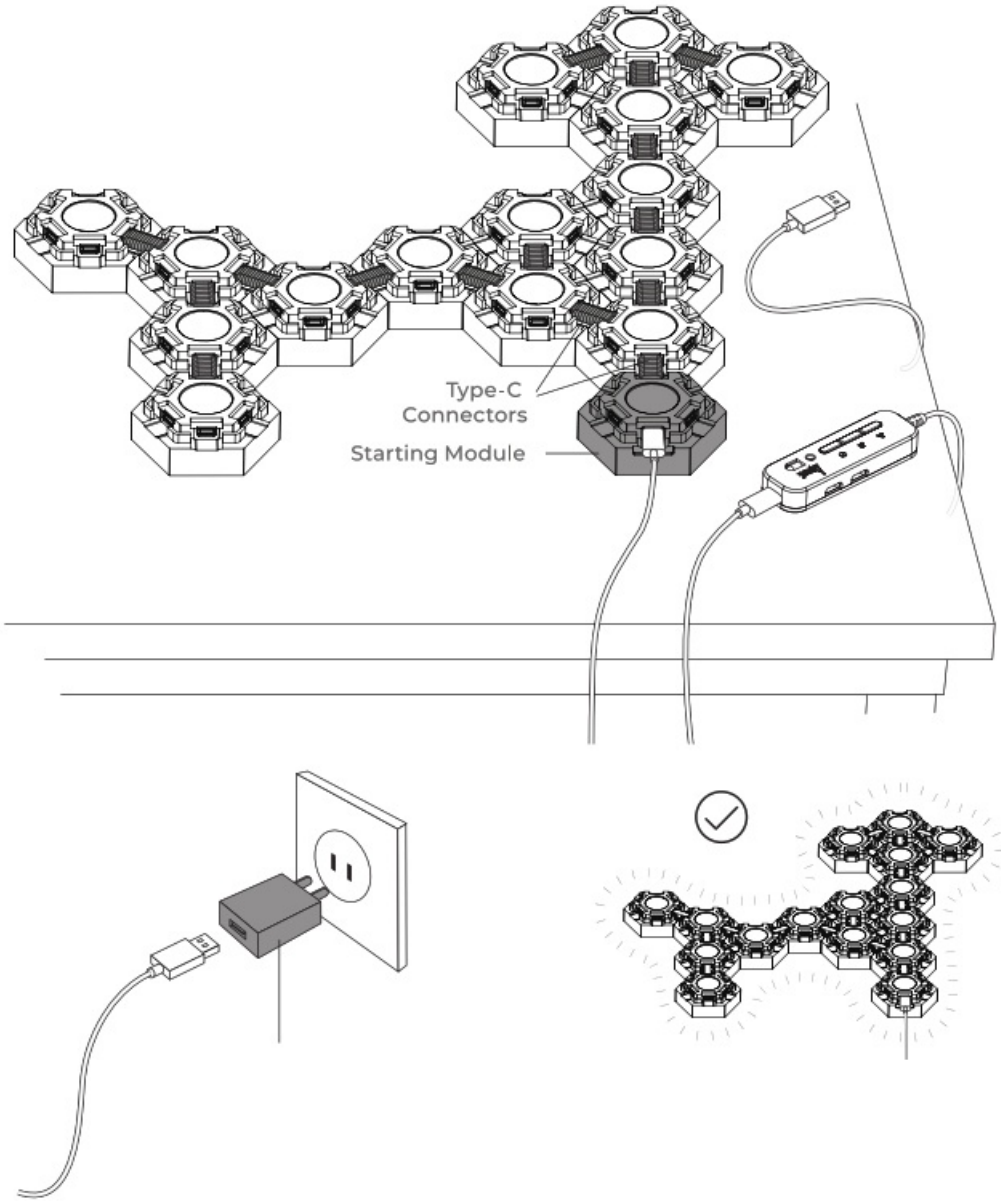
When you are satisfied with your layout, attach connectors between modules.

*There are 16 connectors in the package, I spare included.

Please DO NOT use all of them to form a closed-circuit that may cause malfunctions.



Then use a Type-C cable to connect the controller to the starting module.



SV 2A power adapter or other SV 2A USB power source A power adapter IS NOT included and needs to be prepared by yourself.

