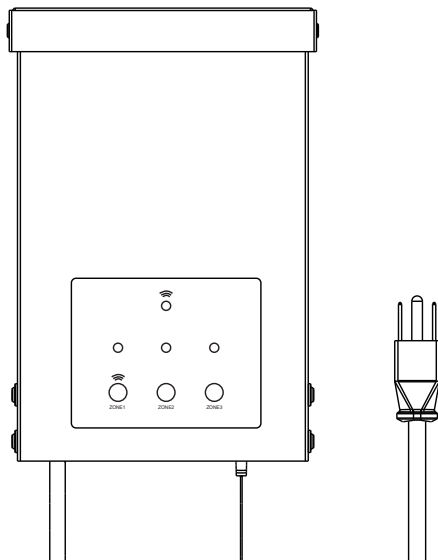




# Low Voltage Transformer

SKU: HWLT05A  
[Instruction Manual]



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

## **WARNING:**

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). Important safety information to reduce risk of fire injury.

1. Do not install within 10 feet (3 m) of a pool, spa or fountain.
2. No serviceable parts inside the power supply unit. DO NOT DISASSEMBLE.
3. Do not repair or tamper with cord or plug.
4. Do not submerge transformer in water.
5. Do not mount the transformer onto combustible material.
6. Do not connect two or more transformers in parallel.
7. Do not use the transformer with a dimmer switch.
8. Plug the power supply unit directly into a GFCI outlet in wet location.
9. For low voltage outdoor landscape lighting system use only
10. The maximum output of this transformer is 120 watts. Do not overload the transformer. Be sure that the total cumulative wattage of all 12 volt fixtures connected to the transformer be equal to or less than 120 watts.

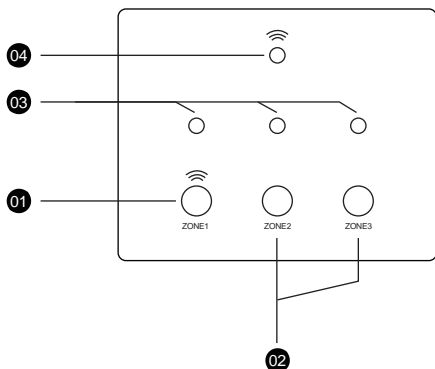
**CAUTION:** This landscape light system must be installed in accordance with all local codes and ordinances. If you encounter problems, contact a qualified electrician.

## **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 Instructions:

**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.



**01** Wi-Fi connection button and Power Button for ZONE 1.

**02** Power Button for ZONE 2 and ZONE 3.

**03** Power Indicator

**04** Status Indicator

Blinking Ligh: Rody to connect to Wi-Fi router.

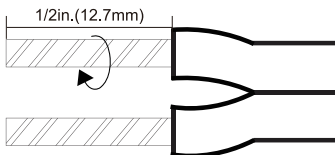
Light continuously ON: Connection to W-Fi router is complete and W-Fi Low Voltage Transformer is rsady for use via the app.

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

## INSTRUCTIONS:

### 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.

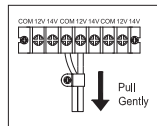
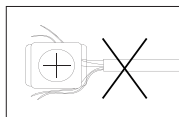
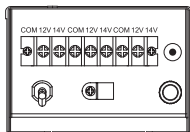


### 2.Connecting the cable to the Transformer

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

Tips: ① Thread your cable through the white plastic loop to reduce its gravity.

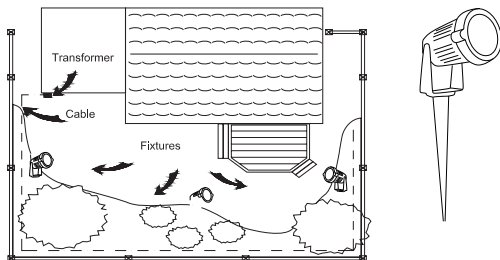
② As the following image shows, there are 3 group wiring ports (COM/12V/14V for each group), you can choose any group of them to connect your cable. For each group, there are 2 terminal output ends- 12V/14V, select the appropriate terminal according to your lamp voltage.



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

### 3. Place Your Fixtures and Rout 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.

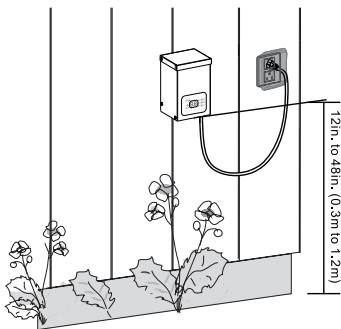


### 4. Attach Your Fixtures

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.

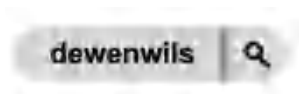


## INSTRUCTIONS:

### 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

#### Log In

  
  
  
  
[Forget Password](#)

#### Register

  
  
  
 I Agree [User Agreement](#) and [Privacy Policy](#)

**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 on	Connect to the Internet successfully

- Please press and hold the power button until the WiFi signal indicator flashes, then release the buttons. Then add the device.
- 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.

