

DieseRC WHS1RC

DieseRC Smart WiFi Water Heater Switch: User Manual

Model: WHS1RC

IMPORTANT SAFETY INFORMATION

Please read this manual carefully before installation and operation. Keep it for future reference.

- **Power Disconnection:** Always ensure the power at the circuit breaker is completely off before attempting any wiring or installation. Failure to do so can result in electric shock or serious injury.
- **Neutral Wire Requirement:** A neutral wire is required for the proper functioning and installation of this switch. Confirm your wall box contains a neutral wire (typically white). If not, consult a professional electrician.
- **Professional Installation:** If you lack experience with electrical wiring, it is strongly recommended to contact a qualified electrician for installation.
- **Secure Connections:** Ensure all wire conductors are securely fastened to prevent loose connections, which can cause overheating or malfunction.
- **Environmental Conditions:** Do not install in excessively humid or wet environments. The switch is designed with a tempered glass surface for moisture resistance, but direct exposure to water should be avoided.
- **Electrical Ratings:** Do not exceed the specified current (20A) or power (4400W) ratings of the switch.

SPECIFICATIONS

Input Voltage	AC 100-240V
Work Frequency	50Hz/60Hz
Current Type	20A
Rated Power	4400W
Wireless Frequency	WI-FI 2.4GHz & Bluetooth 4.0
Wireless Standard	IEEE802.11 b/g/n

Support System	Android / iOS
Operating Voltage	240 Volts
Contact Type	Normally Open
Connector Type	Screws
Terminal	Screw
Circuit Type	1-way
Actuator Type	Smart Touch
Contact Material	Metal
International Protection Rating	IP54
Number of Positions	1
Controller Type	Amazon Alexa, Android, Google Assistant, IFTTT, iOS
Control Method	Remote
Connectivity Protocol	Wi-Fi
Color	Black
Item Weight	7.4 ounces
Package Dimensions	5 x 3.07 x 1.69 inches

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Wi-Fi Boiler Switch
- 2 x Mounting Screws
- 1 x User Manual (this document)

SETUP AND INSTALLATION

1. Pre-installation Checklist

- Ensure power is OFF at the circuit breaker.
- Confirm a neutral wire (typically white) is available in your wall box.
- Verify a stable 2.4GHz Wi-Fi signal is available at the installation location.

2. Wiring Instructions

Follow the wiring diagram carefully. Wire colors may vary in some installations; consult a professional if unsure.

