



# LOW-VOLTAGE SMART TRANSFORMER INSTALLATION GUIDE

Model:

**Smart Platform Transformer**

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## **ATTENTION:**

**Please read this installation guide carefully to  
ensure safe and efficient operation of this Power  
Supply**

## SAFETY GUIDELINES

Low voltage installation and maintenance is safe and presents no risk for electric shock injury. However, there are regulations that may apply and that should be followed by installers. The following safety points may or may not be included in these regulations - the installer is responsible for ensuring a compliant installation.

- **WARNING- RISK OF SHOCK.** Install power unit at least 5 feet (1.5m) from pool or spa and at least 10 feet (3.05m) from a fountain.
- **WARNING- install power unit in or on non-combustible materials only.**
- Power supply must be connected (using supplied power cord) to GFCI-protected receptacle with an In-use cover.
- All power supplies are indoor and outdoor rated, but we recommend that the transformer be mounted outdoors. If mounting indoors, check for local electrical codes that may apply.
- Power supply must be mounted in a vertical orientation with the bottom plate at least 1 foot above the ground.
- In hot climates, avoid mounting in direct sunlight. Power unit will get hot regardless of climate. This is normal for operation.

## **WARNING!!!**

**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.

**Warning:** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

RF Exposure Statement

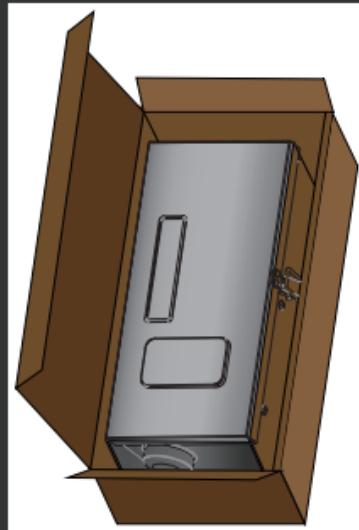
The distance between user and products should be no less than 20cm.

Open the shipping carton and carefully remove the transformer, accessories, and hardware. Inspect contents for any damage that may have occurred during shipping.

## PACKAGE CONTENTS

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- A. (1) Transformer
- B. (1) Hanger
- C. (1) Pin