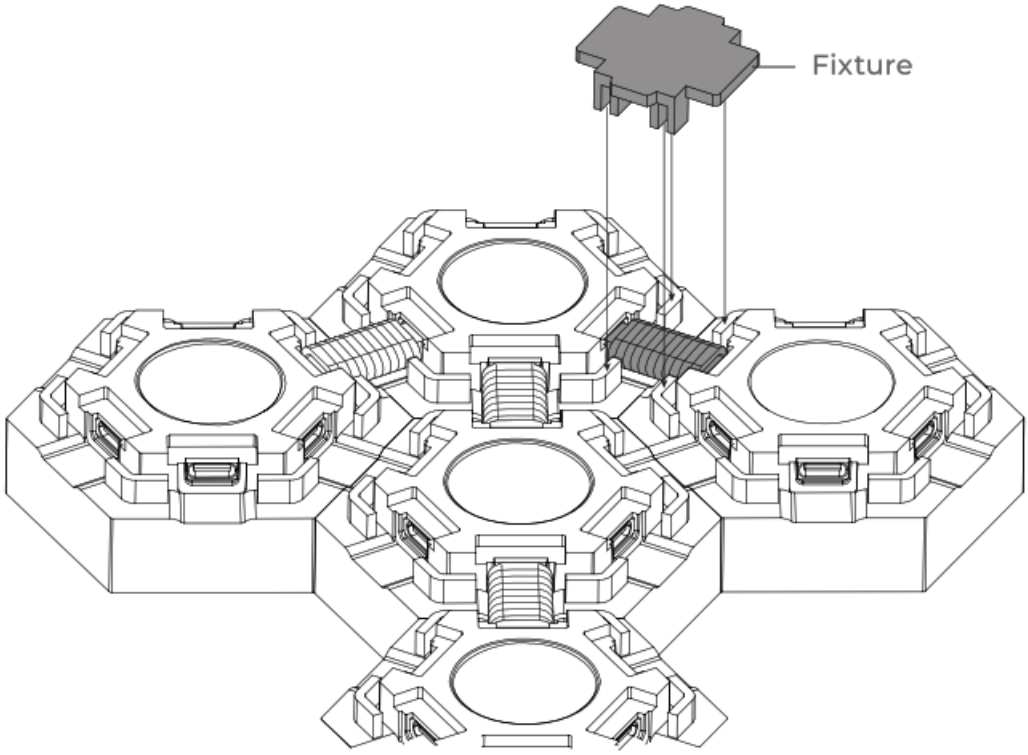
All modules lighting up indicates a correct connection.

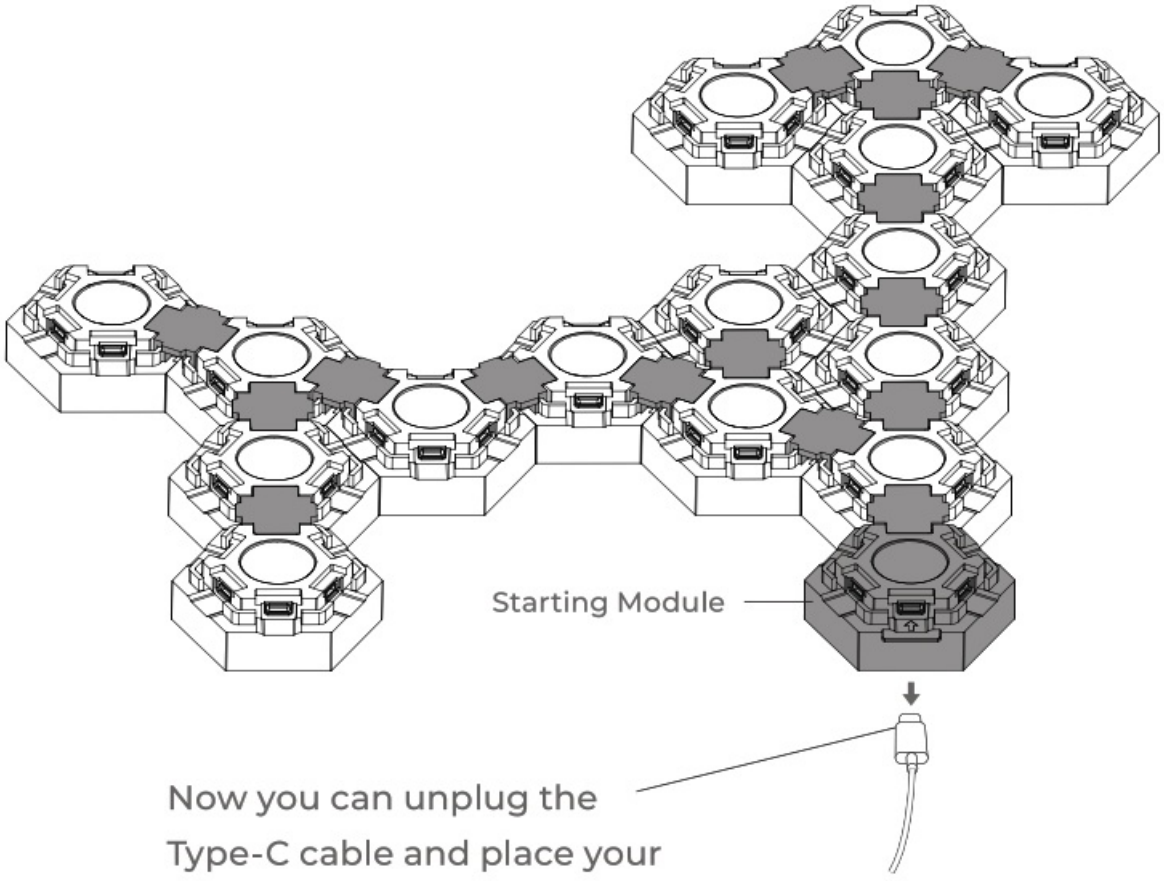
⚠If no modules light up, please check if the controller and the power adapter are connected properly.