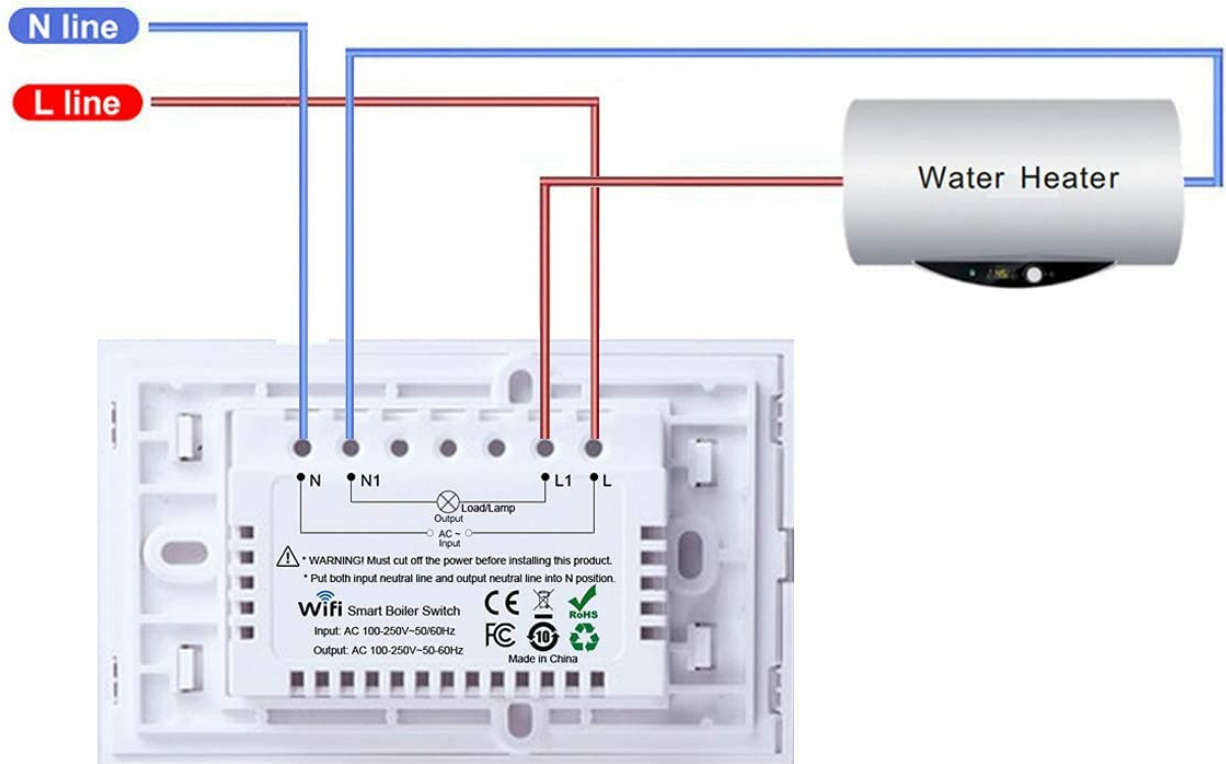


Image: Wiring diagram showing connections for N line, L line, and the water heater to the smart switch. Ensure power is off before wiring.

- Connect the **N line (Neutral)** to the 'N' terminal on the switch.
- Connect the **L line (Live)** to the 'L' terminal on the switch.
- Connect the neutral wire from the water heater to the 'N1' terminal on the switch.
- Connect the live wire from the water heater to the 'L1' terminal on the switch.
- Ensure all connections are tight and secure.

3. Physical Installation

After wiring, carefully place the switch into the wall box and secure it with the provided screws. Attach the glass panel.

