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tuya RT1 Touch Wheel RF Remote Controller User Guide

Contents

tuya RT1 Touch Wheel RF Remote Controller

Product Information

Specifications

- Model No.: RT1/RT6/RT8
- Dimensions:
  - RT1: 53.00 mm x 17.50 mm
  - RT6: 122.00 mm x 53.50 mm
- Zone Dimming: 1, 4, 8 zones
- Wireless Remote Range: 30m
- Battery: AAAx2
- Magnet on back for easy attachment

Product Usage Instructions

Mechanical Structures and Installations

The RT1/RT6/RT8 Touch Wheel RF Remote Controller comes with different zone dimming capabilities and a touch color wheel. It operates wirelessly with a range of 30m and is powered by AAAx2 batteries. The back of the remote features a magnet for easy attachment.

Operation

When turning on the light, the indicator will display blue, and when turning off the light, it will display red. Touching the color wheel will display the selected color. If there is no touch or press key operation after a few seconds, the touch wheel will enter sleep state to extend battery life.

Match Remote Control

There are two ways to match or delete remotes:

- **Using the Controller's Match Key:** Short press match key and immediately press on/off key or zone key of the remote. LED indicator fast flash indicates successful match or delete.
- **Power Restart Match:** Switch off and on the power, then press on/off key or zone key on the remote multiple times for matching or deleting remotes.

Key Functions – RT1 1 Zone Dimming Remote

- S1: Turn on/off light.
- S2: Touch to change brightness.
- S3: Adjust brightness (short press for 10 levels, long press for continuous adjustment).
- S4: Small night brightness (10%).
- 30s: Turn off light after 30s (long press for 60s).
- Brightness Levels: 25%, 50%, 75%, 100%.

FAQ

How do I replace the batteries in the remote controller?

To replace the batteries, simply open the battery compartment on the back of the remote and insert two AAA batteries following the correct polarity.

What should I do if the remote control is not responding?

If the remote control is not responding, first check the battery level and replace if necessary. You can also try re-matching the remote control with the receiver following the provided instructions.

Model

1,4 ,8 zone dimming/Touch color wheel/Wireless remote 30m distance/AAAx2 battery/Magnet stuck fix

RT1
1 Zone Dimming

RT6
4 Zone Dimming

RT8
8 Zone Dimming

Features

- Apply to single-color LED controller.
- Ultra sensitive color a ● djustment touch wheel.
- Each remote can match one or more receiver.
- AAAx2 battery powered.
- Operate with LED indicator light.
- Magnet on the back which can be stuck on back holder

Technical Parameters

Input and Output	
Output signal	RF(2.4GHz)
Working voltage	3VDC(AAAx2)
Working current	5mA
Standby current	10µA
Standby time	1 year
Remote distance	30m(Barrier-free space)

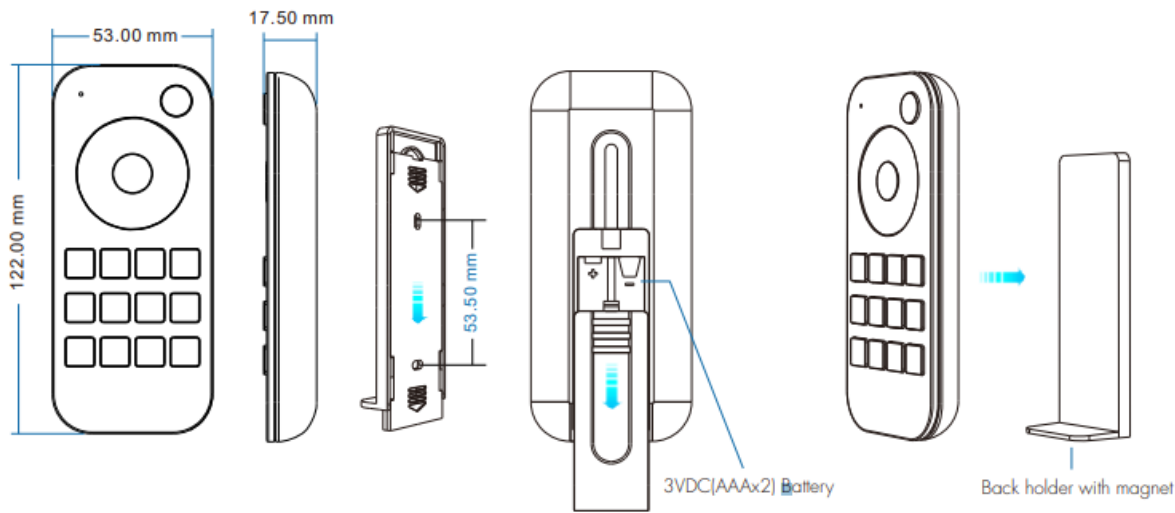| Environment	
Operation temperature	Ta: -30 OC ~ +55 OC
IP rating	IP20