#### 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. The prompt in Figure 5 will appear after connecting successfully.
- 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.

**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.



Figure 1



Figure 2



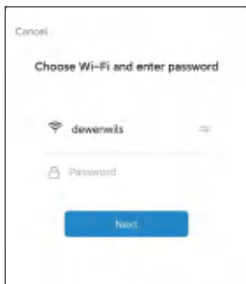


Figure 3



Figure 4

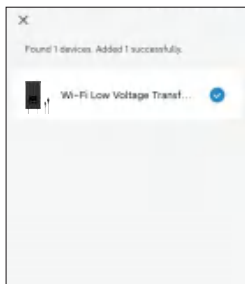


Figure 5



Figure 6

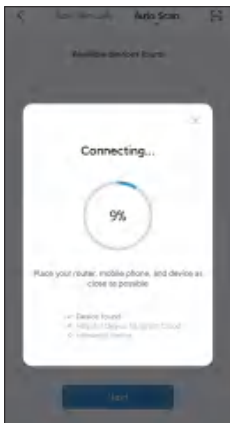


Figure 7



Figure 8

### Add Manually Mode

- Click the "+" icon at the right corner and then choose the " Wi-Fi Low Voltage transformer". (Figure 9)
- 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 step ③, click "Confirm the indicator is blinking rapidly", and click "Next"). As shown in Figure 10 to 12.
- Select 2.4GHz Wi-Fi Network and enter password, then click "NEXT". Wait for the connection to complete. (Figure 13)
- Wi-Fi Low Voltage transformer has been added successfully. (Figure 14)



Figure 9



Figure 10



Figure 11



Figure 12

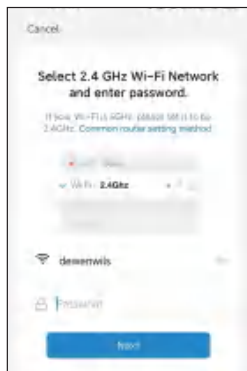


Figure 13

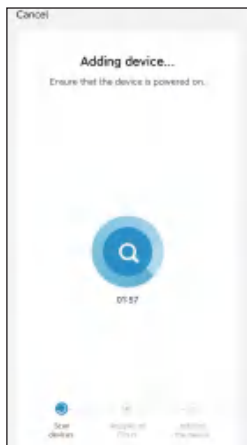


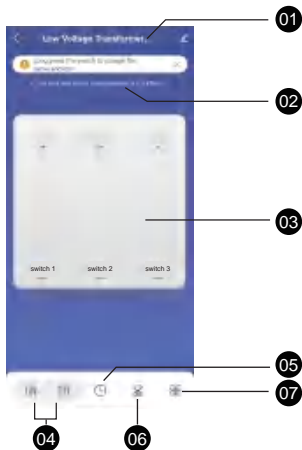
Figure 14



Figure 15

## STEP 4:Set the Function You Need

### 1.Interface Introduction



- 01 Change Device Name
- 02 Power Statistics
- 03 ON/OFF button for each zone
- 04 ON/OFF button for all zone
- 05 Timer Setting Button
- 06 Countdown Button
- 07 Device Switch Records

### 2.Timer Function Introduction

Tap "Timer Setting Button" and " + ", the interface of Timer Schedule will appear.(Figure 16&17)



Figure 16



Figure 17

### 3.Schedule

Tap "Schedule" to enter the interface as shown in Figure 17. 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 19)

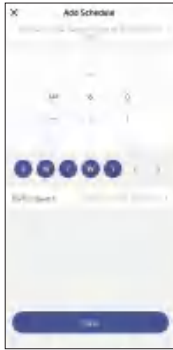


Figure 18

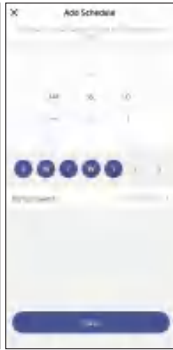


Figure 19

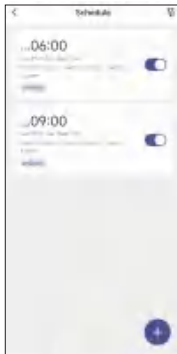


Figure 20

You can also set the schedule for each zone individually. (Figure 21&22&23)

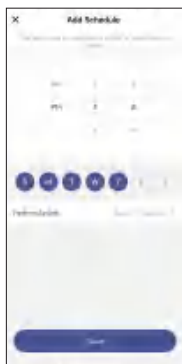


Figure 21

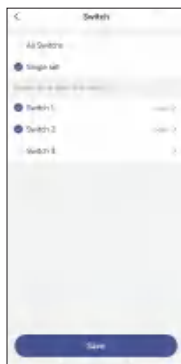


Figure 22

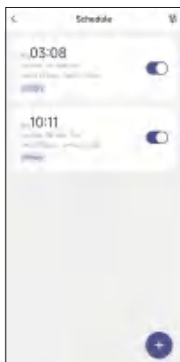


Figure 23

#### 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 24, 25) You can also set the circulate schedule for each zone individually.

