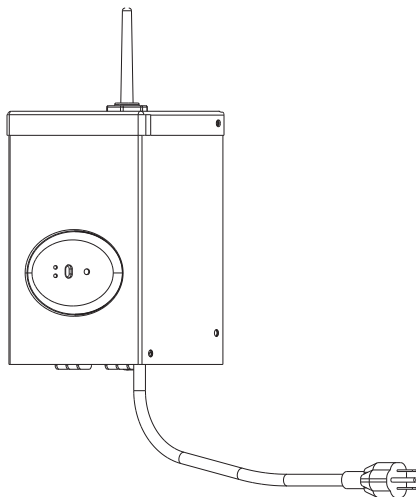




# Wi-Fi Low Voltage Transformer

SKU: HOSL03B2

[Instruction Manual]



Please pay attention to the warning signs  
Read the instructions with caution before operating  
and keep it properly

V20726

**READ ALL INSTRUCTIONS** before using the Wi-Fi Low Voltage Transformer.

**Compatible with 2.4 GHz Wi-Fi networks.**

If you have multiple routers in your home, especially under the same modem and using dynamic IP address mode, please notice the routers with same LAN IP address may cause IP address conflict and make the routers involved cannot access internet. which makes Wi-Fi Low Voltage Transformer cannot be discovered and controlled via internet (like user's cellular data service).

**Status Indicator**

Blinking Light: Ready to connect to Wi-Fi router.  
Light continuously ON: Connection to Wi-Fi router is complete and Wi-Fi Low Voltage Transformer is ready for use via the app.

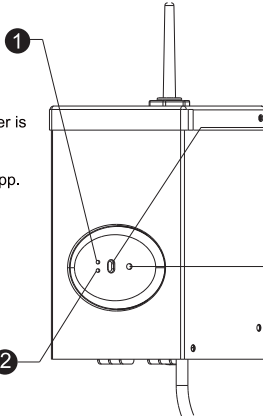
Light OFF: Check your internet connection or review the app FAQ.

**Power Indicator**

**Power Button**

Press this button to manually override the Wi-Fi Low Voltage Transformer and turn the unit ON/OFF.

**Reset Button**



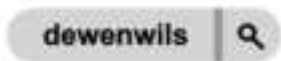
**IMPORTANT:** Please refer to INSTALLATION INSTRUCTION before proceeding with Wi-Fi router connection. Wi-Fi Low Voltage Transformer must be installed before connecting to Wi-Fi router.

**TO CONNECT THE Wi-Fi Low Voltage Transformer TO A WI-FI ROUTER**

**STEP 1: Software Installation**

Download the "dewenwils" App: Scan QR Code or search "dewenwils" in Google Play or the App Store to download and install the app.

Note: All pictures shown are for illustration purpose only, the APP will be updated continuously, please refer to the latest APP interface to operate.



Free APP for android and IOS



## STEP 2: Log in or Sign up



**Note:** Each device can only be connected to one account. If anyone else needs to control it, please share your device via the app.

## STEP 3: Add the Wi-Fi Low Voltage transformer

**Note:** The Wi-Fi Low Voltage transformer only support 2.4GHz network.

| LED Status                  | Function                             |
|-----------------------------|--------------------------------------|
| Red LED is on               | Power is on                          |
| Red LED is off              | Power is off                         |
| Green LED is blinks rapidly | Bluetooth provisioning network       |
| Green LED is blinks slowly  | Hotspot provisioning network         |
| Green LED is on             | Connect to the Internet successfully |

**Note:**

- If the Wi-Fi Low Voltage transformer can't be connected to WiFi, Please press and hold the power button while pressing RESET button until the WiFi signal indicator flashes, then release the two buttons, the data has been cleared. Then remove the sub-device on the app, and re-add the device; or long press the RESET button again to enter the hotspot network and remove the device on the app, then add the device again.
- The Wi-Fi Low Voltage transformer only work with 2.4GHz network. If your router broadcasts both 2.4GHz and 5GHz, please select the 2.4GHz network with the app. If connection still fails), we recommend you call your ISP and had them completely shut off the 5GHz network on the router. You are free to change the network to 5GHz again after connecting.
- Please try to make the Wi-Fi Low Voltage transformer and router as close as possible.

