Hapadif MH100

Hapadif Smart Bridge (Hub) MH100 User Manual

Model: MH100

1. Introduction

The Hapadif Smart Bridge (Hub) MH100 is designed to enable smart control for motorized shades. This device connects your motorized shades to smart home ecosystems like Alexa and Google Assistant, allowing for convenient control via a smartphone application or voice commands. It facilitates advanced scene controls based on various environmental factors and schedules.

2. Safety Information

- Ensure the device is used in a dry environment.
- Do not expose the device to extreme temperatures or direct sunlight.
- Keep out of reach of children.
- Use only with compatible USB power adapters.

3. Product Overview

The Hapadif Smart Bridge (Hub) MH100 is a compact device that acts as a central controller for your smart motorized shades. It features a USB connection for power and communicates wirelessly with your home network and compatible shades.



Image 1: The Hapadif Smart Bridge (Hub) MH100 device.

4. Setup Instructions

4.1 Powering the Device

1. Connect the Hapadif Smart Bridge (Hub) MH100 to a standard USB power adapter (not included).
2. Plug the USB power adapter into a wall outlet. The device will power on automatically.



Image 2: Illustrates the USB connection for power and the requirement for 2.4G WiFi.

4.2 Connecting to 2.4GHz WiFi

The Smart Bridge operates exclusively on a 2.4GHz WiFi network. Ensure your router is configured to support 2.4GHz, and your smartphone is connected to this network during the setup process.

4.3 Pairing with the Tuya App

1. Download the Tuya Smart app from your device's app store (iOS or Android).
2. Register or log in to your Tuya Smart account.
3. Follow the in-app instructions to add a new device. Select 'Gateway' or 'Hub' from the device categories.
4. Ensure the Smart Bridge is in pairing mode (refer to the device's indicator light for status).
5. Complete the pairing process by entering your 2.4GHz WiFi network credentials when prompted.

4.4 Integrating with Alexa/Google Assistant

Once the Smart Bridge is successfully paired with the Tuya app, you can link it to your Amazon Alexa or Google Assistant account:

1. Open the Alexa or Google Home app.
2. Navigate to the 'Skills & Games' (Alexa) or 'Works with Google' (Google Home) section.
3. Search for and enable the 'Tuya Smart' skill/service.
4. Log in with your Tuya Smart account credentials.
5. Discover devices. Your motorized shades connected via the Smart Bridge should now appear and be controllable through Alexa or Google Assistant.



Image 3: Demonstrates compatibility with Google Assistant and Amazon Alexa.

5. Operating Instructions

5.1 Controlling Motorized Shades via Tuya App

After successful pairing, you can control your motorized shades directly from the Tuya Smart app. The app allows you to open, close, or adjust the position of individual shades or groups of shades.

5.2 Setting Up Scene Controls

The Tuya app enables advanced automation through scene creation. You can configure your shades to react to various conditions:

- **Timing:** Schedule shades to open or close at specific times.
- **Weather:** Adjust shades based on local weather conditions (e.g., close if sunny).
- **Sunrise/Sunset:** Automate shades to open or close with natural light cycles.

- **Humidity/Wind Speed:** Create rules based on environmental sensor data.
- **Location:** Trigger actions when you enter or leave a defined geographical area.