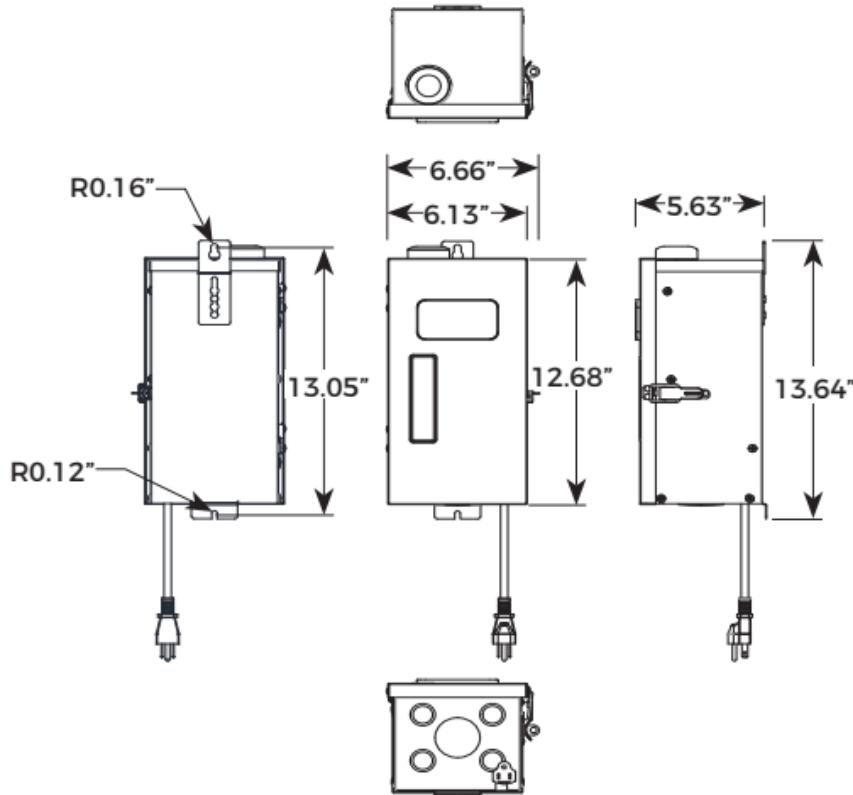
## DETERMINE THE LOAD

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The general capacity should have been determined prior to purchasing the transformer. Circuit loads should not exceed 80% of capacity. As a general rule, total light fixture wattage should not exceed 80% of the transformer capacity. To determine the total wattage, simply add up the wattage of all fixture lamps. This number should be 20% less than the transformer's wattage capacity. If you are over capacity, your installation may require a secondary or larger transformer.

# PRODUCT DIMENSIONS

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## **PARTS REQUIRED (SOLD SEPARATELY)**

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- A. (2) Wall Anchors
- B. (2) Screws

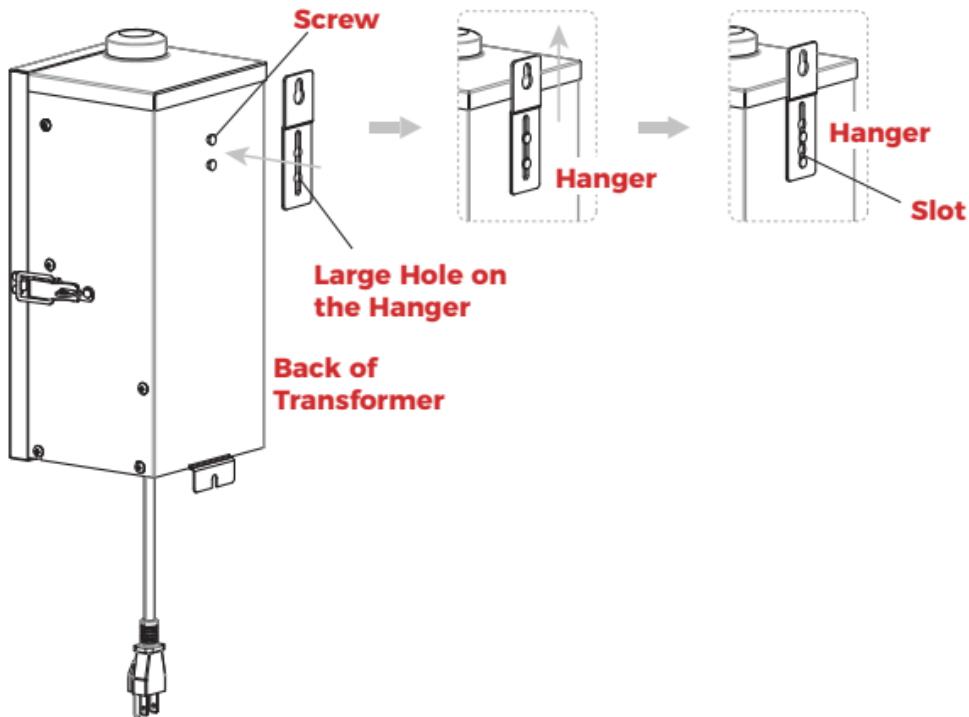
## **START HERE**



## STEP 1 - INSTALL HANGER

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Attach the large holes on the hanger to screws on the back of the transformer and then lift up the hanger to hold screws in the slots.

