DEWENWILS HTLT05A

DEWENWILS 300W Low Voltage Landscape Transformer WiFi User Manual

Model: HTLT05A

1. Introduction

Thank you for choosing the DEWENWILS 300W Low Voltage Landscape Transformer. This device is designed to safely convert 120V AC household current to 12V or 15V AC low voltage, making it ideal for powering various outdoor landscape lighting systems. With built-in WiFi connectivity, it offers smart control via the DEWENWILS app, Alexa, and Google Assistant, along with independent dual-zone management and smart scheduling capabilities. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance.

2. Product Features

- **WiFi & Smart Control:** Manage your landscape lighting remotely via the DEWENWILS app. Compatible with Amazon Alexa and Google Assistant for voice commands. Supports 2.4GHz WiFi networks only.
- **Dual Independent Zones:** Features two programmable zones, each supporting up to 200W (maximum combined wattage of 200W). Allows for customized lighting schedules and control for different areas.
- **Voltage Conversion:** Safely converts 120V AC to 12V AC or 15V AC, suitable for a wide range of 12V LED outdoor lights.
- **Smart Scheduling Timer:** Set custom on/off schedules or enable dusk-to-dawn automation using the astronomical function, which adjusts to local sunrise and sunset times.
- **Weatherproof Design:** Fully enclosed, rain-tight housing with silicone-sealed electronics ensures protection against dust, moisture, and harsh weather conditions for year-round stability.
- **Touch Control Buttons:** Manual ON/OFF control for each zone directly on the unit.



Image: The DEWENWILS 300W Low Voltage Landscape Transformer showing its two touch-sensitive zone buttons and power cord.



Image: The transformer's robust and durable polycarbonate casing, designed to withstand various outdoor weather conditions.

3. Package Contents

Upon opening the package, please verify that all components are present and in good condition:

- 1 x DEWENWILS 300W Low Voltage Landscape Transformer
- 1 x User Manual

4. Specifications

Attribute	Value
Model Number	HTLT05A
Input Voltage	120V AC
Output Voltage	12V AC / 15V AC
Max Power Output	300W (Max 200W per zone, 200W combined)
Number of Zones	2 (Independent)
WiFi Frequency	2.4GHz only
Compatibility	DEWENWILS App, Alexa, Google Assistant
Mounting Type	Wall Mount
Product Dimensions	9"D x 6"W x 6"H (approx. 9 x 6 x 6 inches)
Weight	8 Pounds
Certifications	ETL, FCC Listed



Image: Detailed dimensions of the transformer unit.