⚠If certain modules DO NOT light up, please make sure you connect the input and output between modules correctly.

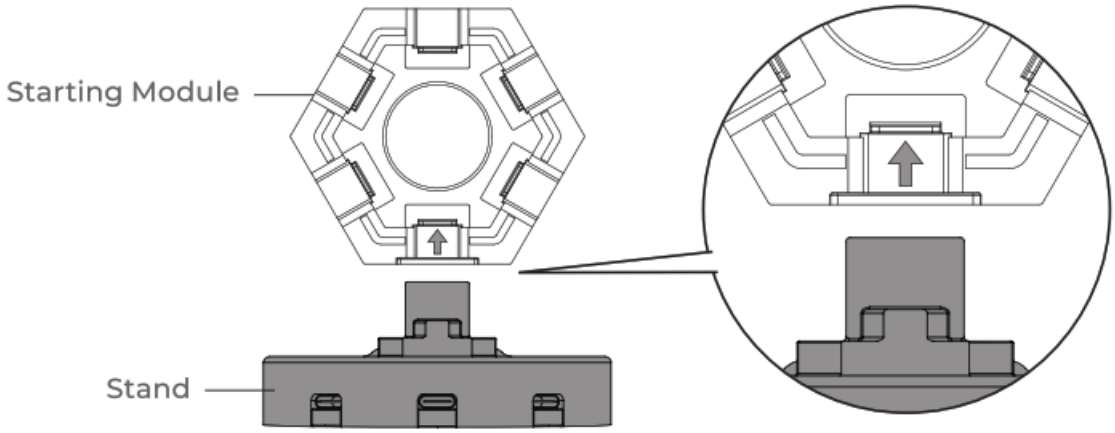
⚠A power supply with 5V 2A output can carry 50 modules.
If you wish to connect more than 50 modules, you can plug a charger or power bank with a Type-C port into any output port of a module to provide extra power supply.
Theoretically speaking, you may extend your layout to up to 300 modules in a single line with enough power supply.

If function normally, you could place fixtures on all connectors to fasten them.
It can prevent connected modules from bending and avoid any damage to the product.

