

Multi-Mode Gateway 2.0 Operation Manual (Bridge Version Without Remote Control) V1.0.0

Revision History

Date	Description	Version	Author
2025/6/18	Initial version	V0.0.1	TAOYULING
2025/6/20	Revised pairing process between gateway, T-remote, and system; updated MATTER module status; added voice function and Home App instructions	V0.0.2	TAOYULING
2025/7/4	Added MATTER compatible platforms; updated smart voice command list	V0.0.3	TAOYULING
2025/9/17	Revised pairing code display instructions	V0.0.4	TAOYULING
2025/9/25	Revised remote learning display instructions; added cross-platform connection	V0.0.5	TAOYULING
2026/1/12	Revised display instructions and pairing process between gateway, T-remote, and system	V0.0.6	TAOYULING
2026/1/27	Optimized button functions, smart voice response time, voice pairing operation	V0.0.7	TAOYULING
2026/3/23	Removed T-remote bridge function; adopted device ID control version	V1.0.0	TAOYULING

Gateway & Blinds System Pairing & Control

Two methods are available; choose one based on actual needs.

Method 1: Pairing with T-Remote Bridge

For scenarios requiring T-remote control.

1. Remote & Receiver Pairing: Start from channel 1 of T-remote, pair with blinds receivers one by one. 1 channel = 1 receiver, max 15 receivers.
2. Factory Reset: Reset all devices after pairing for accuracy.
3. Learn Remote: Gateway learns T-remote signals and auto- creates device ID list.
4. Gateway & Apple Home Pairing: Complete system access.

Method 2: Direct Connection Without T-Remote

For direct gateway control.

1. Factory Reset: Reset all devices first.
2. Gateway & Receiver Pairing: Use smart voice pairing from channel 1. 1 channel = 1 receiver, max 5 receivers.
3. Create Device List: Gateway auto- creates list after pairing.
4. Gateway & Apple Home Pairing: Complete system access.

1. Button Function List

Pairing Mode	Function	Operation
Method 1	Learn Remote (First Pair)	1. Place gateway, T-remote, and receiver close together. Short- press button; beeper beeps once, red light on. Select max channel on target remote, press P2 three times. 2. Green light flashes; auto- creates device ID list. Beeps once per ID received. 3. Green light stops flashing → pairing success. Retry: Press P2 once. Timeout: No operation within 10s. Cancel: Short- press

		button.
Method 2	Create Blinds List	1. Place gateway and receiver close together. Long- press button 3–5s; red light flashes quickly, release, red light stays on; short- press button. 2. Green light flashes; auto- creates device ID list. Beeps once per ID received. 3. Green light stops flashing → list created. Timeout: No operation within 10s. Cancel: Wait timeout.
Method 1/2	Factory Reset	1. Long- press button 7–10s; green light flashes quickly, release, green light stays on; short- press button → reset success. System reboots, red light flashes 15min (ready to pair). Timeout: No operation within 10s. Cancel: Wait timeout. Clears remote info, blinds info, Matter network info.

2. Matter Compatible Platforms

Apple, Google, Amazon, Samsung, OPPO, vivo

3. Matter Status Description

- Matter devices can be networked only once. Re- networking requires factory reset.
- Unpaired: Auto- enable Bluetooth broadcast 15min after power- on (red light flashes 15min).
- Re- open pairing window: Beeper 100ms beep, red light flashes 15min.
- Connected session (app control available) / Paired / Online: Beeper 3×100ms beeps, green light on 3s.
- Offline / Pairing closed / Disconnected: Beeper 500ms long beep, red light on 3s.

4. Apple Home & Apple Speaker Pairing

Prerequisites:

- iPhone/iPad iOS 16.3+, Apple ID signed in (2FA enabled)
- iPhone connected to 2.4GHz Wi-Fi, Bluetooth on
- “Home” app installed

First-Time Pairing Steps

1. Plug in power; wait for prompt and white light flashing on HomePod mini/HomePod.
2. Unlock iPhone/iPad and bring close; tap “Setup” when HomePod appears.



3. Center HomePod in camera view; or tap “Enter Password Manually” and input 4- digit code from Siri.



4. Customize settings as prompted.



5. Wait setup completion; tap “Done”.



5. Apple Home & Gateway Pairing

Prerequisites:

- All devices on same 2.4GHz Wi-Fi, Bluetooth on
- “Home” app installed
- Gateway powered on and ready to pair (red light flashes 15min)