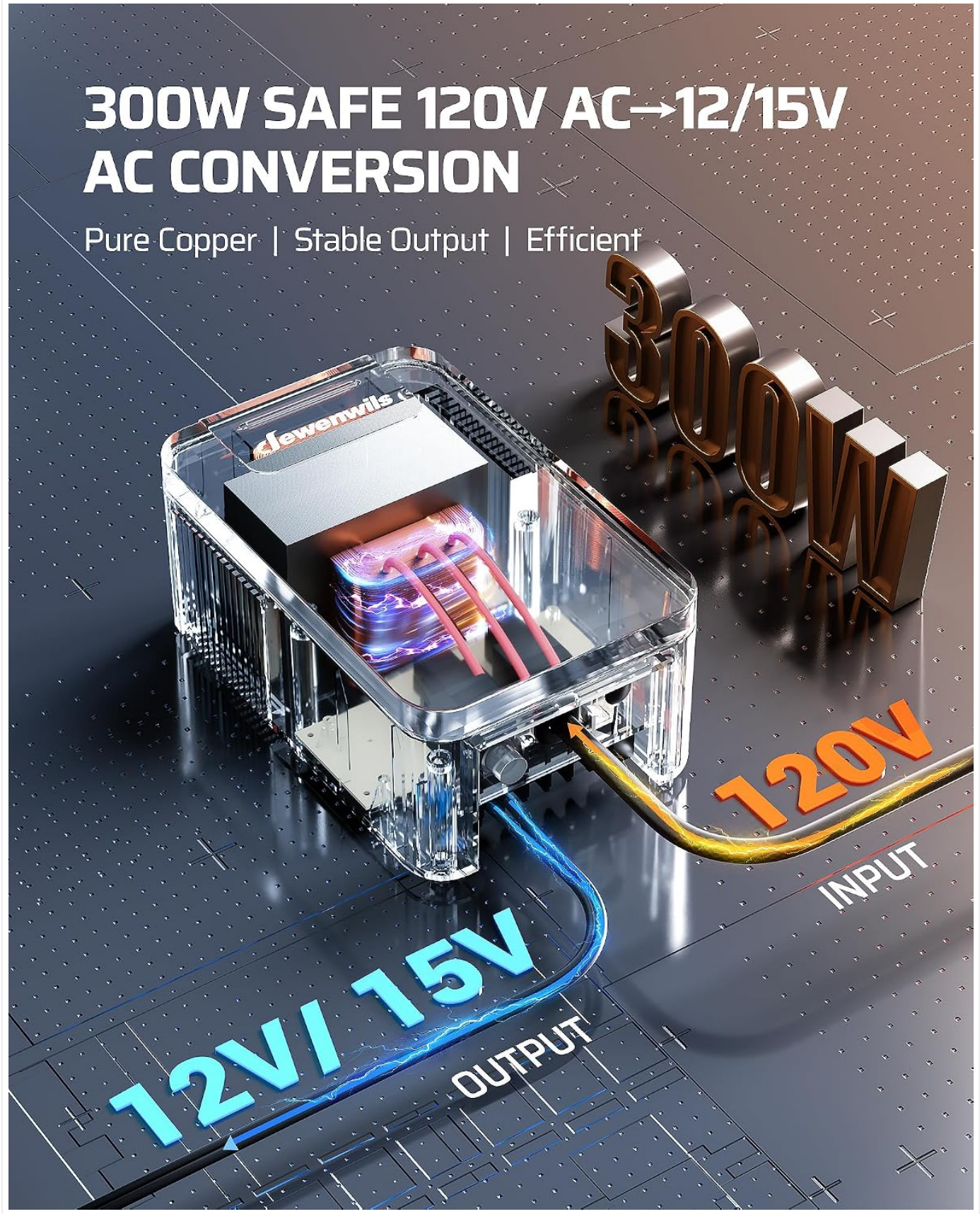


Image: Illustration of the 300W power conversion process within the transformer.

5. Safety Information

Please observe the following safety precautions to prevent injury or damage:

- Always disconnect power before installing, servicing, or cleaning the transformer.
- Ensure the total wattage of connected lights does not exceed 80% of the transformer's capacity (e.g., for 300W

transformer, do not exceed 240W).

- Install the transformer in a location that allows for proper ventilation and is protected from direct water spray, even though it is weatherproof.
- Use only low voltage landscape lighting fixtures with this transformer.
- Do not immerse the transformer in water.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- This device is designed for outdoor use.

6. Installation Guide

6.1 Mounting the Transformer

1. Choose a suitable outdoor location near a 120V AC GFCI outlet, preferably on a wall or sturdy post.
2. Ensure the mounting surface is flat and stable.
3. Use appropriate screws and anchors (not included) to securely mount the transformer to the chosen surface. Ensure it is mounted vertically with the terminals facing downwards.

6.2 Wiring the Landscape Lights

The transformer features two independent output zones. Each zone has common (COM) and voltage (12V/15V) terminals.

1. Determine the desired voltage (12V or 15V) for your lighting system. Most LED landscape lights operate on 12V. 15V can be used for longer cable runs to compensate for voltage drop.
2. Connect one wire from your low voltage landscape lighting cable to the 'COM' terminal for the desired zone (ZONE1 or ZONE2).
3. Connect the other wire from your low voltage landscape lighting cable to either the '12V' or '15V' terminal for the same zone.
4. Repeat for the second zone if you have separate lighting circuits.
5. Ensure all connections are tight and secure.



Image: Detail of the dual independent wiring terminals for landscape lighting connections.

6.3 Initial Power-Up and App Connection

1. Plug the transformer into a 120V AC GFCI outlet. The power indicator light should illuminate.
2. Download the "DEWENWILS" app from your smartphone's app store (iOS or Android).
3. Register or log in to your DEWENWILS account.
4. In the app, tap '+' to add a new device.

5. Follow the in-app instructions to connect the transformer to your 2.4GHz WiFi network. You may need to press and hold one of the zone buttons on the transformer to enter pairing mode (refer to app for specific instructions).
6. Once connected, you can rename the device and individual zones within the app.



Image: The transformer connects directly to your 2.4GHz WiFi network without needing an additional hub.

7. Operating Instructions

7.1 Manual Control

Each zone (ZONE1 and ZONE2) has a dedicated touch button on the transformer. Briefly touch the button to manually turn the corresponding zone ON or OFF.

7.2 App Control (DEWENWILS App)

The DEWENWILS app provides comprehensive control over your transformer:

- **Remote ON/OFF:** Toggle each zone on or off from anywhere with an internet connection.
- **Scheduling:** Set specific times for your lights to turn on and off. You can create multiple schedules for different days of the week.
- **Astronomical Function:** Enable dusk-to-dawn operation, where the transformer automatically adjusts to local sunrise and sunset times.
- **Countdown Timer:** Set a countdown for the lights to turn off after a specified duration.