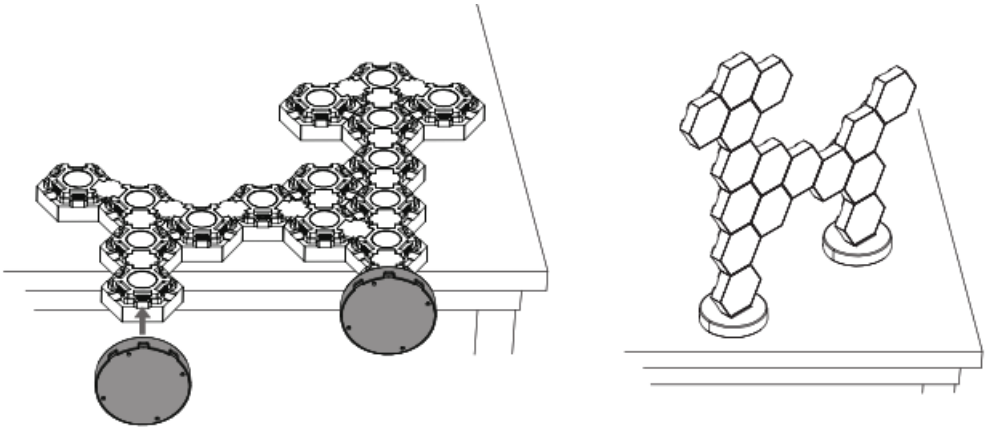




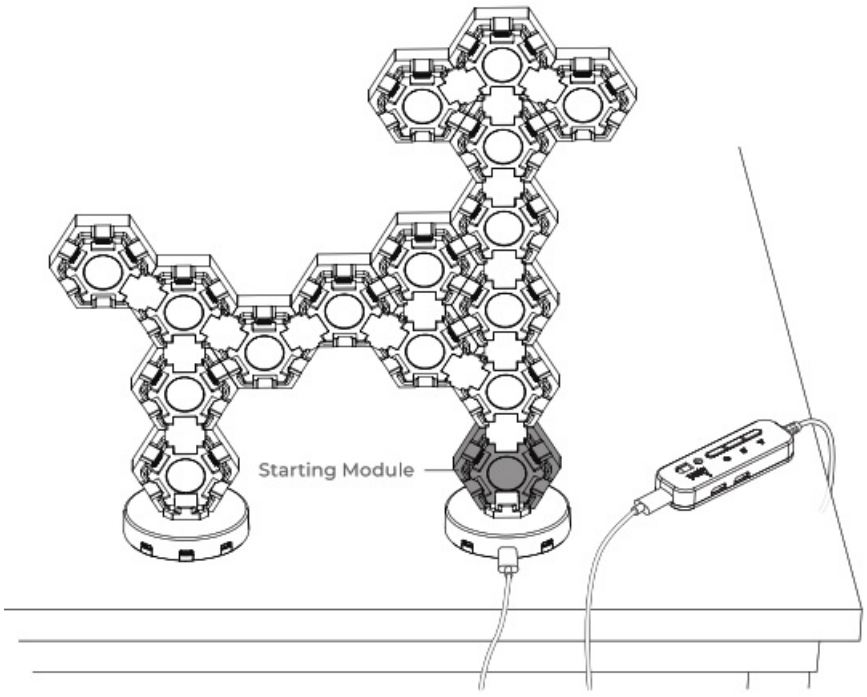
Now you can unplug the Type-C cable and place your layout on the Stand.



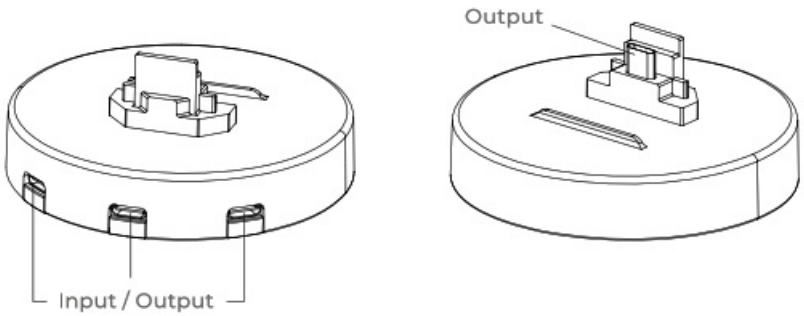
SYRO-Bricks Starter Kit comes with 2 stands. Please make sure the input port of the starting module is facing downwards and plug it into the stand.
It is recommended to move the bottom of your layout to the edge of desktop, and then install the stands.
Plug into the other stand as support, now you can carefully put your creation upright.

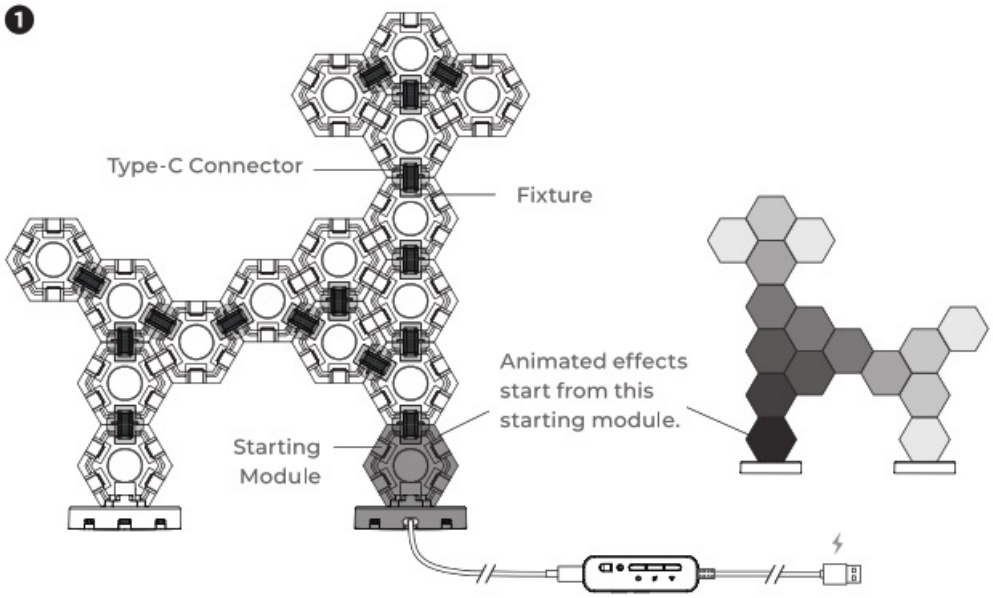


Plug the Type-C cable with controller into any slot of the first stand and power on. You are ready to explore all the cool features of Syro-Bricks!

