Venetian Blind Zigbee Motor User Manual

01 Product Info

Pairing Button
Antenna
Power line
Module connection wire
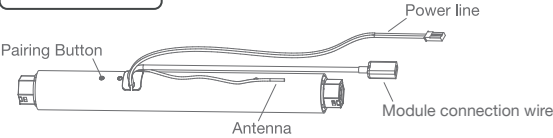
Remote Controller Buttons

LED
Stop
CH-
Fav
Up
CH+
Down
Prg

Working temperature
55℃
-10℃

CR2450 3V
CR2450
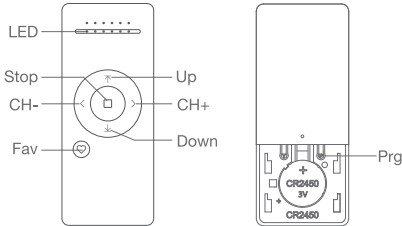
Models & Parameters (more info please refer to the nameplate)

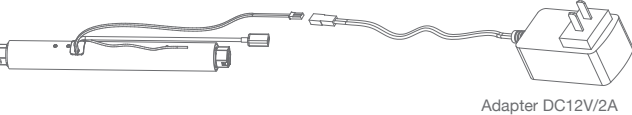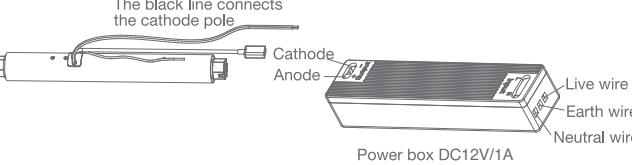| JCV	24	S	AE	D	08	30	Z
AC Motor	24:φ25mm	S:Standard	AE:with adapter supply	Dual driving	Torque:0.8N.m	Speed: 30Rpm	Z:external Zigbee module

02 Installation

Venetian motor
Rope winder
Wall bracket
Power box
U-shape plate
U-shape groove
Venetian bottom beam
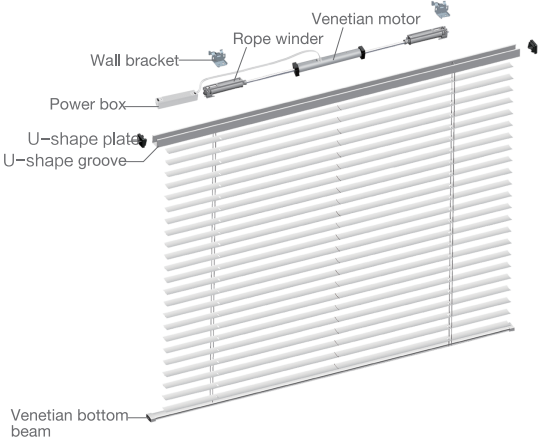
03 Power Options

Adapter

Adapter DC12V/2A

Power box

The black line connects the cathode pole
Cathode
Anode
Live wire
Earth wire
Neutral wire

Power box DC12V/1A

04 Caution!

1.This product is for indoor use only, do not use outdoor or in humid environments.
2.Power supply: adapter 12V/2A,power box 12V/1A.
3.The motor will jog in operation, please do not proceed to the next step until it complete.
4.During operation, the effective interval of the transmitter button operation is 10 seconds.
  If there is no effective transmitter operation for more than 10 seconds, it will automatically exit the current mode.
5.The motor can be paired with max 10 controllers.
6.Upper&Lower limits cannot be set at the same position, limits saved even power off.
7.The motor runs constantly for at 6 mins max without any other operation.
8.Do not lift the motor by grabbing and pulling the power wire or the antenna.
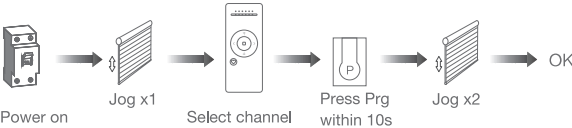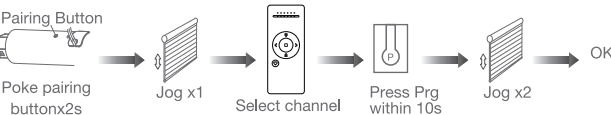
05 Instructions

