

AMPAI 4 Gang

AMPAI WiFi Wall Touch Smart Switch User Manual

Model: 4 Gang

1. INTRODUCTION

Thank you for choosing the AMPAI WiFi Wall Touch Smart Switch. This smart switch is designed to upgrade your home lighting control with advanced features and convenience. It offers multiple control methods including touch panel, RF433 remote, and voice control via Alexa and Google Home. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance and safety.



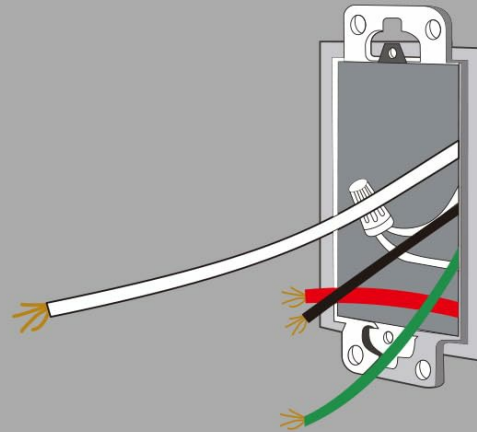
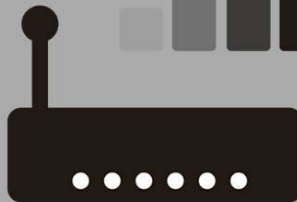
Figure 1: AMPAI WiFi Wall Touch Smart Switch (4 Gang) and included RF433 Remote.

2. IMPORTANT SAFETY INFORMATION

- **Electrical Safety:** Installation should be performed by a qualified electrician or a person with a thorough understanding of electrical systems. Always turn off power at the circuit breaker before installation or maintenance.
- **Compatibility:** This switch is designed for standard on/off control only. **It is NOT compatible with dimmable bulbs or fixtures.** Attempting to use it with dimmable bulbs may cause damage to the bulbs or the switch.
- **WiFi Network:** The smart switch operates on a 2.4GHz Wi-Fi network only. It is not compatible with 5GHz Wi-Fi networks. Ensure your router supports 2.4GHz.
- **Wiring:** This switch supports both neutral wire and no neutral wire (single fire) installations. Refer to the wiring diagrams carefully.
- **Not a Traditional 3-Way Switch:** While it offers 3-way control via multi-control methods (app, remote, voice), it does not function as a traditional mechanical 3-way switch requiring traveler wires between two switches.

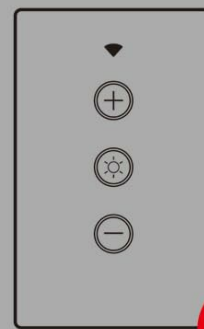
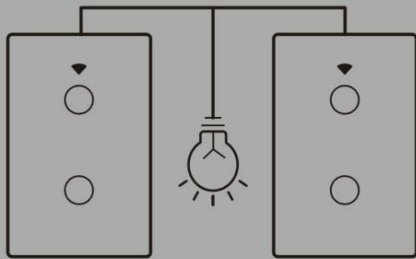
ATTENTION

2.4GHz



1. Only 2.4GHz Wi-Fi,
Not 5GHz

2. Single fire/zero fire
universal



3. Not Use as Traditional
3-Way Switch

4. Not Use as Dimmer
Switch

Figure 2: Key attention points regarding 2.4GHz WiFi, wiring, and non-compatibility with traditional 3-way or dimmable setups.

3. PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present and undamaged:

- AMPAI WiFi Wall Touch Smart Switch (4 Gang)
- Mounting Hardware (Screws)
- RF433 Remote Control (if included in your specific package)
- User Manual (this document)