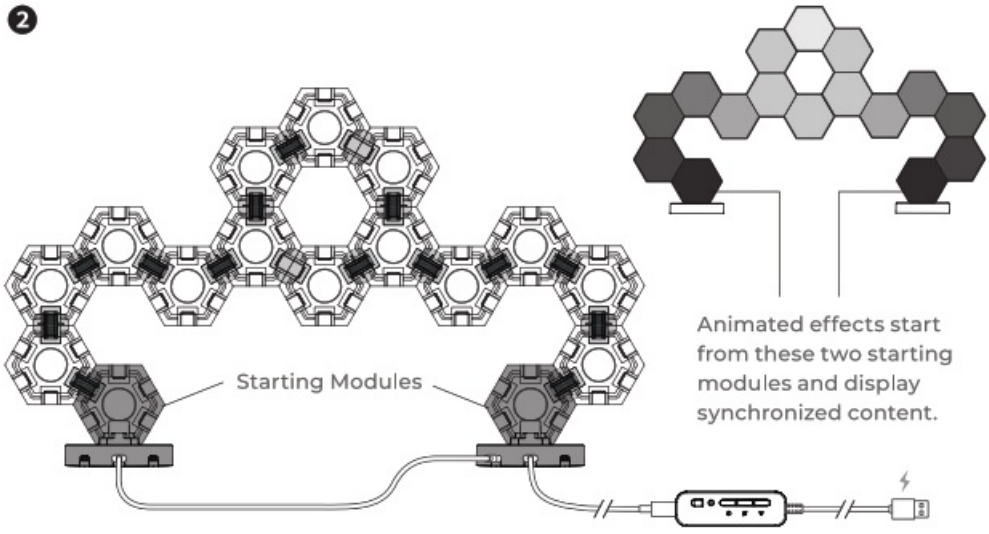


Advanced: 3 Ways of Connecting to Stands

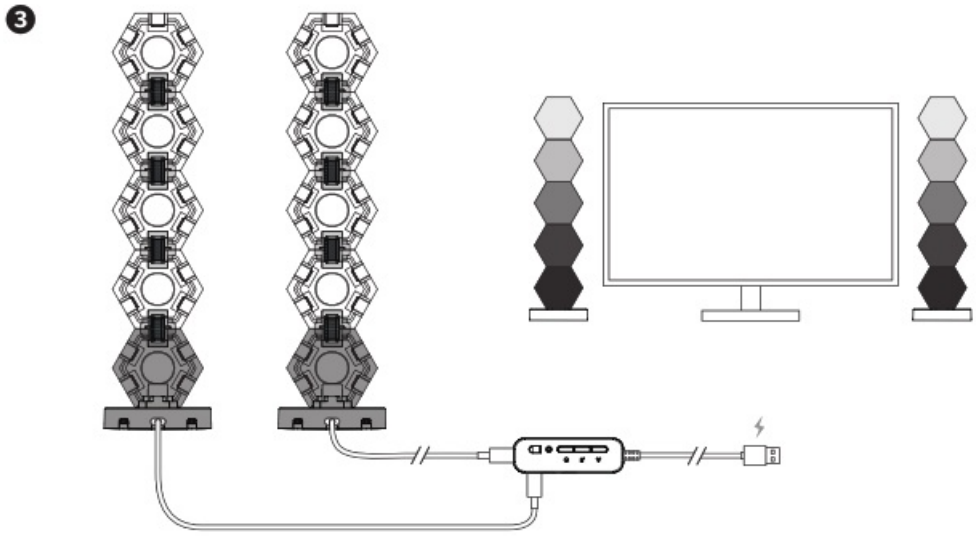




You can use the 20 stand simply as a support. No cable is required to plug into the 2 stand. Just make sure that all light modules are properly connected to the l°stand.