Pairing Button functions

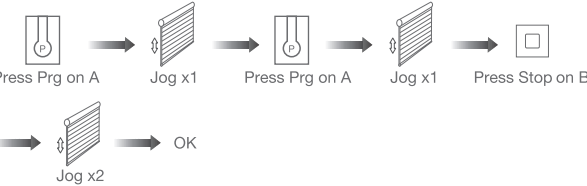| Functions	Operation	Jogging time	Note
Control the UP/STOP/DOWN of the shade	Short press	/	It should be used when limits being set
Adding/Removing Controller	Hold for 2s	Jog*1	Operation needs be done within 10s
RF Control Inactive	Hold for 6s	Jog*2	Hold Pairing button for 6s, jog twice to show the motor RF control is inactive; Hold Pairing button for 2s, the RF control is active again.
Direction Reverse	Hold for 10s	Jog*3	All settings saved after direction reversed
Reset	Hold for 16s	Jog*4	All settings deleted

a.Pairing Motor with Controller

Way 1: Before adding a new controller

Power on → Jog x1 → Select channel → Press Prg within 10s → Jog x2 → OK

Way 2: After motor is powered on for more than 10s

Pairing Button
Poke pairing buttonx2s → Jog x1 → Select channel → Press Prg within 10s → Jog x2 → OK

Way 3:Power on,add controller B via pre-existing controller A

Press Prg on A → Jog x1 → Press Prg on A → Jog x1 → Press Stop on B → Jog x2 → OK

Note: Pairing can not be done under group channel or 0 channel.

b.Direction Reverse

Correct

Up → Shade goes up   Down → Shade goes down

If the limits are not set, and direction goes opposite.

Fav & Stop x2s → Jog x1 → Direction reversed
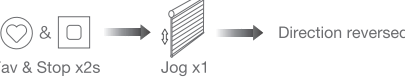
If limits are set and direction goes opposite.

Prg → Jog x1 → Up x1 → Jog x1 → Down x1 → Jog x1 → OK
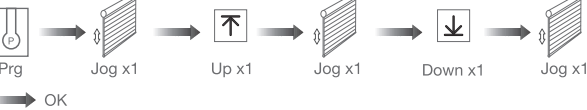
Note: Do reverse the direction when it goes opposite.

c.Upper&Lower Limits Setting

Up or Down → Fix upper point → Up & Fav x2s → Jog x2 → Upper limit set

Up or Down → Fix lower point → Down & Fav x2s → Jog x2 → Lower limit set
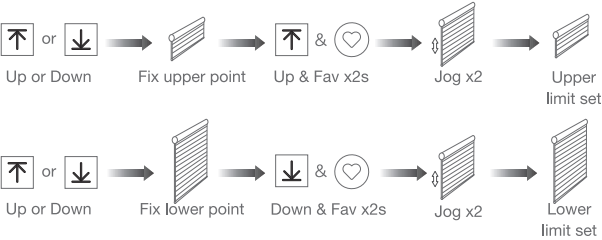
Note: Upper&Lower limits cannot be set at the same point.
Before limits set, the motor will run in one-touch mode by pressing Up or Down, hold Up or Down for 2s, motor runs in constant-touch mode.
Once limits set, press Up or Down, motor runs in constant-touch mode.

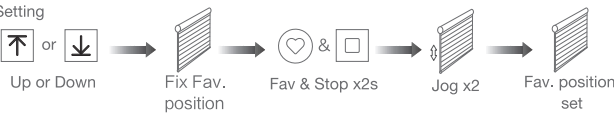## d.One-touch/Constant-touch Mode

Constant-touch -------->One-touch

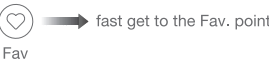Prg → Jog x1 → Stop → Jog x1 → Stop → Jog x1 → OK

Same operation can toggle from one-touch to constant -touch mode.
Note: When motor in one-touch mode, hold Up or Down for more than 2s, it will run in constant-touch mode.

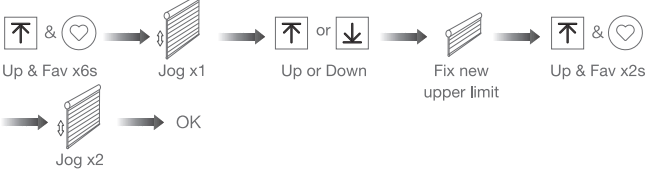## e.Setting and Cancelling Favorite Position

Setting

Up or Down → Fix Fav. position → Fav & Stop x2s → Jog x2 → Fav. position set

Cancelling

Shade is at Fav. position → Fav & Stop x2s → Jog x1 → Fav. position Cancel

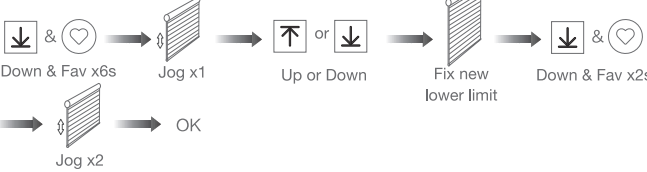## f.Hot key to the Fav. Position

Fav → fast get to the Fav. point

Note: The Fav.position setting only can be done after upper&lower limits set.