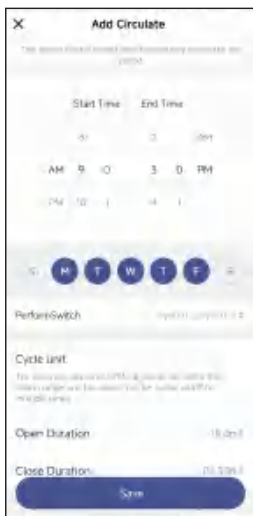


Figure 24

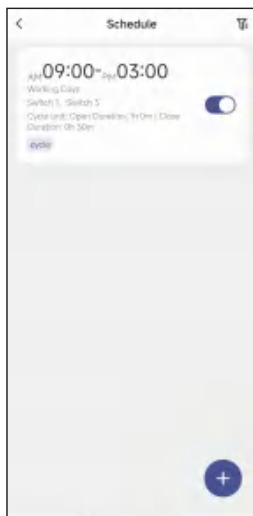


Figure 25



## 5.Random

Either +/-30 minutes than setting ON/OFF time, randomly control device when you are away from home.You can also set the random schedule for each zone individually.

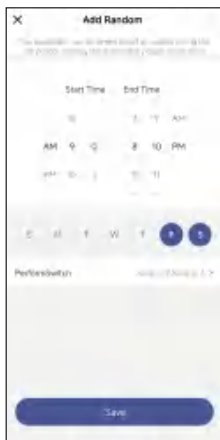


Figure 26

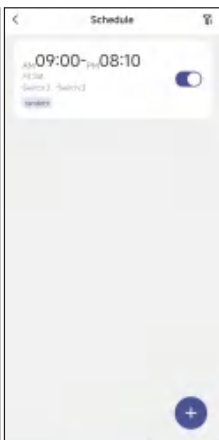


Figure 27

## 6.Countdown

Tap "Countdown Button" then select any switch to set the hours and minutes. The zone which the low-voltage transformer is set will switch according to the setting, 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 28, 29)

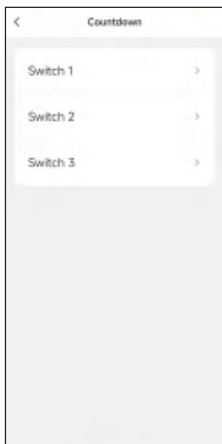


Figure 28



Figure 29

## 7.Astronomical

The controlled device will turn on or off at (before or after) sunset or sunrise.  
(Figure 30, 31, 32)



Figure 30



Figure 31

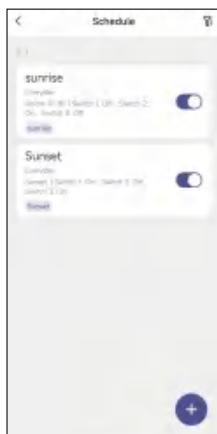


Figure 32

## Work with Amazon Alexa

Link dewenwils account to Alexa

1. Open your Alexa app, tap "Skills" in the menu, and then search "Smart Life" , select "Smart Life " and tap "Enable" to enable the Smart Life skills.
2. You will be directed to the account link page. Type in your "dewenwils "account and password, don't forget to select your country/ region where your account belongs to. And then tap "Link Now" to link your dewenwils account.

Control your smart devices

Discover devices: Echo needs to discover your smart devices before controlling them. You say "Alexa. discover devices" to Echo. Echo will discover devices that have already been added in "dewenwils "app. You can also tap "discover devices" to discover the smart devices.

Discovered devices will be shown in the list.

**Note:** Every time you change the device's name on the dewenwils app, Echo must re-discover before you control them.

## Work with Google Home

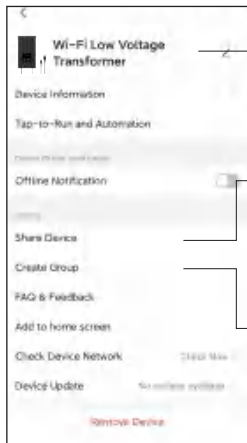
Preparation

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.

## Other Functions



Change the device name

Share the device with your family  
Enter family member's "Smart Life" account to control the device.

Create Group  
Devices under the same group can be controlled simultaneously

## CABLE SELECTION CHART

12 VOLT TAP	Cable Length		
	0-50 feet	51-100 feet	100-150 feet
Total Fixture Wattage			
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		
	0-50 feet	51-100 feet	100-150 feet
Total Fixture Wattage			
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: TD-300-12WF-1 WiFi

Input Voltage: 120VAC, 60Hz

Output: 12VAC

Max Power Rating: 300W

## 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.

## 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.



Made in China