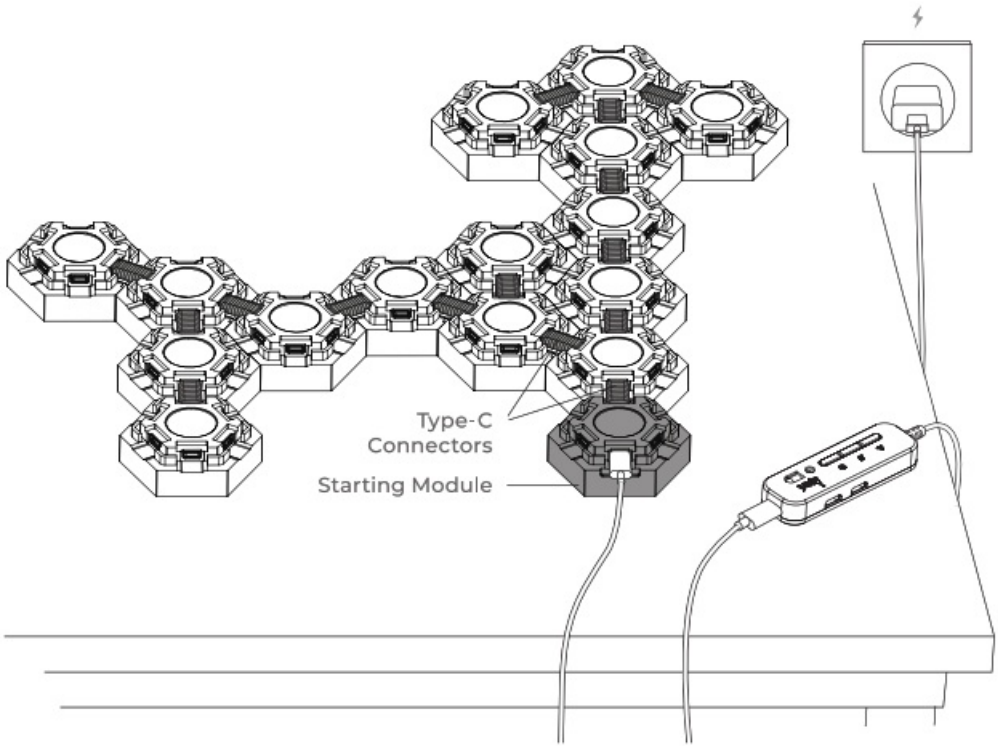
If you wish to create a symmetrical layout, it is recommended to start building from 2 starting modules, and divide all modules into 2 groups.
Link the 2° stands with the additional Type-C cable, then these 2 groups of modules will display synchronized effects.



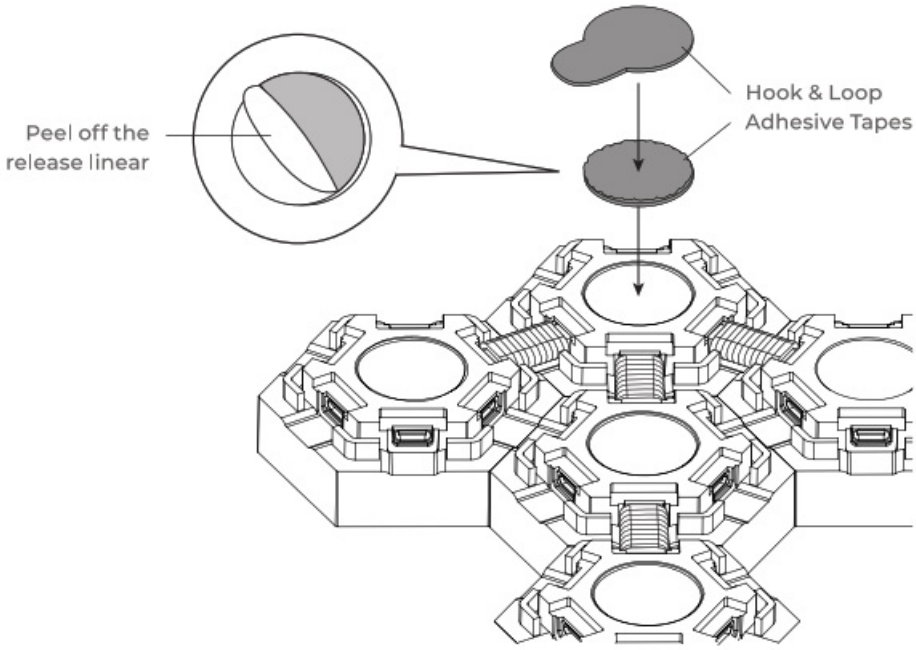
With 3 outputs on the controller, you can also connect the 2 physically independent groups of modules directly to the controller. You will achieve the same synchronized effects as f)