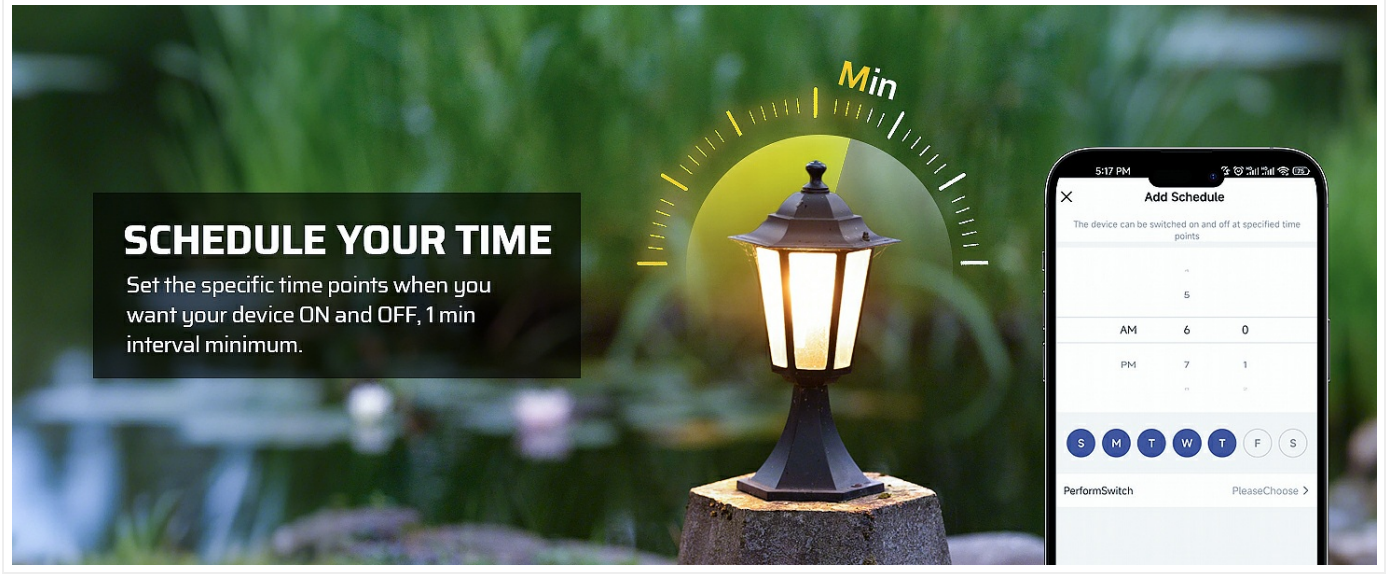


Image: Scheduling interface within the DEWENWILS app.



Image: The app's smart sunrise-to-sunset function for energy-efficient operation.

7.3 Voice Control (Alexa & Google Assistant)

Once linked with Alexa or Google Assistant (follow instructions in the DEWENWILS app for linking), you can use voice commands to control your lights. Examples:

- "Alexa, turn on [Device Name/Zone Name]."
- "Hey Google, turn off [Device Name/Zone Name]."



Image: Integration with smart home voice assistants for convenient control.

8. Maintenance

The DEWENWILS landscape transformer is designed for minimal maintenance. However, regular checks can ensure its longevity and optimal performance:

- **Cleaning:** Periodically wipe the exterior of the transformer with a damp cloth to remove dust and debris. Do not use

harsh chemicals or abrasive cleaners.

- **Wiring Inspection:** Annually inspect all wiring connections for corrosion, fraying, or loose terminals. Tighten any loose connections.
- **Ventilation:** Ensure that the ventilation slots on the transformer are not blocked by leaves, dirt, or other obstructions.
- **Environmental Check:** Confirm the transformer remains securely mounted and is not exposed to standing water or excessive direct sunlight.