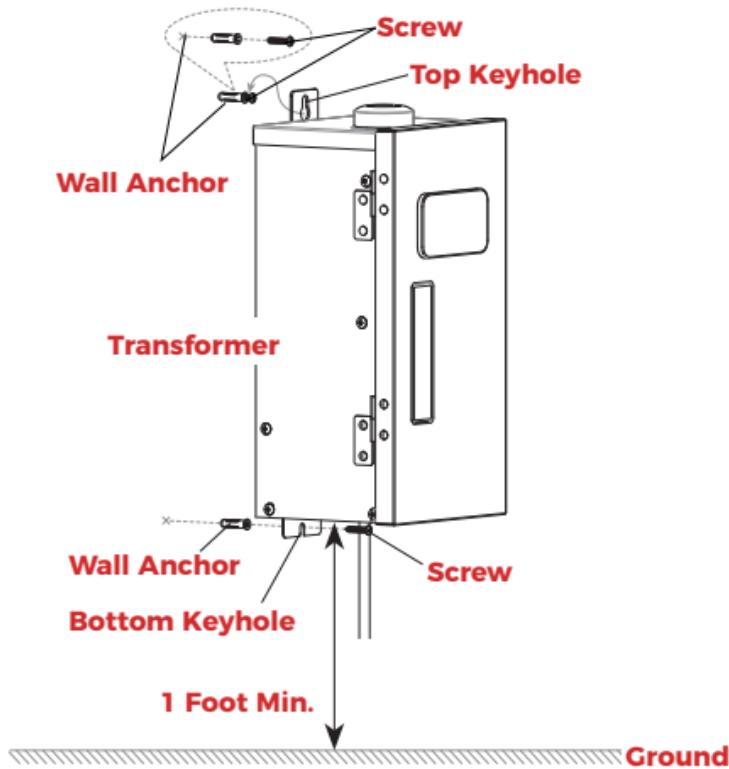


## STEP 2 - MOUNT TRANSFORMER

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Determine the desired location for mounting the transformer. The transformer must be mounted in a vertical orientation with the bottom plate at least 1 foot above the ground. Mark the desired location using the top and bottom keyhole as a guide. Drill holes on the marks and insert the wall anchors.

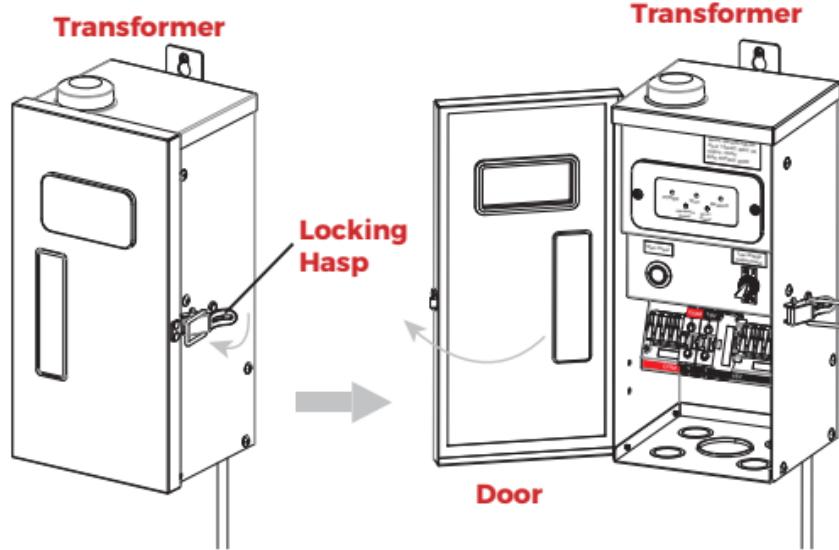
Thread the screw into the top keyhole. Leave enough of the screw out so that the transformer can hang on it. Hang the top keyhole onto the screw, then place a screw through the bottom keyhole. Secure both the bottom and top screw using a screwdriver.