1) Auto Add Mode (Bluetooth Mode)

- Turn on Bluetooth on the smartphone.
- Open the “dewenwils” APP (Figure 1) and click the “+” at the top right list, it will find the Wi-Fi Low Voltage transformer automatically. (Figure 2) Tap “Go to add”, the interface in Figure 3 will appear, click the button to switch to the appropriate WiFi signal source, then type in WiFi password and click “next” to enter the interface in Figure 4. At this time the device is connecting to your home WiFi automatically.



Figure 1



Figure 2



Figure 3



Figure 4

The prompt in Figure 5 will appear after connecting successfully.



Figure 5

- If the Wi-Fi Low Voltage transformer is not automatically discovered, select “Auto Scan” to automatically search for the Wi-Fi Low Voltage transformer. (Figure 6) After clicking “next”, Figure 3 will appear, then type in correct password and click “next”, Figure 7 and Figure 8 will appear in sequence to remind you that the connection is successful.



Figure 6



Figure 7



Figure 8

Note: Automatic connection time of devices varies depending on the strength of WiFi signal, so please do not operate the phone. If the connection fails, please reconnect, or switch to other stronger WiFi signal sources, or keep your phone closer to the device, or connect it by following the Manually Mode below.

## 2) Add Manually Mode

- Click the "+" icon at the right corner and then choose the "Wi-Fi Low Voltage transformer". (Figure 9)

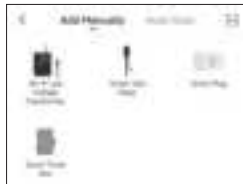


Figure 9

- Follow ①②③ on the app to confirm in turn (in step①), please check the mode on the left side of ⇐ at the top right corner, if it is not "EZ Mode", please switch to "EZ Mode". In step ②, please press and hold the RESET button on the transformer for more than 5 seconds, and release the button when the indicator flashes. In step③, click "Confirm the indicator is blinking rapidly", and click "Next"). As shown in Figure 10 to 12.



Figure 10



Figure 11



Figure 12

- Select 2.4GHz Wi-Fi Network and enter password, then click "NEXT".  
Wait for the connection to complete. (Figure 13)



Figure 13

- Wi-Fi Low Voltage transformer has been added successfully. (Figure 14)



Figure 14



Figure 15



## STEP 4: Set the Function You Need

### 1. Interface Introduction

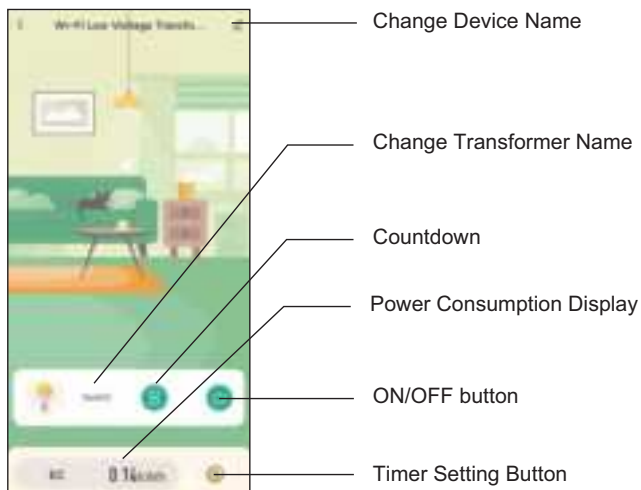


Figure 15

### 2. Timer Function Introduction

Tap "Timer", the interface of Timer Schedule will appear.(Figure 16)

Tap the plus icon to add tasks, including schedule, circulate, and random modes.(Figure 17)



Figure 16

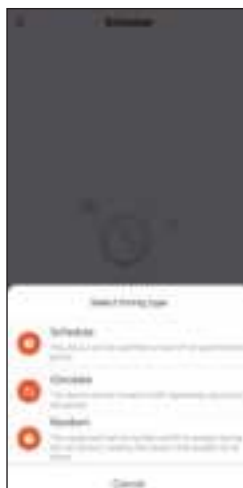


Figure 17

### 3.Schedule

Tap "Schedule" to enter the interface as shown in Figure 18. You can set the Start/End time in a 7-day period with a 1 minute interval according to needs. Every program set before repeats weekly.(Figure 18, 19) Tap "Save" to return and review the overall schedule, (Figure 21).

