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> HanOaki Wireless WiFi Smart Light Switch Module (Model 85F81OL22PO1827L3AR5D) Instruction Manual

## HanOaki 85F81OL22PO1827L3AR5D

# HanOaki Wireless WiFi Smart Light Switch Module (Model 85F81OL22PO1827L3AR5D) Instruction Manual

Your guide to installation, operation, and maintenance.

## 1. INTRODUCTION

Thank you for choosing the HanOaki Wireless WiFi Smart Light Switch Module. This 4-channel smart switch module is designed to provide convenient control over your lights and appliances through Wi-Fi, RF remote, and voice commands. Please read this manual carefully before installation and operation to ensure proper use and safety.

## 2. SAFETY INFORMATION

- **Electrical Hazard:** Installation should only be performed by a qualified electrician or service personnel. Ensure power is OFF at the circuit breaker before installation.
- **Indoor Use Only:** This device is intended for indoor use in dry locations. Do not expose to moisture or extreme temperatures.
- **Load Capacity:** Do not exceed the maximum load capacity specified in the product specifications. Overloading can cause damage or fire.
- **Compatibility:** Ensure compatibility with your existing electrical system and connected devices.
- **Children:** Keep out of reach of children.

## 3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x HanOaki Wireless WiFi Smart Light Switch Module (Model 85F81OL22PO1827L3AR5D)
- 1 x User Manual (This document)
- *Note: Additional accessories like mounting screws or wiring connectors may be included depending on the specific package.*

## 4. PRODUCT OVERVIEW

The HanOaki Smart Light Switch Module is a 4-channel device designed for smart home integration. It features multiple

input and output terminals for connecting various electrical loads.



**Figure 4.1:** Top view of the HanOaki 4-channel smart switch module. This image displays the device's main body, including the four circular buttons for manual control (L1, L2, L3, L4) on the left side. The central label provides product details such as "4-gang Wi-Fi Smart Switch," "Model: 4CHR3," "Input: 100-240V AC," and "Output: 10A/Gang 16A/Total." On the right side, four indicator LEDs (L1, L2, L3, L4) are visible, corresponding to each channel's output status. The bottom edge shows terminals labeled 'N' (Neutral) and 'L' (Live) for power input, and 'Out L1', 'Out L2', 'Out L3', 'Out L4' for load outputs.



**Figure 4.2:** Detailed view of the HanOaki 4-channel smart switch module. This image provides a closer look at the device's components. On the left, the four manual control buttons (L1, L2, L3, L4) are clearly visible. The central section shows the product label with specifications. The right side features the output terminals (L1, L2, L3, L4) and their corresponding indicator lights. The bottom edge displays the main power input terminals (N, N, N, N for Neutral and L for Live) and the output terminals for each channel. The overall design is compact and white, suitable for integration into electrical systems.



**Figure 4.3:** Side and bottom views of the HanOaki 4-channel smart switch module. This image illustrates the device's physical dimensions and mounting features. The top part shows the main body with the product label and input/output terminals. Below this, two inset images highlight specific features. The left inset focuses on the side of the module, showing the mounting tabs with screw holes, indicating it can be mounted on a guide rail. The right inset provides a close-up of the terminal block, revealing the individual connection points for wiring, ensuring secure electrical connections.

**Key Features:**

- 4-Channel independent control
- Wi-Fi connectivity for app control
- RF 433MHz remote control support
- Voice control compatibility (Google Home)
- Guide rail mountable design

**5. SPECIFICATIONS**

| Parameter    | Value                                      |
|--------------|--------------------------------------------|
| Model Number | 85F81OL22PO1827L3AR5D (4CH Pro-R3 variant) |

|                       |                                               |
|-----------------------|-----------------------------------------------|
| Input Voltage         | AC 100-240V                                   |
| Output Current        | 10A/Gang, 16A/Total Max                       |
| Wi-Fi Standard        | IEEE 802.11 b/g/n 2.4GHz                      |
| RF Control            | 433MHz (Compatible with RM433 remote control) |
| Dimensions            | 5.91 x 3.54 x 1.57 inches                     |
| Weight                | 7.5 ounces                                    |
| Operating Temperature | 0°C - 40°C (32°F - 104°F)                     |
| Operating Humidity    | 5% - 95% RH, Non-condensing                   |

## 6. SETUP AND INSTALLATION

### 6.1 Wiring Diagram

**WARNING:** Ensure the main power supply is turned OFF at the circuit breaker before performing any wiring. Incorrect wiring can cause electric shock or damage to the device.