## STEP 3 - OPEN THE DOOR

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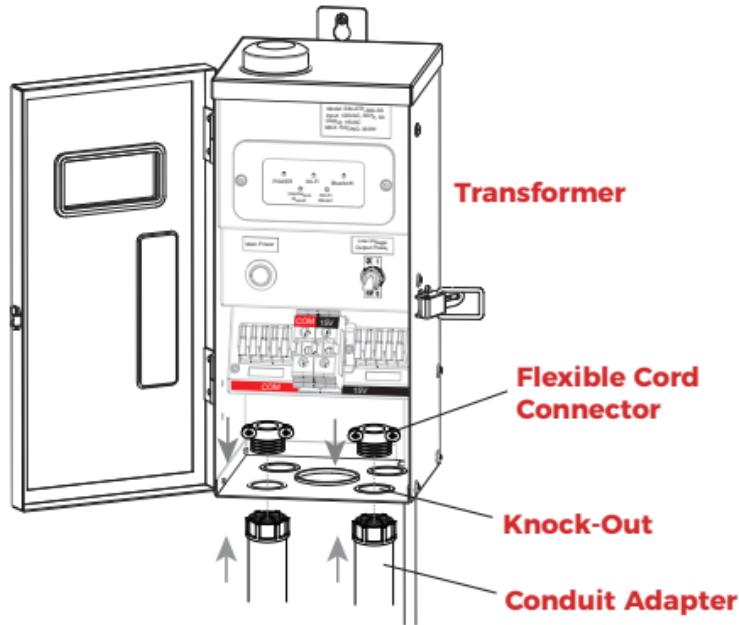
Release the locking hasp on the transformer to open the door.



## STEP 4 - INSTALL CONDUIT ADAPTER

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Remove the knock-out on the bottom of the transformer. Install the conduit adapter and flexible cord connector to the transformer.

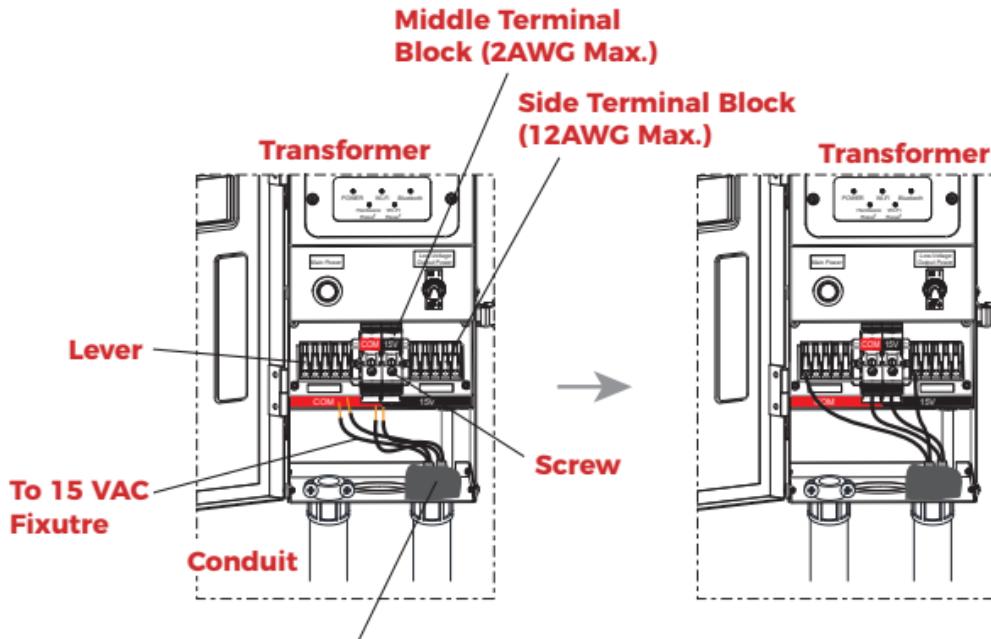


## STEP 5 - WIRING FIXTURE WIRES

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Pass fixture supply cables through one conduit and insert them into the transformer. Strip both ends of each supply wires. The supply wires can be connected to either side terminal blocks or middle terminal blocks.

1. Connect maximum 12AWG supply wires to side terminal blocks:  
Open the lever and insert one of the fixture wire into the COM block and the other wire from the same fixture into the 15V block. Close the levers to lock the inserted wires into place.
2. Connect maximum 2AWG supply wires to middle terminal blocks:  
By using a screwdriver, loosen the screws on the middle terminal blocks and insert one of the fixture wire into the COM block and the other wire from the same fixture into the 15V block. Tighten the screws until the insert wires are locked into place.