Product Size

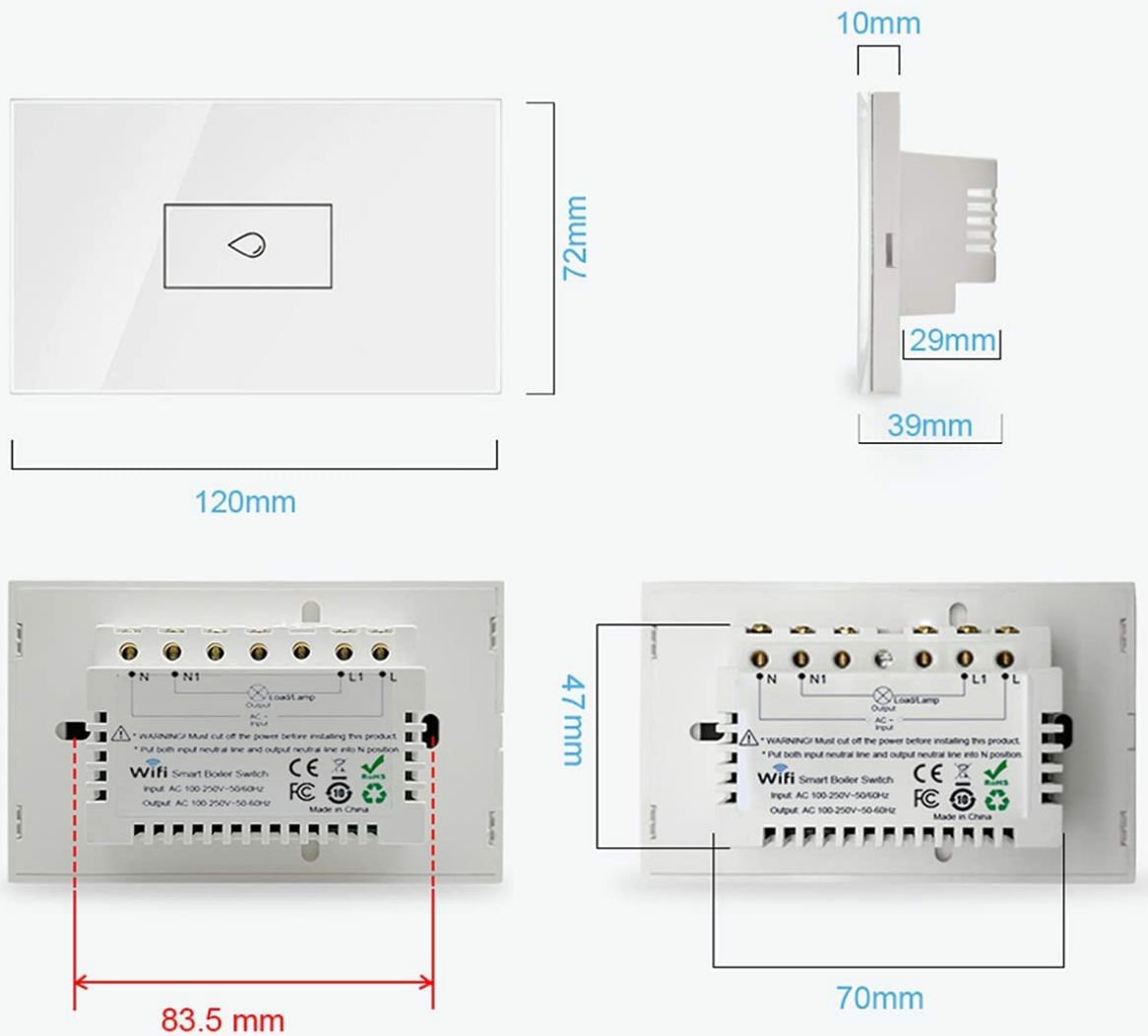


Image: Product dimensions of the smart switch, showing front panel measurements (120mm x 72mm) and depth (39mm, with 29mm for the back box and 10mm for the front panel).

4. App Pairing

Once installed and power is restored, the indicator light on the switch will flash. This indicates it is ready for pairing.

- Download the **Tuya Smart** or **Smart Life** app from your device's app store (iOS/Android).
- Register or log in to your account.
- Add a new device in the app. Follow the on-screen instructions to connect the switch to your 2.4GHz Wi-Fi network.
- **Indicator Light Status:** If the indicator light is flashing quickly, it is in pairing mode. If it is off or flashing slowly, long-press the button on the switch panel until it flashes quickly to enter pairing mode.

OPERATING INSTRUCTIONS

1. Manual Touch Control

The switch features a responsive tempered glass touch panel. Simply touch the designated area to turn your water

heater ON or OFF.

- **LED Backlight:** A soft red light indicates the water heater is ON. A blue light indicates it is OFF. This helps locate the switch in the dark.

2. App Control

Control your water heater remotely using the Tuya Smart or Smart Life app on your iOS or Android device.



Image: A smartphone displaying the control app for the water heater switch, demonstrating remote control capabilities from various locations.

- Open the app and select your water heater switch.
- Toggle the switch ON/OFF, set schedules, or adjust other settings from anywhere with an internet connection.

3. Voice Control

Integrate your smart switch with Amazon Alexa or Google Home for convenient voice commands.



Image: A woman interacting with an Amazon Alexa device to turn on the water heater, illustrating voice control functionality.

- Link your Tuya Smart/Smart Life account to your Alexa or Google Home app.
- Use commands such as: "Alexa, turn on the water heater" or "Hey Google, turn off the boiler switch."

4. Timing Function

Set custom schedules for your water heater to turn ON/OFF automatically, optimizing energy use and convenience.