1. Identify the Live (L) and Neutral (N) wires from your main power supply.
2. Connect the Live wire to the 'L' input terminal on the smart switch module.
3. Connect the Neutral wire to any 'N' input terminal on the smart switch module.
4. For each channel (L1, L2, L3, L4), connect the Live wire of your appliance/light to the corresponding 'Out L1', 'Out L2', 'Out L3', or 'Out L4' terminal.
5. Connect the Neutral wire of your appliance/light to the remaining 'N' input terminals. Ensure all Neutral wires are connected to the common Neutral line.
6. Secure all wire connections firmly.

*Refer to the markings on the device for precise terminal identification.*

### 6.2 Device Pairing (Wi-Fi)

To control the module via Wi-Fi, you need to pair it with the compatible smart home application (e.g., eWeLink app, if compatible with Sonoff devices as implied by the product description).

1. Download and install the appropriate smart home app on your smartphone.
2. Register an account and log in.
3. Power on the smart switch module. The Wi-Fi indicator LED should start blinking (refer to app instructions for specific blinking patterns for pairing mode).
4. In the app, select "Add Device" or the '+' icon.
5. Follow the on-screen instructions to connect the device to your 2.4GHz Wi-Fi network. You may need to enter your Wi-Fi password.
6. Once successfully paired, the Wi-Fi indicator LED will become solid, and the device will appear in your app.

### 6.3 RF Remote Pairing (Optional)

This module supports 433MHz RF remote control (e.g., RM433). To pair an RF remote:

1. Press and hold the pairing button on the smart switch module (usually one of the manual control buttons, or a dedicated pairing button, refer to device markings) for approximately 3-5 seconds until you hear a beep or see an

indicator light change.

2. Within 5 seconds, press the desired button on your RF remote control.
3. A successful pairing will be indicated by another beep or light flash.
4. Repeat for other channels if your remote has multiple buttons.

## 7. OPERATING INSTRUCTIONS

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### 7.1 Manual Control

Each channel (L1, L2, L3, L4) has a corresponding physical button on the module. Pressing a button will toggle the connected appliance/light ON or OFF for that specific channel.

### 7.2 App Control

After successful Wi-Fi pairing, you can control the module using the smart home app:

- Open the app and select your device.
- You will see individual controls for each of the four channels.
- Tap the respective channel icon to turn the connected device ON or OFF.
- The app may also offer features like scheduling, timers, and scene creation.

### 7.3 Voice Control (Google Home)

To use voice commands, ensure your smart home app is linked with your Google Home account.

1. Open the Google Home app.
2. Go to "Set up device" > "Works with Google".
3. Search for and link your smart home app account.
4. Once linked, you can use voice commands such as:
  - "Hey Google, turn on [Device Name] L1"
  - "Hey Google, turn off [Device Name] L2"
  - "Hey Google, turn on all lights" (if configured in Google Home)

*Replace "[Device Name]" with the name you assigned to your switch module or individual channels in the smart home app.*

### 7.4 RF Remote Control

If you have paired an RF remote, simply press the corresponding button on the remote to toggle the connected channel ON or OFF.

## 8. MAINTENANCE

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- **Cleaning:** Disconnect power before cleaning. Wipe the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Periodically check the smart home app for available firmware updates to ensure optimal performance and security.
- **Environmental Conditions:** Ensure the device operates within the specified temperature and humidity ranges to prolong its lifespan.

## 9. TROUBLESHOOTING

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| Problem                              | Possible Cause                                                            | Solution                                                                                                                           |
|--------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Device not powering on.              | No power supply; incorrect wiring.                                        | Check circuit breaker. Verify Live and Neutral wire connections.                                                                   |
| Cannot connect to Wi-Fi.             | Incorrect Wi-Fi password; 5GHz Wi-Fi network; device too far from router. | Ensure correct 2.4GHz Wi-Fi password. Move device closer to router. Reset device and try pairing again.                            |
| Appliance not responding to control. | Appliance not properly connected; channel overloaded; device offline.     | Check wiring of the appliance to the correct output channel. Ensure load does not exceed 10A per channel. Verify Wi-Fi connection. |
| Voice control not working.           | App not linked to Google Home; incorrect device name.                     | Ensure smart home app is correctly linked in Google Home. Verify device names.                                                     |
| RF remote not working.               | Remote not paired; remote battery low.                                    | Re-pair the RF remote. Replace remote battery if applicable.                                                                       |

## 10. WARRANTY AND SUPPORT

HanOaki products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your purchase or contact your retailer. For technical support or further assistance, please contact HanOaki customer service through the contact information provided on our official website or your purchase platform. *Please retain your proof of purchase for warranty claims.*

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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.

Submit question

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