Wall Display

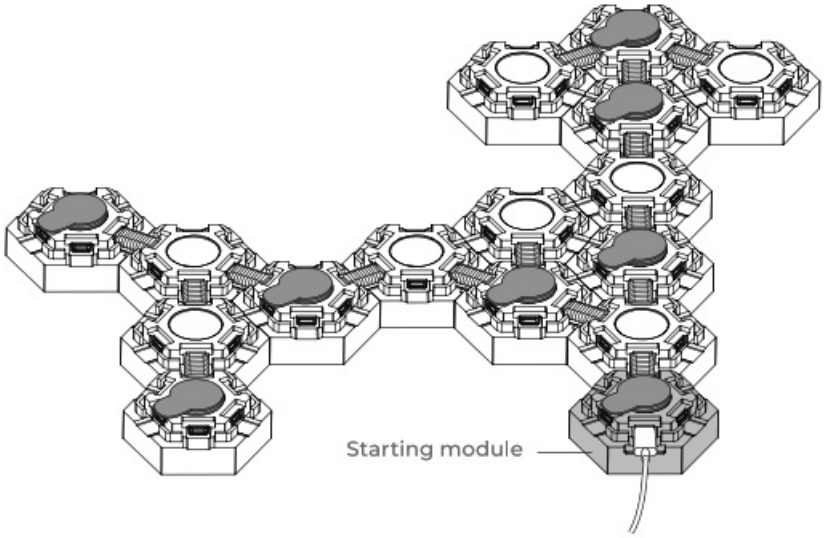
Firstly create your layout on a flat surface and designate a module as the starting module. When you are satisfied with your layout, attach connectors between modules and connect to the controller and power source. Then power on to check if all modules are properly connected.
* Please refer to page 9-10 for detailed steps.



ou won’t be needing any fixtures for wall display.

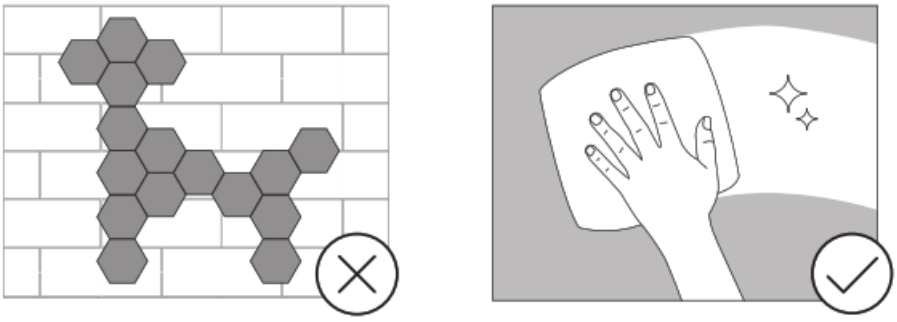


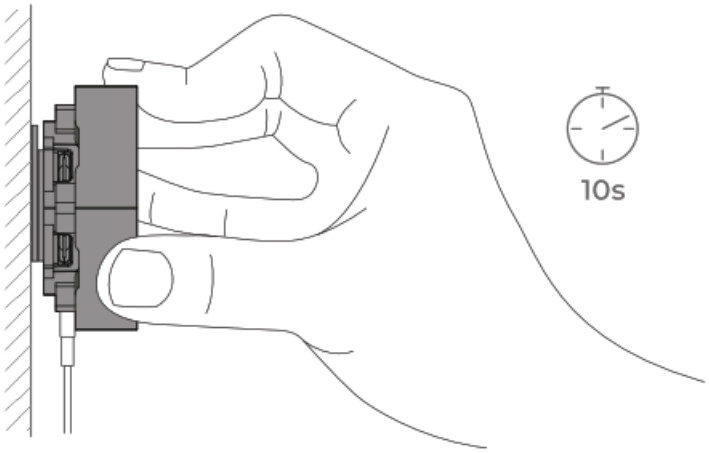
Considering that you might want to change your layout and get it off the wall anytime, we suggest you not put adhesive tapes on the back of every module.



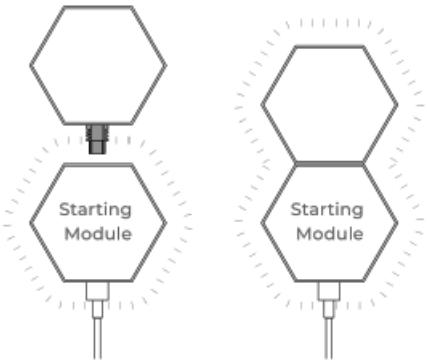
Find the supporting points of your layout and put tapes on these modules.
Every 3 modules should at least have l module with tapes on the back.