4. SETUP AND INSTALLATION

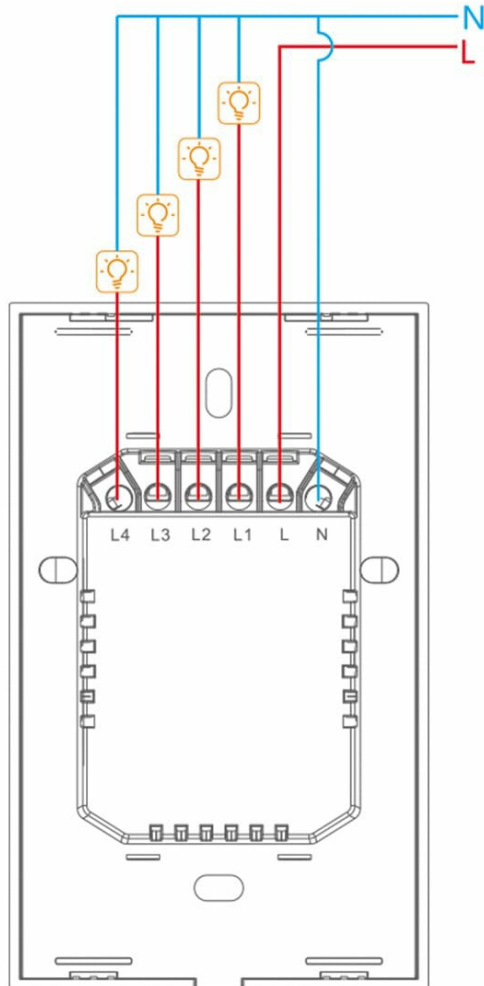
4.1 Wiring Instructions

WARNING: Ensure power is OFF at the circuit breaker before beginning any wiring.

This smart switch supports two wiring methods: with a neutral wire or without a neutral wire (single fire). Identify your home's wiring configuration before proceeding.

TWO WIRING METHODS

Neutral and Fire Line Wiring Diagram



Single Fire Wiring Diagram

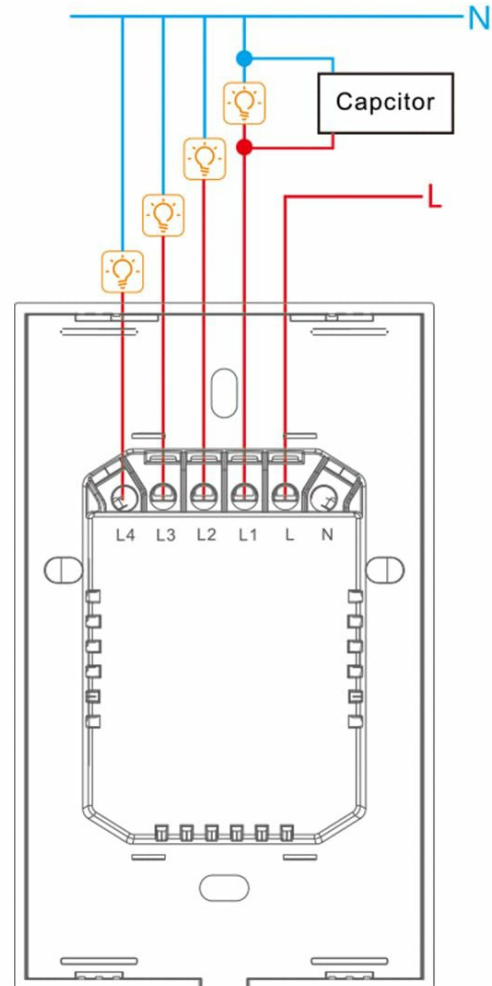


Figure 3: Wiring diagrams for Neutral and Fire Line (left) and Single Fire (right) installations. A capacitor is required for single fire wiring.

1. **Turn off power:** Locate the circuit breaker controlling the light switch and turn it OFF. Verify power is off using a voltage tester.
2. **Remove old switch:** Carefully remove the existing wall plate and unscrew the old switch from the wall box. Disconnect the wires.
3. **Identify wires:** Identify the Live (Line), Load, and Neutral wires (if present). For single fire wiring, you will only have Live and Load.
4. **Wire the Smart Switch:**
 - **Neutral and Fire Line Wiring:** Connect the Live wire to the 'L' terminal, the Neutral wire to the 'N' terminal, and the Load wires to the 'L1', 'L2', 'L3', 'L4' terminals corresponding to your light circuits.
 - **Single Fire Wiring:** Connect the Live wire to the 'L' terminal and the Load wires to the 'L1', 'L2', 'L3', 'L4'

terminals. A capacitor must be connected across the Live and Load wires of the light fixture for stable operation.