**Note:** The device can only be turned on and off properly when selecting PerformSwitch as switch.(Figure 20)

**Note:** Please select Perform Action to open or close as needed. (Figure 18, 19)



Figure 18

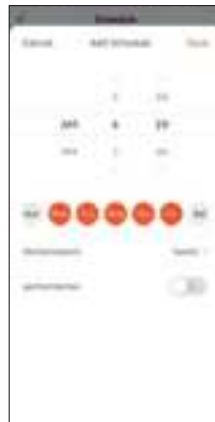


Figure 19



Figure 20



Figure 21

#### 4.Circulate

You can set the duration of each ON and OFF, Start and End time according to your needs. The ON/OFF schedule will repeat between the Start and End time. For example: Set a period from 9:00 AM to 3:00 PM on Monday through Friday, turn on your light for 1 hour , and off for 30 minutes. The outlet will repeat ON/OFF from 9:00 AM to 3:00 PM.(Figure 22, 23)

**Note:**The device can only be turned on and off properly when selecting PerformSwitch as switch. (Figure 20)



Figure 22



Figure 23

#### 5.Random

Either +/-30 minutes than setting ON/OFF time, randomly control device when you are away from home.




Figure 24



Figure 25

## 6.Countdown

Tap "  " to set the hours and minutes, and then tap the "Confirm" button. The Wi-Fi Low Voltage transformer will maintain the current state (on or off) until the end of the countdown. It will exit countdown mode automatically if you turn on/off manually. (Figure 26, 27)

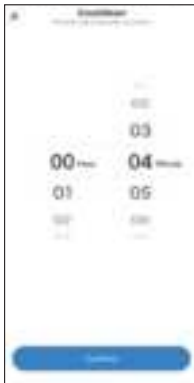


Figure 26



Figure 27

## Work with Amazon Alexa

Easy and Fast Binding of Skills

Option 1: APP to APP (OEM App Redirects to Aleax to Bind)

Discover the corresponding OEM Aleax skills directly in your OEM APP, and easily complete the skill setting and account connection without opening multiple Apps, greatly shortening the user operation path

1. Find "Me" on the home page, tap More Services
2. Tap Aleax
3. Tap Login
4. Tap Link to complete skill binding

Option 2: APP to APP (Aleax Redirects to OEM App to Bind)

Search for the corresponding OEM Aleax skill in Aleax APP and directly redirect to bind your OEM APP, avoiding the failure of skill binding due to incorrect account password input, greatly improving the success rate of configuration.

1. Find corresponding skill in Aleax APP
2. Tap "Agree and link"
3. Complete the skill binding

Note: It is recommended to purchase all the functions together for the best experience (the above illustration are all based on Tuya Smart App)

## Work with Google Home

Preparation

1. Make sure the smart device has been added to the dewenwils App and the device is online.
2. Make sure the Google Home App is installed.

Start

1. Click Me in the bottom right corner, click Google Assistant, click Link with Google Assistant.
2. The App will pull up the Google Home App, click Link.
3. Click agree Link.
4. Wait for it to finish loading, your smart devices will be synced to Google Assistant or Google Home App that can control them. Next, you can assign rooms to your devices in the Google Home App.



**CAUTION:** This landscape light system must be installed in accordance with all local codes and ordinances. If you encounter problems, contact a qualified electrician.

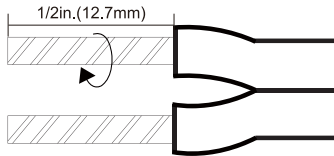
## CALCULATE LIGHTING CAPACITY

The 120 Watt transformer has 120 watt circuits which will power up to 120 watts of light. To make sure the maximum number of fixtures can be safely connected to this transformer, add up the individual wattage of all the fixtures. The total wattage of your fixtures must not exceed output capacity of the 120 Watt transformer.

## INSTALLATION

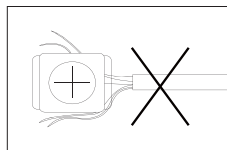
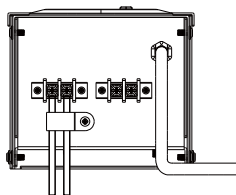
### 1. Prepare the Cable

Be careful when splitting the landscape cable. Do NOT expose the copper cable. Remove 1/2 inch of insulation from both cables and twist the ends.