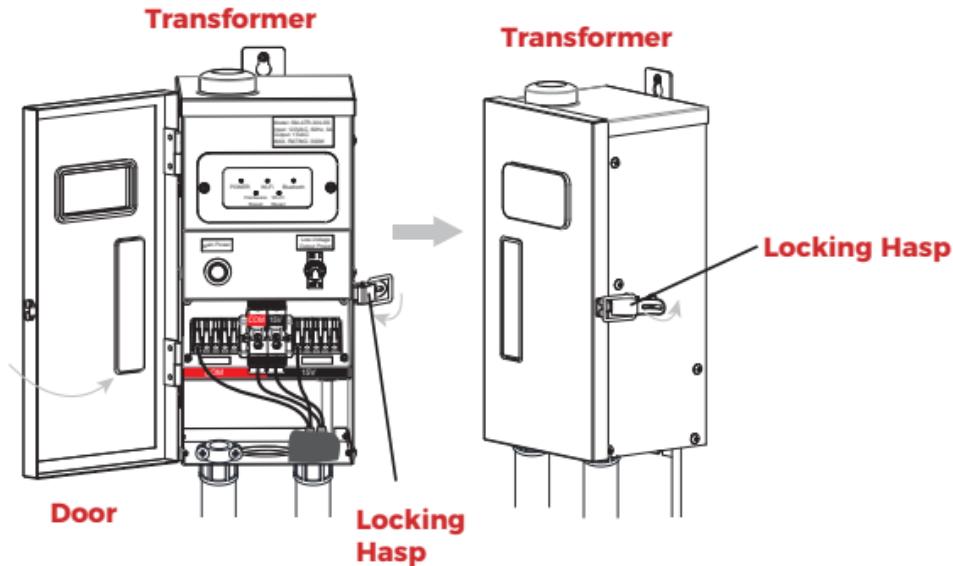


**Apply Duct Seal to  
seal against moisture**

## STEP 6 - CLOSE THE DOOR

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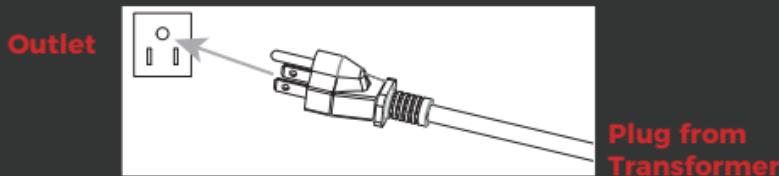
Close the door and lock it by using the locking hasp.



## STEP 7 - CONNECT TO OUTLET

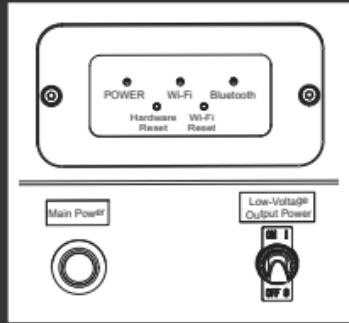
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Insert the plug from the transformer into the outlet.



## INDICATORS / BUTTONS DESCRIPTIONS

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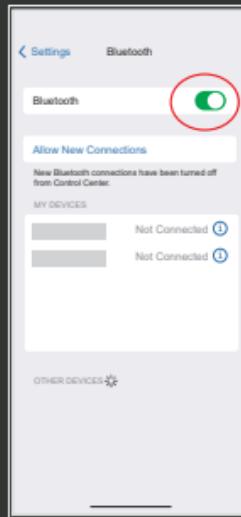


On the right, there is a table for indicators / buttons descriptions.