5. **Mount the switch:** Secure the smart switch into the wall box using the provided screws. Attach the glass panel.
6. **Restore power:** Turn the power back ON at the circuit breaker.

4.2 App Installation and Pairing (Tuya Smart Life)

1. **Download App:** Download the "Smart Life" or "Tuya Smart" app from the App Store (iOS) or Google Play Store (Android).
2. **Register/Login:** Open the app and register a new account or log in if you already have one.
3. **Add Device:**
 - Ensure your phone is connected to a 2.4GHz Wi-Fi network.
 - In the app, tap the "+" icon in the top right corner to add a device.
 - Select "Electrical Switch" or "Wall Switch" from the device list.
 - Follow the on-screen instructions to put the switch into pairing mode (usually by pressing and holding a button on the switch until an indicator light blinks rapidly).
 - Confirm the indicator light is blinking rapidly in the app and enter your Wi-Fi password.
 - The app will connect to the switch. Once connected, you can rename the switch and assign it to a room.

4.3 RF433 Remote Pairing

The included RF433 remote can be paired directly with the switch for local control without Wi-Fi.

1. **Enter Pairing Mode:** On the smart switch, press and hold the touch button you wish to pair for approximately 5-7 seconds until you hear a "beep" sound or see a small indicator light flash.
2. **Press Remote Button:** Within 3 seconds, press the corresponding button (A, B, or C) on the RF433 remote.
3. **Confirmation:** The switch will "beep" again or the light will stop flashing, indicating successful pairing.

5. OPERATING THE SMART SWITCH

5.1 Touch Control

Simply touch the corresponding icon on the glass panel to turn the connected light ON or OFF.



Figure 4: The smart switch supports multiple control methods for convenience.

5.2 Smart Life / Tuya App Control

Open the Smart Life or Tuya Smart app on your smartphone. From the device list, tap on your smart switch to access its control interface. You can turn lights ON/OFF, set schedules, and create scenes from anywhere with an internet connection.

5.3 Voice Control (Alexa & Google Home)

The AMPAI Smart Switch is compatible with Amazon Alexa and Google Home for convenient voice control.

1. **Link Account:** In the Alexa or Google Home app, enable the "Smart Life" or "Tuya Smart" skill/action and link your Smart Life/Tuya account.
2. **Discover Devices:** Ask Alexa or Google Home to "Discover devices" or manually add them through the app.
3. **Voice Commands:** Once discovered, you can use commands like:
 - "Alexa, turn on [Light Name]"

- "Hey Google, turn off [Light Name]"
- "Alexa, set [Light Name] to 50%" (Note: This switch does not support dimming, so dimming commands will not work.)