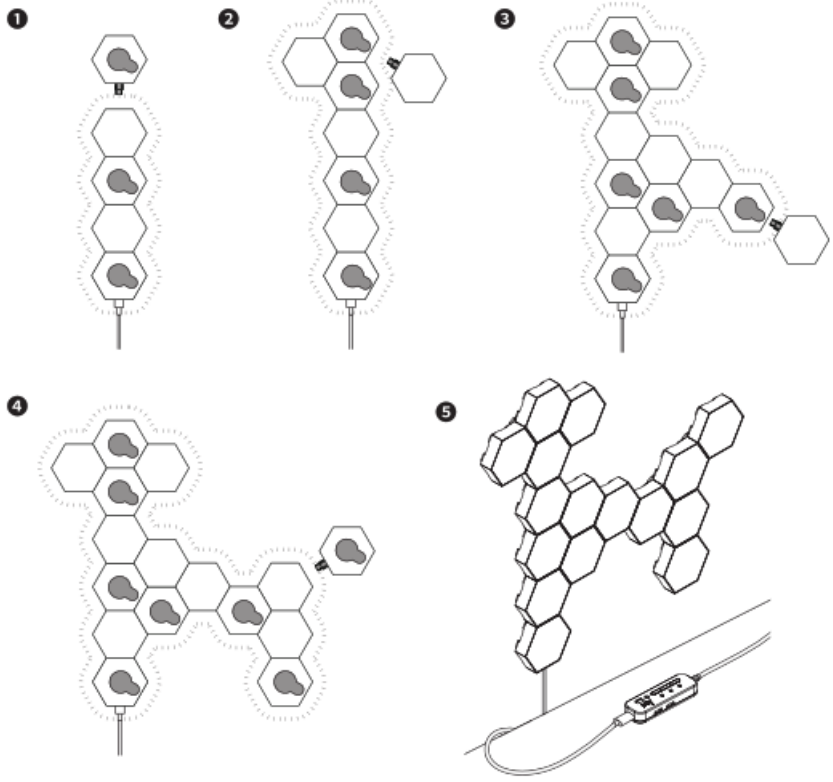
WARNING!
The light modules should be installed on a clean, flat, and smooth surface. The adhesive tape is NOT recommended for wallpaper, brick walls, moist, or dusty walls.





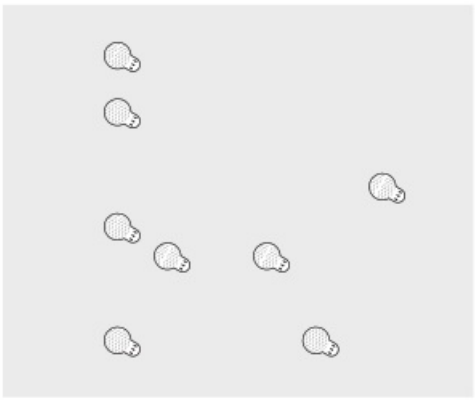
Begin with the starting module with controller while powered on: Peel off the release linear from tape. Position the module on wall, and apply strong pressure to the center for more than 10 seconds to better adhere.
Attach a connector to the next module’s input and peel off the tape linear. Plug it into the previous module and then press it onto the wall.
Make sure that the newly connected module light up and is aligned edge to edge.

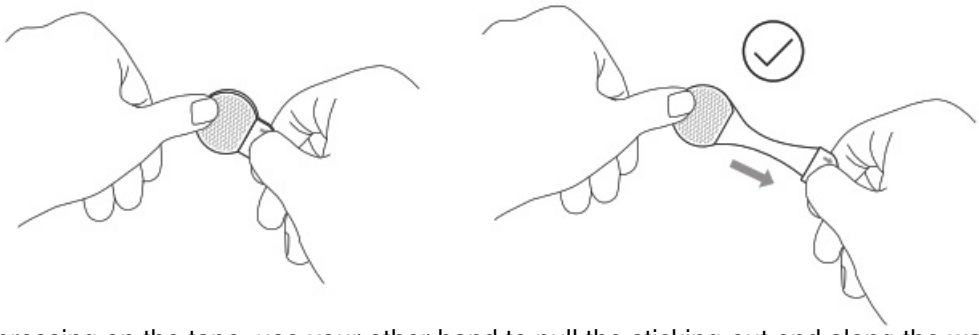




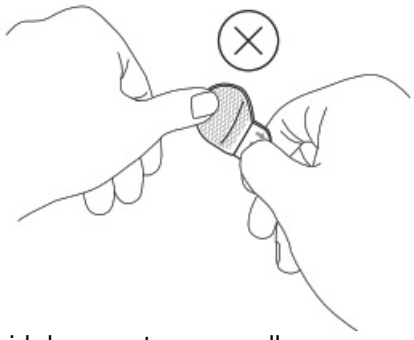
How to Remove Your Layout from Wall

Take off your modules one by one or group by group from the wall.
One side of the hook & loop tape will remain on the wall.





With one hand pressing on the tape, use your other hand to pull the sticking-out end along the wall until it is fully removed.



Do not lift or pull from other angles to avoid damage to your wall.

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

More information on linkedsparx.com
Still need help? Contact us at **support@linkedsparx.com**
Designed and Manufactured by LinkedSparx **www.linkedsparx.com**

LinkedSparx Technology Co., LTD
Made in China

Documents / Resources

	**LinkedSparx Syro-Bricks Hexagonal Modules** [pdf] User Manual LS-B3, LSB3, 2A82TLS-B3, 2A82TLSB3, Syro-Bricks Hexagonal Modules, Syro-Bricks, Hexagonal Modules, Syro-Bricks Modules, Modules