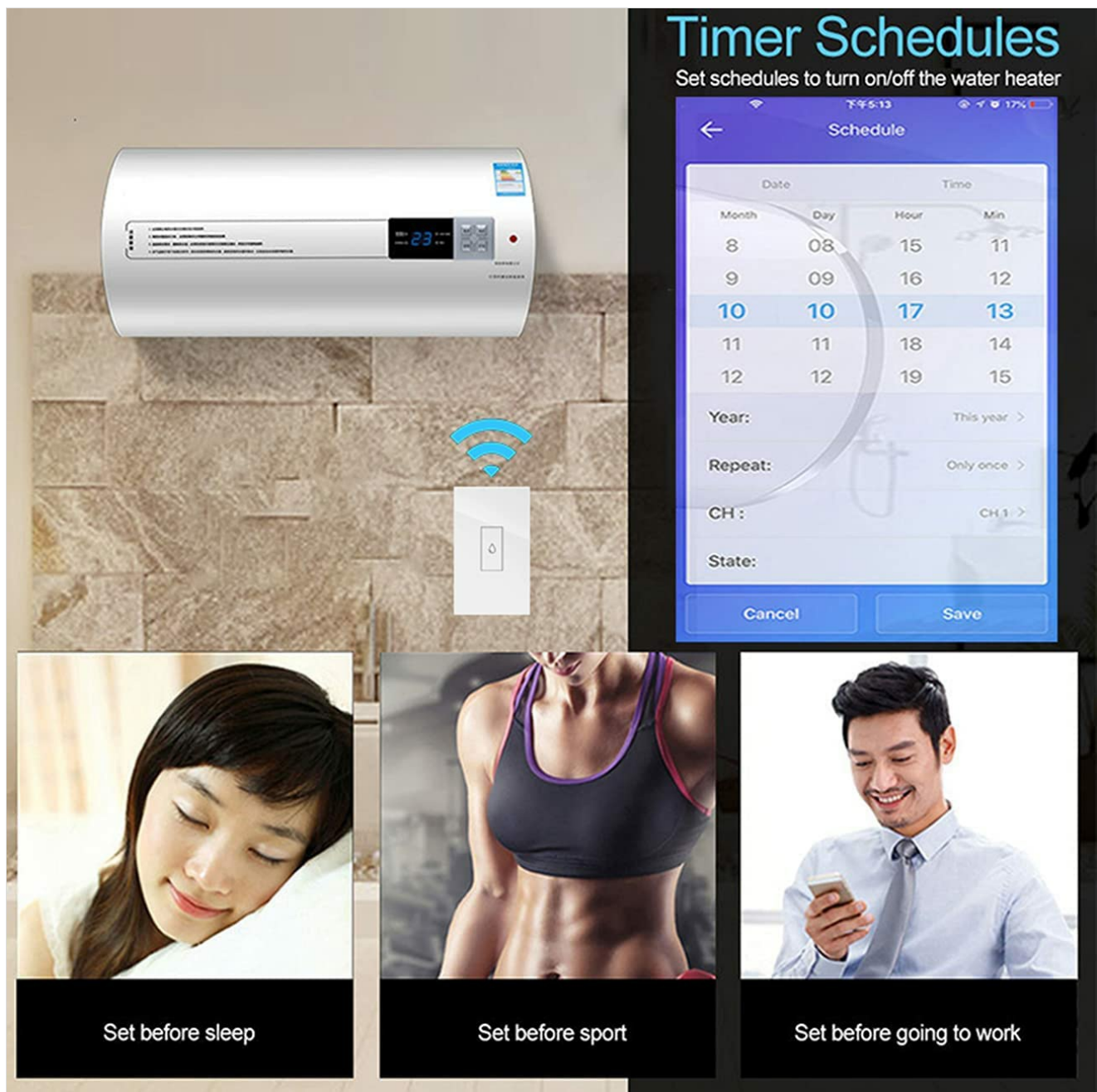
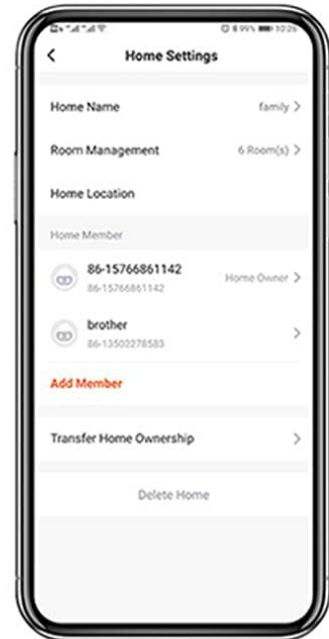


Image: A smartphone screen showing the app's timer schedule interface, allowing users to set specific times and days for the water heater to operate.

- In the app, navigate to the timer or schedule settings for your switch.
- Create daily or weekly schedules based on your preferences, for example, to heat water before you wake up or return home.

5. Family Sharing

Share control of the smart water heater switch with family members through the app.



Family Sharing Control Fun

Master account can invite family members to control the rights of these devices

main account has the exclusive permissions, one click to share the permissions with the whole family. let the family enjoy the fun of smart life!



Image: An illustration of the family sharing feature within the app, showing how multiple users can be granted access to control smart devices.

- The main account holder can invite other users to control the device.
- This allows multiple individuals in a household to manage the water heater.

MAINTENANCE

1. Cleaning

The tempered glass surface is waterproof, moisture-proof, and scratch-proof, making it easy to clean.

- Wipe the surface with a soft, damp cloth.
- Avoid using abrasive cleaners or harsh chemicals that could damage the glass or internal components.
- Ensure the switch is dry before operating.

2. Fluorescence Feature

The switch panel is designed to fluoresce for up to 24 hours, making it easy to locate in the dark.