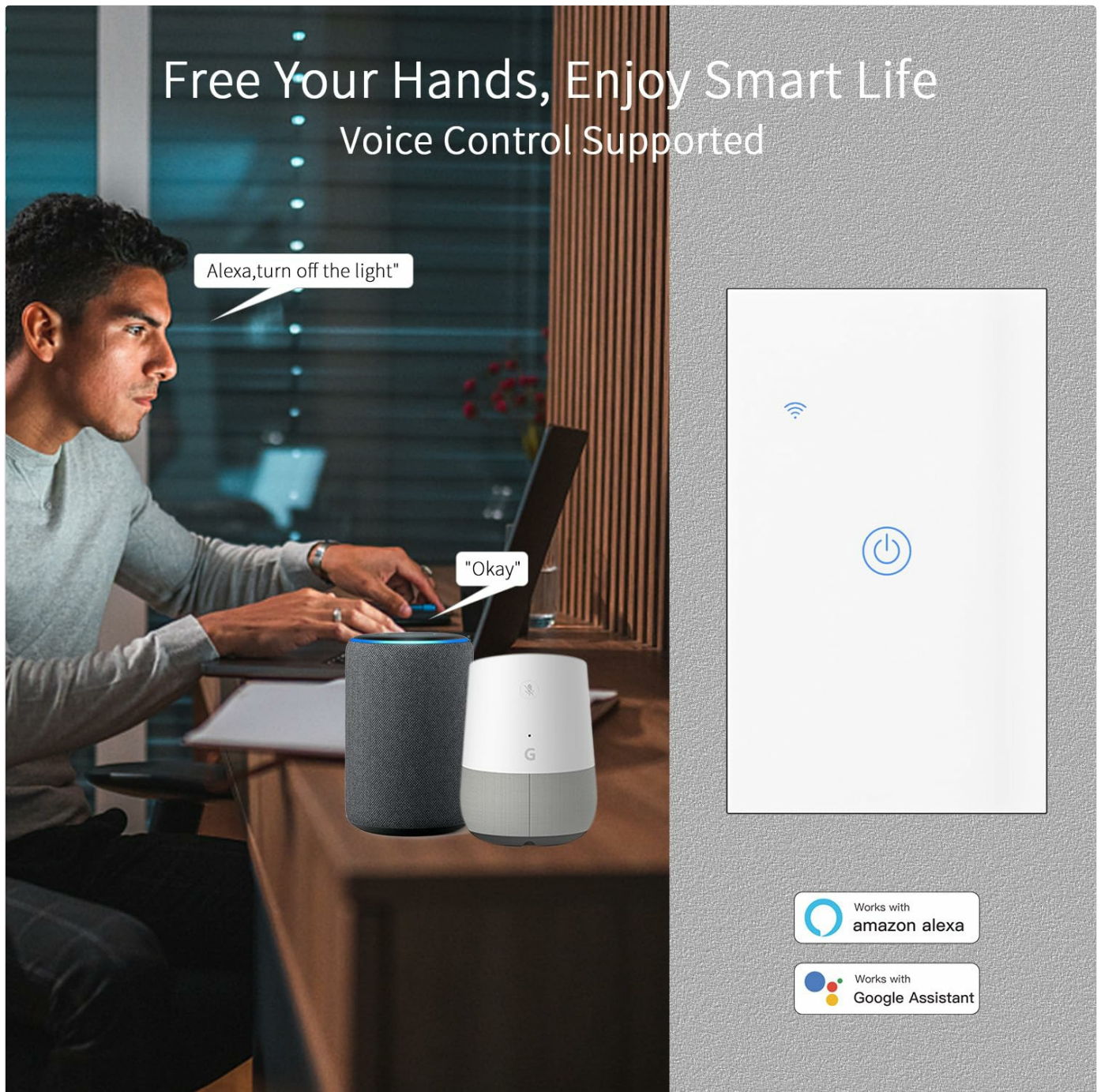


Figure 5: Enjoy hands-free control with Amazon Alexa and Google Assistant.

5.4 RF433 Remote Control

Use the paired RF433 remote to control the switch from a distance. Each button (A, B, C) on the remote can be paired to control a specific gang or group of gangs on the switch.

More Control Methods, More Convenience

Supports RF433 Remote Control



Figure 6: The RF433 remote provides an additional convenient control method.

5.5 Timer and Scene Functions

Utilize the Smart Life/Tuya app to set schedules and create custom scenes for your lighting. For example, you can set lights to turn on at sunset or off at a specific time, or create a "Movie Night" scene that turns off certain lights.

Good Assistant for Your Life

Set Timer & Scenes As You Need



Figure 7: Set timers and scenes for automated lighting control.

6. MAINTENANCE

The AMPAI Smart Switch requires minimal maintenance. To keep it clean and functioning properly:

- **Cleaning:** Gently wipe the glass panel with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as they may damage the surface.
- **Power Cycle:** If the switch becomes unresponsive, try turning off the power at the circuit breaker for 10 seconds, then turning it back on.
- **Firmware Updates:** Periodically check the Smart Life/Tuya app for any available firmware updates for your switch to ensure optimal performance and security.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Switch not responding to touch.	No power; Loose wiring; Switch malfunction.	Check circuit breaker. Verify wiring connections. Power cycle the switch. If problem persists, contact support.
Cannot connect to Wi-Fi.	Incorrect Wi-Fi band (5GHz); Incorrect password; Router too far; Switch not in pairing mode.	Ensure your phone is on a 2.4GHz Wi-Fi network. Double-check Wi-Fi password. Move router closer or use a Wi-Fi extender. Re-enter pairing mode.
Lights flicker or do not turn off completely (single fire wiring).	Missing or incorrectly installed capacitor.	Ensure the capacitor is correctly installed across the Live and Load wires of the light fixture.
Voice control not working.	Account not linked; Device not discovered; Incorrect commands.	Ensure Smart Life/Tuya skill/action is enabled and linked in Alexa/Google Home app. Ask to "Discover devices." Use correct device names and commands.
RF433 remote not controlling switch.	Remote not paired; Battery low in remote.	Re-pair the remote following section 4.3. Replace remote battery if necessary.
Switch does not dim lights.	This switch is not designed for dimming.	This is an on/off switch only. It is not compatible with dimmable bulbs or fixtures.