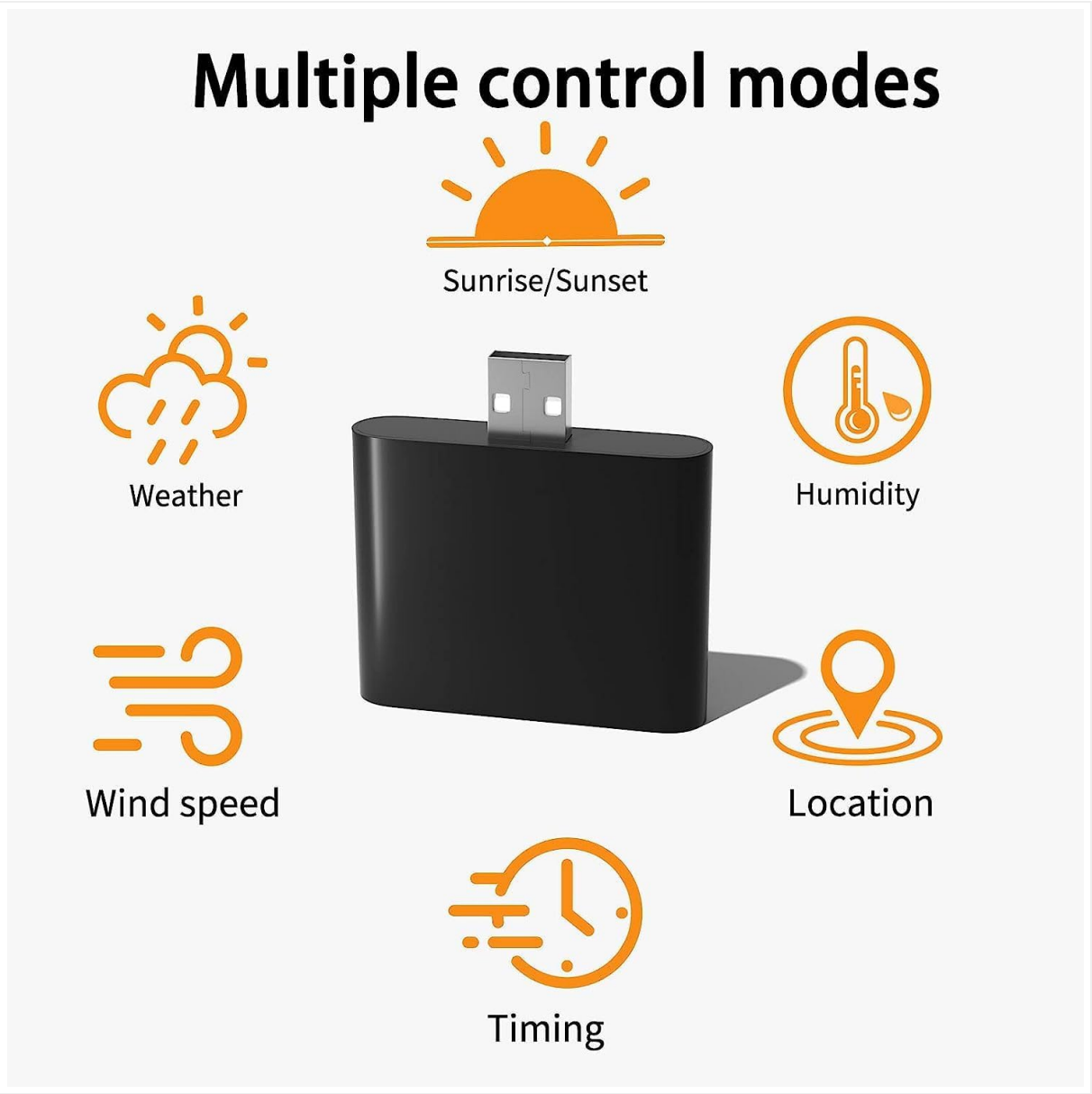


Image 4: Example of scene creation options within the Tuya app, including timing, weather, and location-based triggers.



Image 5: Visual representation of various control modes supported, such as Sunrise/Sunset, Weather, Humidity, Wind Speed, Location, and Timing.

5.3 Voice Control

Use voice commands through your Alexa or Google Assistant device to control your shades. Examples:

- "Alexa, open the living room shades."
- "Hey Google, close the bedroom blinds."

6. Maintenance

The Hapadif Smart Bridge (Hub) MH100 requires minimal maintenance. Keep the device clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or abrasive materials.

7. Troubleshooting

- **Device not powering on:** Ensure the USB cable is securely connected to both the Smart Bridge and a functional USB power adapter, and the adapter is plugged into a live outlet.
- **Unable to connect to WiFi:**
  - Verify your WiFi network is 2.4GHz. The Smart Bridge does not support 5GHz networks.
  - Check your WiFi password for accuracy.
  - Ensure the Smart Bridge is within range of your WiFi router.

- Restart your router and the Smart Bridge, then attempt pairing again.

- **Shades not responding to app/voice commands:**
  - Confirm the Smart Bridge is online in the Tuya Smart app.
  - Verify that the shades are correctly paired with the Smart Bridge.
  - For voice control, ensure the Tuya Smart skill/service is linked correctly in your Alexa or Google Home app and that devices have been discovered.
  - Check for any internet connectivity issues.

- **Intermittent connectivity issues:** This can sometimes be resolved by repositioning the Smart Bridge closer to your WiFi router or ensuring there are no major obstructions. If issues persist, contact customer support.

8. Specifications

Model	MH100
Brand	Hapadif
Material	Polyvinyl Chloride (PVC)
Product Dimensions	Approximately 2"L x 2"W x 2"H
Number of Items	1
Operation Mode	Automatic
Control Type	App
Wireless Connectivity	2.4GHz WiFi

9. Warranty Information

Please refer to the product packaging or the seller's website for specific warranty terms and conditions. Typically, products come with a limited manufacturer's warranty covering defects in materials and workmanship.

10. Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact Hapadif customer support through the contact information provided on your purchase receipt or the official Hapadif website. When contacting support, please have your product model (MH100) and purchase details available.