Melery Tuya Wifi Smart Touch Switch Wall Socket AU Electrical Plug Glass Panel USB Type C Charger Outlet - User Manual



Brand: Melery WWS405 AU

Product Name: Tuya Wifi Smart Touch Switch Wall Socket AU Electrical Plug with Glass Panel & USB Type-C Charger

Color: White

Size: (L) 120mm × (W) 72mm

Weight: 191g

Material: Glass & PC

Voltage Range: 90-250V AC (Optimized for Australia)

Max Current (Socket): 10A Each

USB Port Specs: 4.8A Max, PD30W (Type-C)

Working Temperature: -30~60 Degree Celsius

Connectivity: WiFi (2.4G Recommended)

Voice Compatibility: Amazon Alexa, Google Home

App Compatibility: Tuya Smart App (iOS & Android)

Certifications: FCC, CE, ROHS, RED

Max Power: 2900W

Max Supported Devices per Phone: 150 WiFi Smart Devices

1. Product Overview

The Melery Tuya WiFi Smart Touch Wall Socket is a premium in-wall power solution designed specifically for Australian homes and offices. Featuring a sleek white glass panel with sensitive touch control, it combines intelligent functionality with modern aesthetics. Equipped with AU-standard electrical plugs, a PD30W Type-C fast-charging port, and additional USB ports (4.8A Max), it meets the power and charging needs of various home appliances and mobile devices. The socket connects to your home WiFi network (2.4G recommended) and integrates seamlessly with the Tuya Smart App, Amazon Alexa, and Google Home, enabling remote control, voice control, and personalized scheduling. Made of high-quality glass and PC materials, it is fire-retardant, anti-scratch, and durable, with a wide voltage range (90-250V) optimized for Australian electrical systems. FCC, CE, ROHS, and RED certified, it ensures safe and reliable performance for daily use.

2. Safety Information ⚠

Warning: To prevent electric shock, fire, product damage, or personal injury, please strictly adhere to the following safety precautions during installation, use, and maintenance:

- This socket is designed for indoor use only. Keep it away from water, moisture,

flammable materials (e.g., gasoline, alcohol), and high-temperature environments (exceeding 60℃) to avoid short circuit or fire hazards.

- Never exceed the maximum power (2900W) or maximum current (10A per socket). Overloading the socket may cause overheating, short circuit, or damage to the socket and connected devices.
- Always turn off the main power supply before installation, maintenance, or cleaning to avoid electric shock. Basic DIY skills are recommended for installation; if you are not familiar with electrical work, please hire a qualified professional.
- Do not touch the socket jacks, USB ports, or internal components with wet hands, or insert metal objects (e.g., nails, wires) into the jacks—this may cause electric shock.
- Do not use the socket if it is damaged (e.g., cracked glass panel, loose wiring, damaged USB ports, abnormal noises, or burning odors). Stop using it immediately and contact Melery customer service for replacement.
- The glass panel is anti-scratch but fragile; avoid heavy impact to prevent breakage, which may expose internal components and cause safety hazards.
- The socket only supports 2.4G WiFi networks (5G WiFi is not compatible). Ensure your home WiFi is stable and compatible before pairing.
- Children should be supervised when near the socket to prevent accidental contact, tampering, or insertion of foreign objects into the jacks.
- Do not disassemble the socket unless performed by a qualified professional. Unauthorized disassembly may void the warranty and cause safety hazards.

3. Installation & Operation Instructions

3.1 Installation Steps

1. Turn off the main power supply of the area where the socket will be installed to ensure no electricity is supplied to the wall box.
2. Check the wall box to ensure it is compatible with the socket’s size (120mm × 72mm) and in good condition (no damage, loose wires, or debris).
3. Use the included mounting screws to fix the socket into the wall box. Align the socket with the wall box and tighten the screws firmly to ensure it is stable and flush with the wall.
4. Restore the main power supply and check if the socket’s indicator light is on (indicating it is powered on and ready for pairing).

3.2 WiFi Pairing & App Setup

1. Download and install the Tuya Smart App from the App Store (iOS) or Google Play Store (Android). Register and log in to your Tuya account.

2. Power on the socket and ensure your smartphone is connected to a 2.4G WiFi network (5G WiFi is not supported).

3. Open the Tuya Smart App, tap “Add Device” in the device management section, and select “Socket” as the device category.

4. Follow the in-app prompts to enable the socket’s pairing mode (the indicator light will flash rapidly when in pairing mode).

5. Enter your WiFi password in the app and confirm. The app will automatically connect the socket to your WiFi network. Once paired successfully, the indicator light will stop flashing and remain stable.

6. Name the socket (e.g., “Kitchen Socket”) and assign it to a specific room in the app for easy management.

3.3 Voice Control Setup (Alexa & Google Home)

Integrating with Amazon Alexa

1. Open the Alexa App on your mobile device and log in to your Amazon account.

2. Tap the “Devices” icon at the bottom of the screen, then click the “+” icon in the upper-right corner to add a new device.

3. Select “Plug” as the device type, then search for “Tuya” in the list of brands.

4. Log in to your Tuya account to authorize Alexa to access your smart socket. Alexa will automatically discover the socket and complete the linking process.

5. Assign a name to the socket (if not already named) and use voice commands (e.g., “Alexa, turn on the kitchen socket”) to control it.

Integrating with Google Home

1. Open the Google Home App on your smartphone or tablet and log in to your Google account.

2. Tap the “+” icon in the upper-left corner and select “Set up device”.

3. Scroll down and select “Works with Google”, then search for “Tuya” in the search bar.

4. Select the Tuya Smart skill and log in to your Tuya account when prompted to authorize Google Home access.

5. Google Home will sync with your Tuya account and detect the smart socket. Select the socket and follow the on-screen instructions to complete the setup.