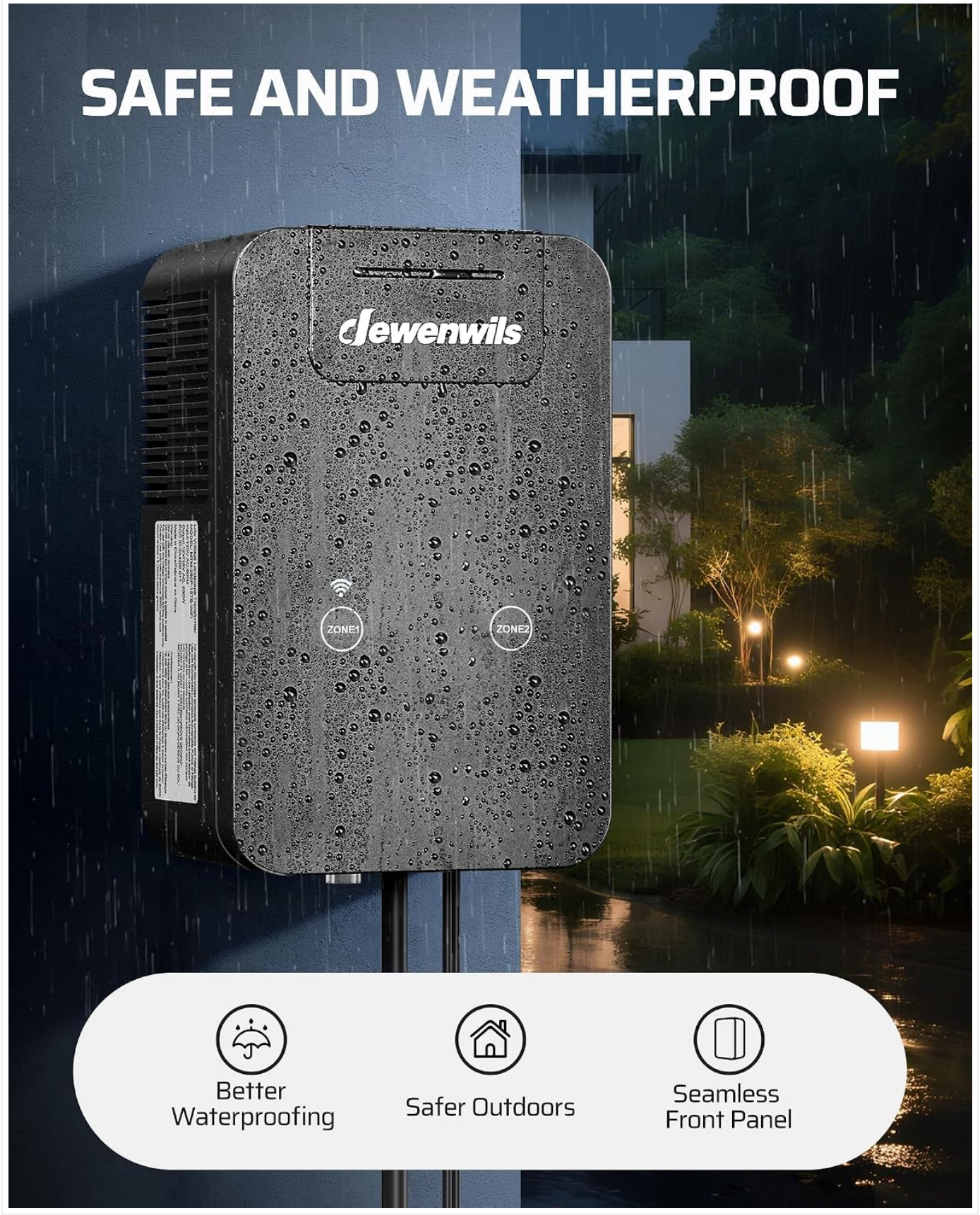


Image: The weatherproof design ensures reliable operation in outdoor environments.

9. Troubleshooting

If you encounter issues with your DEWENWILS transformer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights not turning on	No power to transformer Loose wiring connections Overload Faulty lights/cable Incorrect schedule/manual setting	Check GFCI outlet and circuit breaker. Inspect and tighten all wiring connections. Reduce total wattage of connected lights. Test lights individually or inspect cable for damage. Verify app schedule or manual ON/OFF state.
WiFi connection issues	Incorrect WiFi frequency (not 2.4GHz) Weak WiFi signal Incorrect password Transformer not in pairing mode	Ensure your router is set to 2.4GHz or has a combined 2.4/5GHz network. Move transformer closer to router or use a WiFi extender. Re-enter WiFi password carefully. Follow app instructions to put transformer into pairing mode.
Lights flicker or dim	Voltage drop due to long cable runs Loose connections Overload	Switch to 15V output if available and compatible with lights. Use thicker gauge wire for longer runs. Check and tighten all wiring connections. Reduce total wattage of connected lights.
Voice control not working	Not linked to Alexa/Google Assistant Incorrect device/zone name Internet connectivity issues	Ensure the DEWENWILS app is linked to your smart assistant account. Verify the exact names used for devices/zones in the app. Check your home internet connection.

10. Warranty and Support

DEWENWILS products are manufactured to high-quality standards. For warranty information, technical support, or any questions regarding your product, please refer to the contact information provided on the product packaging or visit the official DEWENWILS website. Please have your model number (HTLT05A) and purchase details ready when contacting support.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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