Fluorescence

The panel will fluoresce for 24 hours, so that you can easily find its position at night

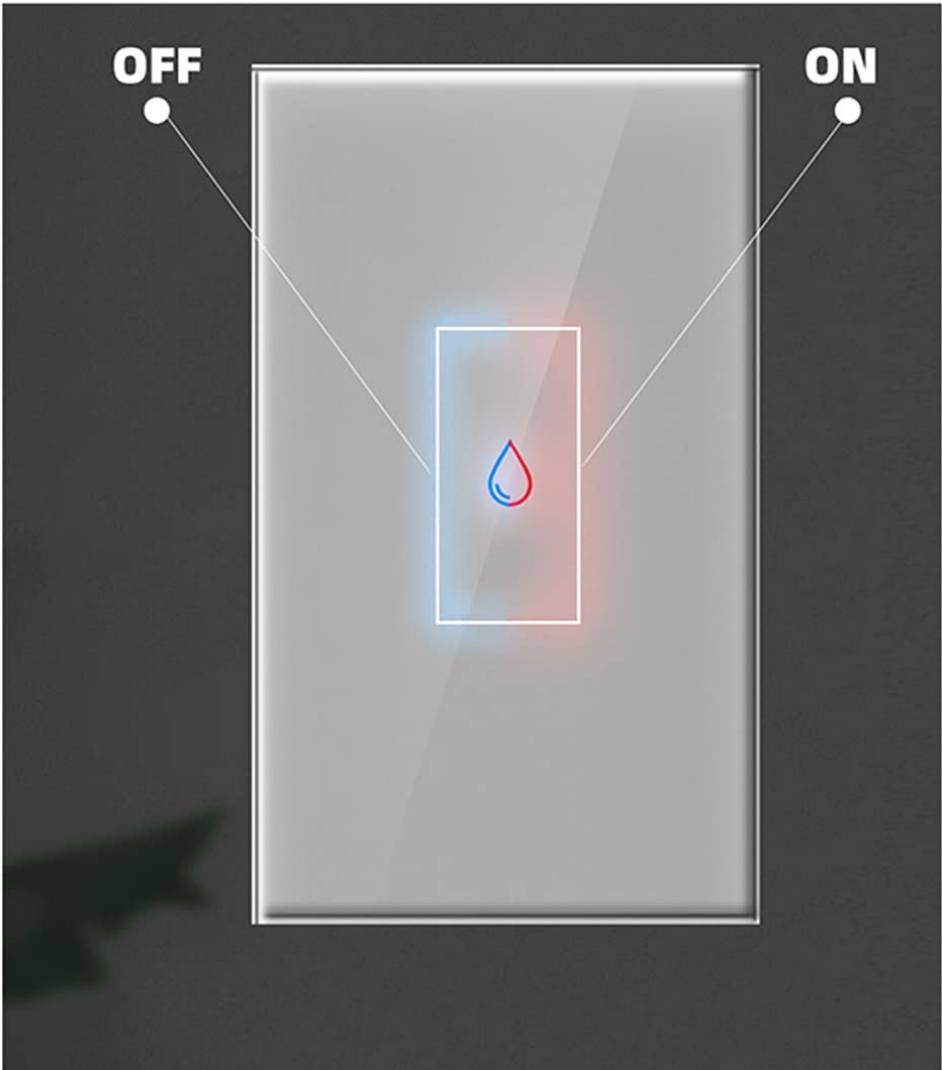


Image: A visual representation of the switch panel's fluorescence, showing how the ON/OFF indicators glow in the dark for easy visibility.

- No special maintenance is required for this feature; it recharges with ambient light.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch does not power on.	No power supply; incorrect wiring; circuit breaker tripped.	Check circuit breaker. Verify wiring connections (L and N lines). Ensure power is restored.
Indicator light is off or flashing slowly.	Not in pairing mode; power issue.	Long-press the button on the panel until the light flashes quickly to enter pairing mode. Check power supply.
Cannot connect to Wi-Fi/App.	Incorrect Wi-Fi password; 5GHz Wi-Fi network; weak signal; switch not in pairing mode.	Ensure you are using a 2.4GHz Wi-Fi network. Double-check Wi-Fi password. Move closer to the router. Put the switch into fast flashing pairing mode.

Voice control not working.	App not linked to Alexa/Google Home; incorrect device name; internet connectivity issue.	Ensure Tuya Smart/Smart Life account is linked in your voice assistant app. Use the exact device name. Check internet connection.
Water heater does not respond to switch.	Incorrect wiring to water heater; water heater malfunction.	Verify L1 and N1 connections to the water heater. Check the water heater's own power and functionality.

WARRANTY INFORMATION

The DieseRC Smart WiFi Water Heater Switch comes with a **1-year quality warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by improper installation, misuse, accidents, unauthorized repairs, or acts of nature.

CUSTOMER SUPPORT

If you encounter any issues not covered in this manual or require further assistance, please contact DieseRC customer support. Please have your product model number (WHS1RC) and purchase information ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question