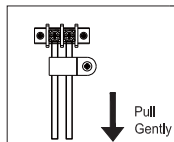


### 2.Connect the cable to the Transformer

Lay the transformer on a flat, stable surface and use screwdriver to connect the stripped ends of the cable under the terminal clamping plate.



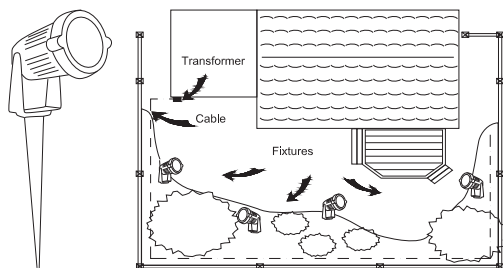
**Note:** Gently pull on the landscape cable to verify if the connection is strong.





### 3. Place Your Fixtures and Route the cable

Lay your fixtures (not included) to your desired location. Be sure they do not exceed the 120-watt rating of the transformer. Coil the rest of the cable after +connecting the last fixture.

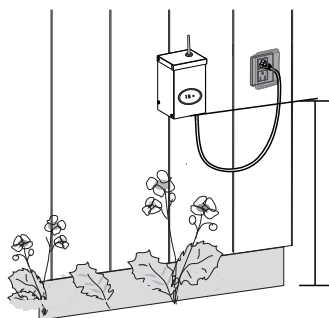


### 4. Attach Your Fixtures

Turn the transformer on. Use the cable connectors to attach your fixtures with the cable. Then it will light up.

### 5. Mount the Transformer

Use the screw to mount the transformer directly on a wall. 12 inch to 48 inch (0.3 m to 1.2 m) high from the ground would be suggested.



## CABLE SELECTION CHART

| 12 VOLT TAP           | Cable Length |                 |                 |
|-----------------------|--------------|-----------------|-----------------|
| Total Fixture Wattage | 0-50 feet    | 51-100 feet     | 100-150 feet    |
| 0-60 Watts            | 16 AWG       | 16 AWG          | 14 AWG          |
| 61-120 Watts          | 16 AWG       | 14 AWG          | 12 AWG          |
| 121-180 Watts         | 14 AWG       | 12 AWG          | Not Recommended |
| 181-240 Watts         | 14 AWG       | 12 AWG          | Not Recommended |
| 241-300 Watts         | 12 AWG       | Not Recommended | Not Recommended |

| 14 VOLT TAP           | Cable Length        |             |                 |
|-----------------------|---------------------|-------------|-----------------|
| Total Fixture Wattage | 0-50 feet           | 51-100 feet | 100-150 feet    |
| 0-60 Watts            | 16 AWG <sup>1</sup> | 16 AWG      | 16 AWG          |
| 61-120 Watts          | 16 AWG <sup>1</sup> | 16 AWG      | 12 AWG          |
| 121-180 Watts         | 14 AWG <sup>1</sup> | 14 AWG      | 12 AWG          |
| 181-240 Watts         | 14 AWG <sup>1</sup> | 14 AWG      | 12 AWG          |
| 241-300 Watts         | 12 AWG <sup>1</sup> | 12 AWG      | Not Recommended |

AWG<sup>1</sup> Not recommended for Halogen Landscape.



NOTE: This data is provided as a general guideline. Actual performance will depend on the installation layout, the fixtures, and the condition of the cable. If the wire diameter you use is thinner than the wire diameter recommended in the table, it may cause the flickering of the end lamps.

## Specifications

Model: TLA-120-12W-1 WI-FI 2nd Gen

Input Voltage: 120VAC, 60Hz

Output: 12VAC

Max Power Rating: 120W

## Package List

- 1 x Low-Voltage Transformer
- 2 x Screws
- 2 x Wall Anchors
- 1 x Instruction Manual

## FCC STATEMENT

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.

Changes or modifications not expressly approved by the party responsible for compliance could void your 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 , 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.

The use distance should be greater than 20cm.

### **One Year Limited Warranty**

Supported by our professional R&D team and QC team, we provide One Year Warranty for materials and workmanship from the purchase date. Please note that the warranty does not cover damage caused by personal misuse or improper installation.

Please attach your Order ID and Name so that our dedicated customer service team can help you better.