No.	Indicator/ Button	Description
1		<p>Power Indication Light (Green)</p> <ul style="list-style-type: none"> <li>- ON: Power is ON.</li> <li>- OFF: No power. Check connection.</li> </ul>
2		<p>Wi-Fi Indication Light (Green)</p> <ul style="list-style-type: none"> <li>- FLASH: Setup mode.</li> <li>- ON: Connected to Wi-Fi network.</li> <li>- OFF: No Wi-Fi Connection.</li> </ul>
3		<p>Bluetooth Indication Light (Blue)</p> <ul style="list-style-type: none"> <li>- ON: Bluetooth mesh is up and running.</li> <li>- OFF: Bluetooth mesh is not active; transformer is only providing power.</li> </ul>
4		<p>Hardware Reset Button</p> <ul style="list-style-type: none"> <li>- Press and hold for seven (7) seconds to reset Transformer.</li> </ul>
5		<p>Wi-Fi Reset Button</p> <ul style="list-style-type: none"> <li>- Press and release to re-establish Wi-Fi communications.</li> </ul>
6		<p>Main Power</p> <ul style="list-style-type: none"> <li>- Press to turn ON / OFF the transformer.</li> </ul>
7		<p>Low Voltage Output Power (Over-current Protection Switch)</p> <ul style="list-style-type: none"> <li>- This switch should be in the ON position during normal operation. When an over-current condition exists, the switch automatically turns OFF to remove power to the fixtures. After reducing the circuit load appropriately, the switch must be placed in the ON position, and the fixtures will resume normal operation.</li> </ul>

## HOW TO CONNECT TRANSFORMER TO INTERNET?

1. Download and install the APP “AMP iQ” in your smartphone from Google Player Store  or Apple Store .
2. Ensure Bluetooth is enabled on your mobile device.

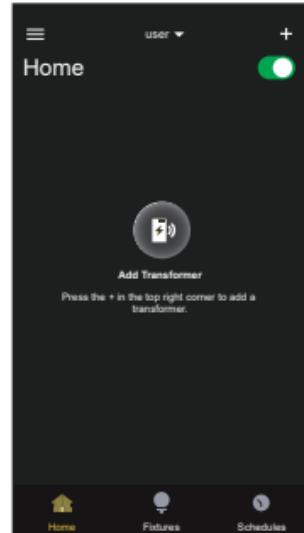


iPhone Bluetooth  
Settings

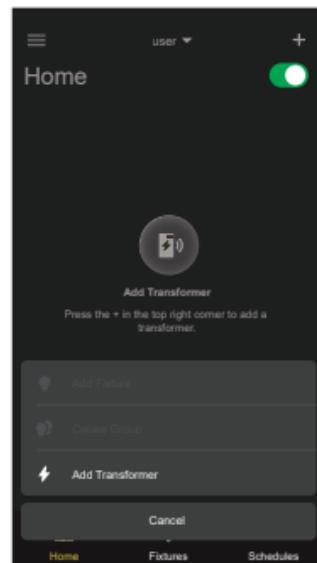


Android Bluetooth  
Settings

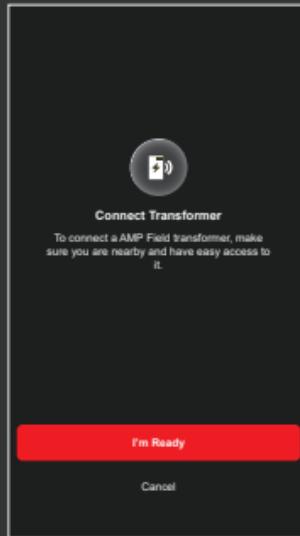
3. Open the APP “AMP iQ”, click “+” on the top right corner.



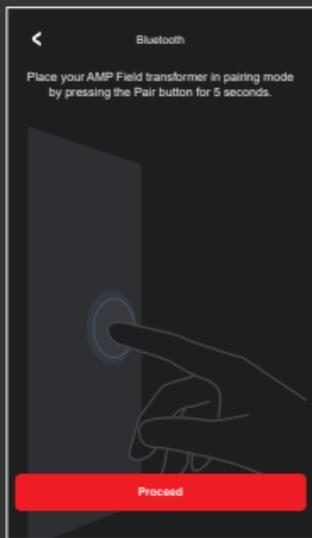
4. Click “Add Transfomer”.