8. SPECIFICATIONS

Feature	Detail
Model Number	4 Gang
Brand	AMPAI
Product Dimensions	2.85 x 1.36 x 4.74 inches
Operating Voltage	120 Volts
Current Rating	10 Amps
Operation Mode	Wireless
Connectivity	Wi-Fi 2.4GHz, RF433MHz
Circuit Type	3-way (Multi-control)
Actuator Type	Touch Panel
Compatibility	Tuya Smart Life App, Amazon Alexa, Google Home
Special Feature	No Neutral Wire Required (with capacitor)

9. WARRANTY AND SUPPORT

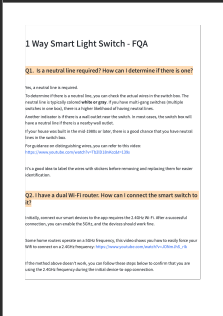
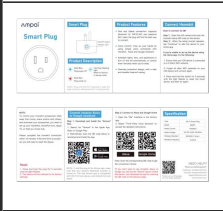
For warranty information and technical support, please contact AMPAI customer service. You can often find support contact details on the product packaging, the manufacturer's official website, or through your purchase platform (e.g., Amazon).

Manufacturer: AMPAI
For further assistance, please visit the [AMPAI Store on Amazon](#).

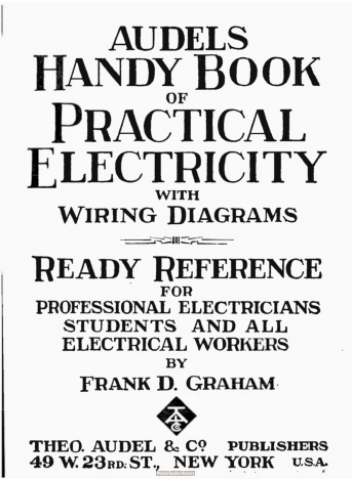


© 2024 AMPAI. All rights reserved.

Related Documents

	<p>1 Way Smart Light Switch - Frequently Asked Questions (FAQ)</p> <p>Answers to common questions about the 1 Way Smart Light Switch, covering installation, Wi-Fi connectivity, troubleshooting, and compatibility with smart home platforms like Alexa, Google Home, and Apple HomeKit.</p>
	<p>Ampai Smart Plug User Guide</p> <p>Learn how to set up and use your Ampai Smart Plug with HomeKit, Amazon Alexa, and Google Assistant. This guide covers product features, specifications, and troubleshooting.</p>

Documents - AMPAI – 4 Gang



[\[pdf\]](#) Instructions Diagram

PRACTICAL ELECTRICITY 4 days ago — verters—phasing out—operating instructions—compounding—
9 have been described The ordinary static or electric Top view sl owing core and Audels Handy Book of
Practical Electricity 1951 worldradiohistory BOOKSHELF ARH Technology |||
HANADUYDEBLSOOK PRACOTF ICAL ELECTRICITY WITH W IRING DIAGRAMS
READY REFERENCE FOR PROFESSIONAL ELECTRICIANS STUDENTS AND ALL
ELECTRICAL WORKERS BY FRANK D. GRAHAM THEO. AUDEL 8, C.
PUBLISHERS 49 W 23RD ST., NEW YORK U.S.A. AUDELS HANDY BOOK OF
PRACTICAL ELECTRICITY COPYRIGHTED ,1937, 1940, 1941, ...
lang:en score:10 filesize: 43.56 M page_count: 1514 document date: 2022-09-22