3.4 Basic Operation

- Touch Control: Lightly tap the glass panel to turn the socket on or off. The indicator light will show the power status (on = powered, off = disconnected).

- App Remote Control: Open the Tuya Smart App, select the socket from the device list, and tap the on/off icon to control it remotely. You can also check the real-time status and power usage.
- Voice Control: Use simple voice commands with Alexa or Google Home to turn the socket on/off, without needing to use the app or touch the panel.
- Scheduling & Energy Saving: In the Tuya App, set personalized schedules to automatically turn the socket on/off at specific times. Use the power indicator to track energy usage and reduce waste.
- USB Charging: Insert a USB cable into the Type-C (PD30W) or USB port to fast charge smartphones, tablets, laptops, and other USB-powered devices.

4. Usage Restrictions

- Voltage Restriction: This socket is compatible with 90-250V AC voltage, optimized for Australia's electrical system. Do not use it in electrical systems with voltage outside this range.
- Power & Current Restriction: Do not exceed the maximum power (2900W) or maximum current (10A per socket). Avoid connecting high-power devices (e.g., electric stoves, air conditioners) that exceed this limit.
- WiFi Restriction: Only supports 2.4G WiFi networks; 5G WiFi is not compatible. Ensure your home WiFi is 2.4G and stable for smooth connectivity.
- Environment Restriction: Not suitable for outdoor use, damp environments (e.g., bathrooms), or places with strong corrosion. Keep away from water and moisture.
- Installation Restriction: Only suitable for in-wall installation in compatible wall boxes. Do not install on uneven, fragile, or non-flat surfaces.
- Device Compatibility: The socket is compatible with most Australian home appliances (up to 2900W). Do not connect devices with power exceeding this limit to avoid damage.
- Glass Panel Restriction: Avoid heavy impact on the glass panel. Do not use abrasive cleaners or corrosive liquids (e.g., bleach, ammonia) to clean the panel—use a dry or slightly damp soft cloth instead.

5. Compliance and Standards

This product is certified with FCC, CE, ROHS, and RED, ensuring compliance with international safety and quality standards. Below are the applicable regulations and harmonized standards:

- CE Mark: Complies with the European Union's Low-Voltage Directive (Directive 2014/35/EU) and Radio Equipment Directive (Directive 2014/53/EU).
- FCC Certification: Complies with FCC Part 15B, ensuring compliance with electromagnetic compatibility (EMC) requirements for the United States.

- ROHS Certification: Complies with Directive 2011/65/EU (RoHS 2), restricting the use of hazardous substances in electrical and electronic equipment.
- RED Certification: Complies with the Radio Equipment Directive (2014/53/EU), ensuring the product's radio frequency performance is safe and compliant.
- Applicable Harmonized Standards:
    - EN 60884-1:2019 - Household and similar electrical accessories - Part 1: General requirements.
    - EN 60884-2-5:2019 - Household and similar electrical accessories - Part 2-5: Particular requirements for socket-outlets with USB charging ports.
    - EN 50525-2-11:2017 - Low-voltage electrical installations - Part 2-11: Requirements for electrical equipment for use in ordinary locations.
    - AS/NZS 3112:2011 - Australian and New Zealand Standard for plugs and socket-outlets for household and similar purposes.

6. Maintenance & Troubleshooting

6.1 Maintenance

- Clean the glass panel regularly with a dry or slightly damp soft cloth. Do not use abrasive cleaners, corrosive liquids, or sharp objects, as they may damage the panel.
- Regularly check the socket for damage, loose connections, or abnormal behavior (e.g., flickering indicator, overheating, strange noises). If any issues occur, stop using the socket and contact customer service.
- Keep the WiFi network stable and update the Tuya Smart App and the socket's firmware regularly via the app to ensure optimal performance and security.
- Retain the instruction manual for future reference. Do not disassemble the socket unless performed by a qualified professional.

6.2 Troubleshooting

Problem	Possible Cause	Solution
Socket cannot pair with WiFi	Using 5G WiFi; WiFi password incorrect; socket not in pairing mode	Switch to 2.4G WiFi; enter the correct WiFi password; reset pairing mode (press touch panel for 5-7 seconds)
App cannot control the	WiFi disconnected;	Check WiFi connection;

socket	socket offline; app not updated	power cycle the socket; update the Tuya Smart App
Voice control not working	Socket not linked to Alexa/Google Home; incorrect voice command; network issue	Re-link the socket to the voice assistant; use the correct device name; check network stability
USB ports not charging	USB cable damaged; socket not powered on; overloading	Replace USB cable; check socket power; disconnect some devices to reduce load
Socket overheats	Overloaded; poor ventilation; loose connections	Disconnect high-power devices; move to a well-ventilated area; check and tighten connections
Touch control not responsive	Glass panel dirty; socket not powered on; panel damaged	Clean the glass panel; check power supply; contact customer service if panel is damaged

7. Package Contents

- 1 × Melery Tuya WiFi Smart Touch Wall Socket (AU Plug)
- 2 × Mounting Screws
- 1 × Instruction Manual

8. Warranty & After-Sales Service

Melery provides a 30-day money-back guarantee and a 24-month replacement warranty for this product. For any technical issues, questions, or concerns (e.g., damaged products, pairing problems, malfunction), please contact Melery Official Customer Service for assistance. Our dedicated team is committed to resolving your issues and ensuring a safe, hassle-free user experience.

Note: This manual is part of the product. Please keep it properly for future reference. Failure to follow the safety precautions and usage instructions may void the warranty and cause safety hazards.

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