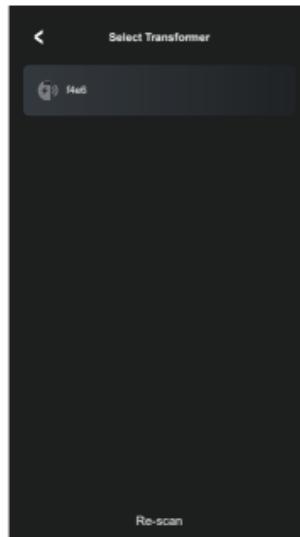
5. Click "I'm Ready".



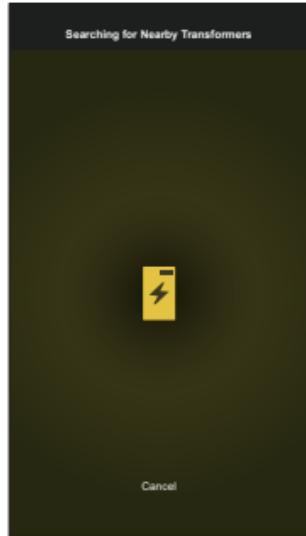
6. Click "Proceed".



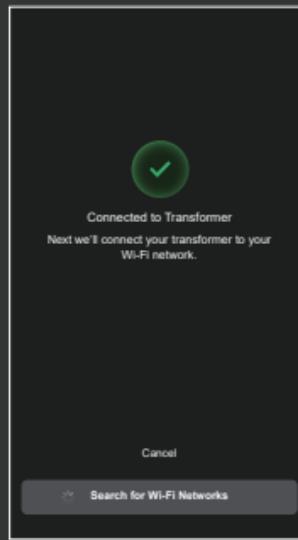
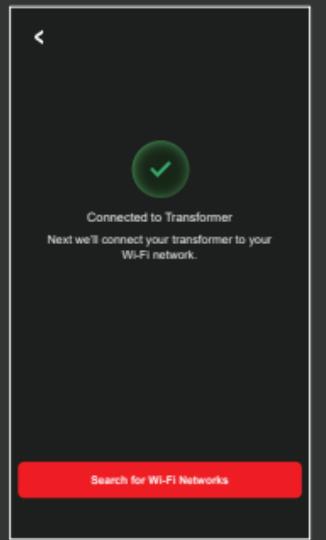
7. The App may take a few seconds to discover the transformer.



8. Select the discovered Transformer and then pair to the bluetooth until it is successfully connected.

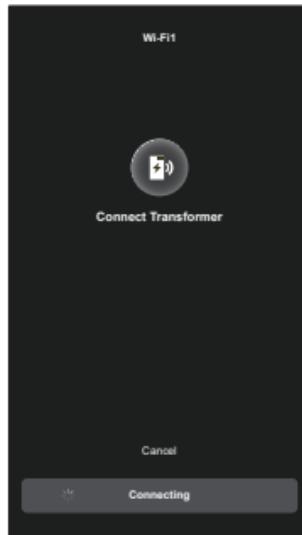


9. Click “Search for Wi-Fi Networks” to find the available Wi-Fi networks nearby.



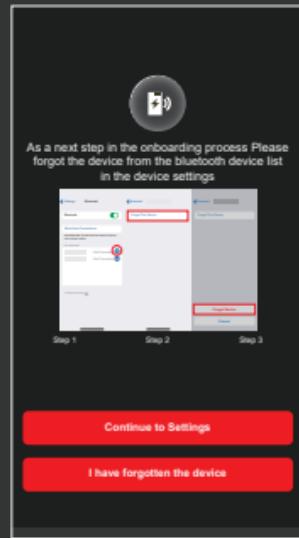
10. Select a network and enter the network password to connect the Transformer. A successful connection may take a few seconds.