Safety and EMC	
EMC standard (EMC)	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Safety standard(LVD)	EN 62368-1:2020+A11:2020
Radio Equipment(RED)	ETSI EN 300 328 V2.2.2
Certification	CE,EMC,LVD,RED

Weight	
Net weight	48 g
Gross weight	88g

Warranty

- Warranty 5 years

Mechanical Structures and Installations

3VDC(AAAx2) Battery

Back holder with magnet

To Fix the remote, three options are offered for selection:

- Option 1: stuck the remote on any metal surfaces directly.
- Option 2: fix the remote' back holder on the wall with two screws.
- Option 3: adhere the remote' back holder to the wall with paster

Operation

- When turn on light, the indicator display blue. when turn off light, the indicator display red.
- When touch the color wheel, the indicator will display the same color.
- When press or touch operation is invalid (If the light is off), the indicator display red.
- To extend battery life, no touch or press key operation after a few seconds, the touch wheel will enter sleep state, you need press any key to make touch wheel quit sleep state.

Match Remote Control (two match ways)

End user can choose the suitable match/delete ways. Two options are offered for selection

Use the controller's Match key

- **Match:**
  - Short press match key, immediately press on/off key (single zone remote) or zone key (multiple zone remote) of the remote. The LED indicator fast flash a few times means match is successful
- **Delete**:
  - Press and hold match key for 5s to delete all match, The LED indicator fast flash a few times means all matched remotes were deleted.

Use Power Restart

- **Match:**
  - Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 3 times on the remote. The light blinks 3 times means match is successful.
- **Delete:**
  - Switch off the power, then switch on power, repeat again. Immediately short press on/off key (single zone remote) or zone key (multiple zone remote) 5 times on the remote. The light blinks 5 times means all matched remotes were deleted.

Key function

- **RT1 1 zone dimming remote**

: Turn on/off light.

: Touch to change brightness.

: Adjust brightness, short press 10 levels,
long press 1-6s for continuous 256 levels adjustment.

: Small night brightness (10%).

: Turn off light after 30s, long press 2s will turn off light after 60s.

: 25%, 50%, 75%,100% brightness.

: Short press recall the scene,
long press 2s save current brightness into S1/2/3/4.
the LED indicator display green when save OK.

- **RT6 4 zone dimming remote**

: Short press turn on/off all zone light.

: Touch to change current zone brightness.

: Short press select and turn on zone light,
long press 2s turn off zone light.
Short press multiple zone key fastly,
will select multiple zone synchronously.

: 25%, 50%, 75%,100% brightness for current selected zone.

: Short press recall the scene,
long press 2s save current state into S1/2/3/4.
the LED indicator display green when save OK.
4 zone recall or save synchronously.

The remote can be used as 4 zone dimming remote or single-zone 4-channel dimming remote.

- On/Off + 4: Long press 2s set as 4 channel dimming remote, only match with one or multiple receiver of 4 channel, such as V4 or C4 controller.
- On/Off + 1: Long press 2s set as 4 zone dimming remote, each zone match with one or multiple receivers.

When set ok, the red indicator will light on longer.

- **RT8 8 zone dimming remote**

⏻ : Short press turn on/off all zone light.

◐ : Touch to change current zone brightness.

1 2 3 4 / 5 6 7 8 : Short press select and turn on zone light, long press 2s turn off zone light. Short press multiple zone key fastly, will select multiple zone synchronously.

S₁ S₂ S₃ S₄ : Short press recall the scene, long press 2s save current state into S1/2/3/4. the LED indicator display green when save OK. 8 zone recall or save synchronously.

Safety information

1. Read all instructions carefully before you begin this installation.
2. When installing battery, pay attention to the battery positive and negative polarity.
   - A long time without the remote control, remove the battery. When remote distance becomes smaller and insensitive, replace the battery.
3. If no response from the receiver, please re-match the remote.
4. Gently handle remote, beware of falling.
5. For indoor and dry location use only

Documents / Resources

	tuya RT1 Touch Wheel RF Remote Controller [pdf] User Guide RT1 Touch Wheel RF Remote Controller, RT1, Touch Wheel RF Remote Controller, Wheel RF Remote Controller, RF Remote Controller, Remote Controller, Controller

References

- **User Manual**