Add New Device

1. Open Home app → tap + → “Add Accessory”
2. Scan Matter QR code

3. Tap “Add Accessory to Network”

4. Customize settings as prompted

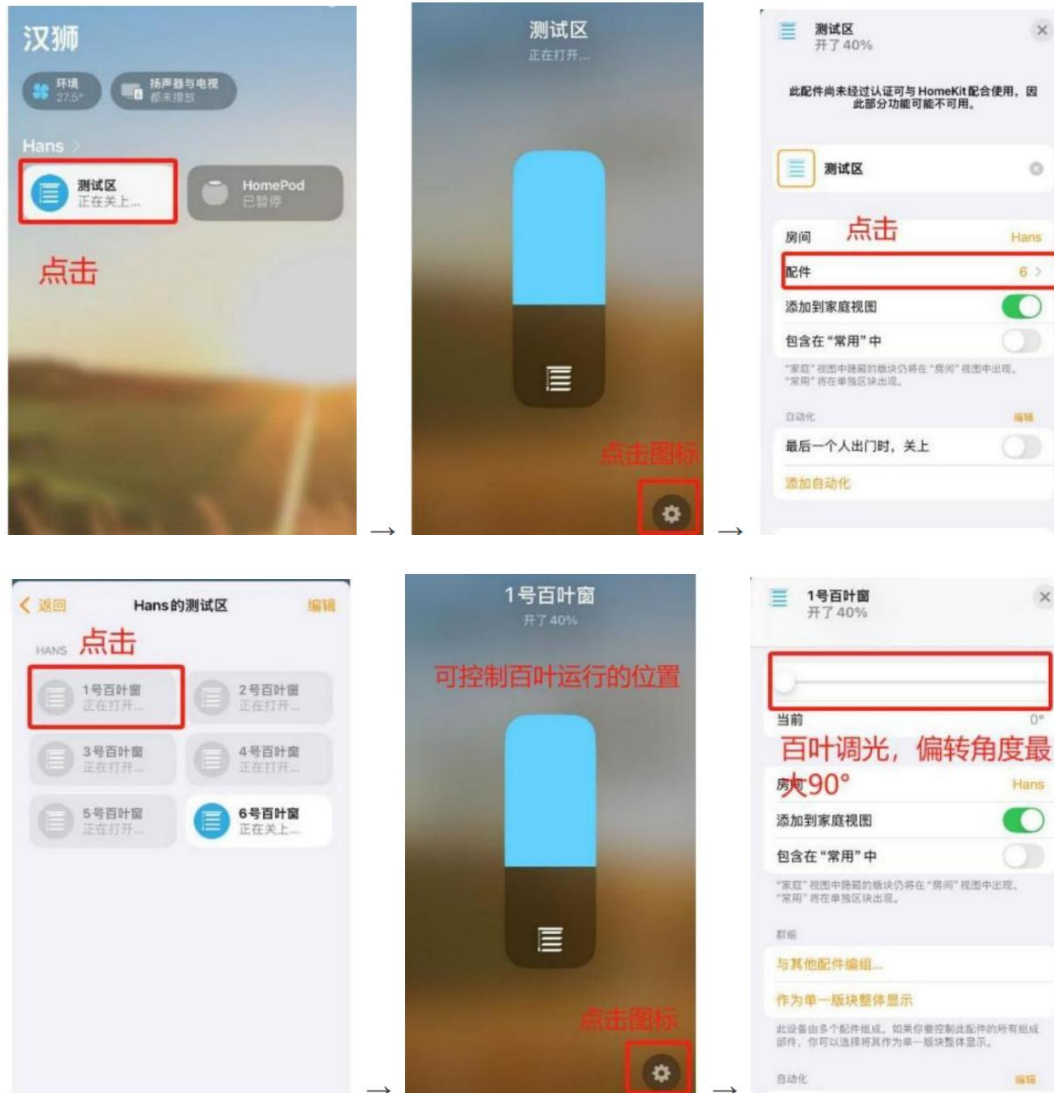
6. Apple Home App Interface

- Group multiple devices for group up/down

Slider: 0%–49% = group down; 50%–100% = group up



- Single device control (when grouped)



7. Smart Voice

Function List

Mode	Function	Operation
Method 1/2	Voice Wakeup	CN: "Hello Xiaoguang", "Xiaoguang Xiaoguang" EN: "Hello HANS" Beeper 1s.
Method 1/2	Sleep	Sleep after 15s no operation; beeper 2×100ms beeps.
Method 1/2	Voice Control	Executes valid command; beeper 1s.

Method 1	Learn Remote	CN: "Learn remote control" EN: "Learn the remote control" Beeper 1s. Select channel on remote, press P2 three times → success (3 beeps). Matter re- opens pairing window (red flash 15min). Already paired? Must factory reset first.
Method 2	Pairing Code	CN: "Pair channel 1" EN: "Match code with No.1 blind" Beeper 1s; done → 3 beeps.

Smart voice command table:

命令词卡			Command Instructions			对码	
唤醒词: 小光小光、你好小光			Wake up Words: Hello HANS			Match Code with No.1 Blind	对码一号频道
打开一号窗帘	关闭一号窗帘	停止一号窗帘	2	Open No.1 Blind	Close No.1 Blind	Stop No.1 Blind	
打开二号窗帘	关闭二号窗帘	停止二号窗帘	3	Open No.2 Blind	Close No.2 Blind	Stop No.2 Blind	对码二号频道
打开三号窗帘	关闭三号窗帘	停止三号窗帘	4	Open No.3 Blind	Close No.3 Blind	Stop No.3 Blind	对码三号频道
打开四号窗帘	关闭四号窗帘	停止四号窗帘	5	Open No.4 Blind	Close No.4 Blind	Stop No.4 Blind	对码四号频道
打开五号窗帘	关闭五号窗帘	停止五号窗帘	6	Open No.5 Blind	Close No.5 Blind	Stop No.5 Blind	对码五号频道
打开所有窗帘/	关闭所有窗帘/	停止所有窗帘/	7	Open ALL the Blinds	Close ALL the Blinds	Stop ALL the Blinds	
打开全部窗帘	关闭全部窗帘	停止全部窗帘	8	Turn Left	Turn Right		
上翻页/下翻页	左翻页/右翻页		Notice: Before any voice command, please wake up the socket by Wake up words, otherwise the socket cannot start to recognize any instructions.				
温馨提示: 在进行任何操作前, 均需要先唤醒若不唤醒, 则无法进行任何命令操作。							
中文模式转英文模式: 切换英文模式							
英文模式转中文模式: Please switch to Chinese MODE							

命令词条

8. Cross-Platform Connection (Apple Home → Tuya Example)

Prerequisites:

- Gateway already paired in Apple Home
- Tuya App v6.10.0+ (supports Matter)

Add to Tuya App

1. Open Apple Home → enter pairing mode → copy setup code



2. Open Tuya → tap + → “Scan” → “Enter Setup Code” → paste code



3. Follow prompts; device appears in Tuya list

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.