\*\*\* Note: The AMP iQ Transformer operates only on 2.4 GHz Wi-Fi networks. \*\*\*



11. Name your transformer with a distinctive name for easy identification later. Click "Save" after entering names.

12. Note: Steps 12 through 15 are for Apple iPhones only. If you are using an Android phone, you may proceed directly to Step 16. iPhone users must manually forget the Transformer from the phone's Bluetooth connections. To do so, press "Continue to Settings". If the Bluetooth Connection to the Transformer has already been forgotten, then click "I have forgotten the device".



Name Your Transformer

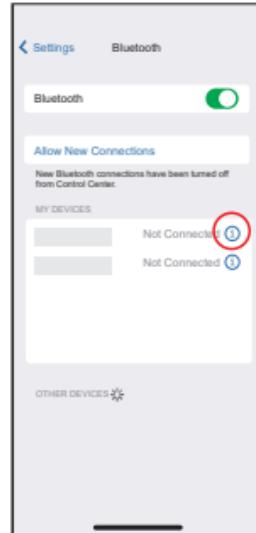
AMP Light-Show1

If using multiple transformers, consider giving each one a distinctive name, such as Front Yard and Back Yard, for easy identification later.

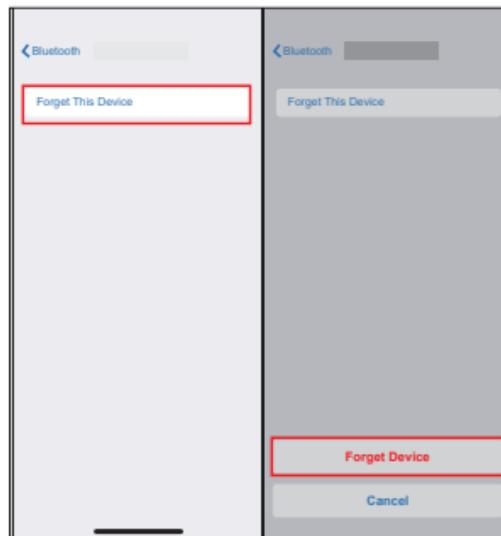
Asia/Shanghai

Save

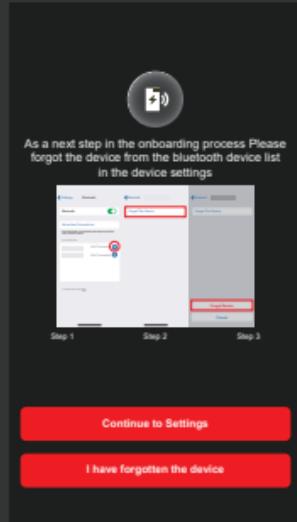
13. In the Bluetooth settings screen of your iPhone, find the Transformer you just connected and click on the blue “i” on the right.



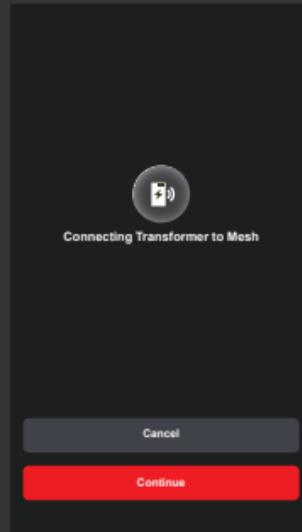
14. Click “Forget This Device” to remove the Transformer from the bluetooth device list.



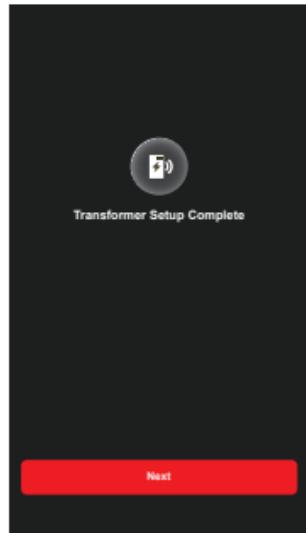
15. Go back to the “AMP iQ” window and click “I have forgotten the device”.



16. Wait a few seconds for the Transformer to connect to the Bluetooth mesh.



17. When the Transformer setup is complete, click “Next” to add fixtures or operate the system.





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**[www.amplighting.com](http://www.amplighting.com)**

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