g. Adjusting Upper & Lower Limits
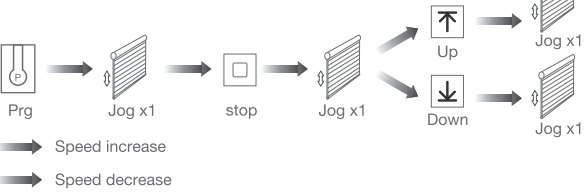
Adjust Upper limit

Up & Fav x6s → Jog x1 → Up or Down → Fix new upper limit → Up & Fav x2s

→ Jog x2 → OK

Adjust Lower limit

Down & Fav x6s → Jog x1 → Up or Down → Fix new lower limit → Down & Fav x2s

→ Jog x2 → OK

Note: The operation should be done within 4mins.

h. Adjusting Motor Speed

Prg → Jog x1 → stop → Jog x1 → Up → Jog x1 / Down → Jog x1

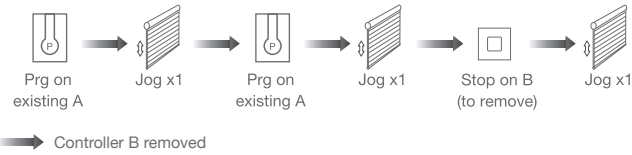→ Speed increase
→ Speed decrease

Note: If motor doesn't jog, the max/min speed has already been reached.
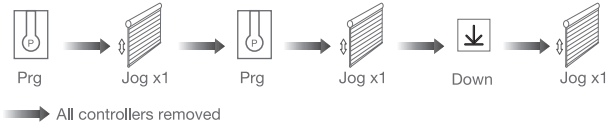There are 3 speeds adjustable.

i. Removing Controllers

Remove a single controller

Pairing Button

Poke pairing button x2s → Jog x1 → Prg → Jog x1 → OK

Remove controller B via pre-existing controller A

Prg on existing A → Jog x1 → Prg on existing A → Jog x1 → Stop on B (to remove) → Jog x1

→ Controller B removed

Remove all controllers:

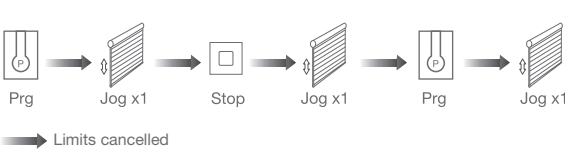Prg → Jog x1 → Prg → Jog x1 → Down → Jog x1

→ All controllers removed
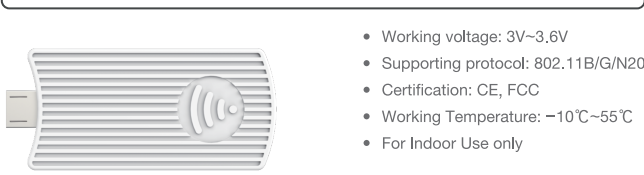
Note: All the settings are saved even controllers removed(limits set are saved).
Controller A/B are already paired to motor.

j. Cancelling Limits

Prg → Jog x1 → Stop → Jog x1 → Prg → Jog x1

→ Limits cancelled

Note: It is forbidden to run the motor if installed into the shade without limits.
Limits should be set immediately to protect the shade.

06 Installation & Connecting to external Zigbee module network

- Working voltage: 3V~3,6V
- Supporting protocol: 802.11B/G/N20
- Certification: CE, FCC
- Working Temperature: −10℃~55℃
- For Indoor Use only

*Connection requirement
a. Make sure the phone is connected to the Wi-Fi network
b. The Tuya Zigbee gateway device needs to be added to the "Smart Life" APP firstly, please refer to its manual for details.
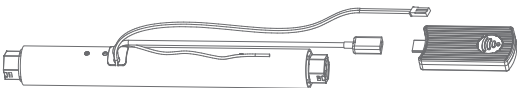
① Download APP

a. Search "Smart Life" in the app store or scan the QR code

b. Complete account registration and login to the app
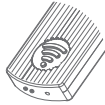
Smart Life

② Add Device

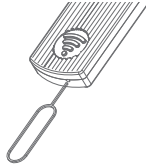a. Power on, insert Zigbee module to motor module connection wire

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b. Wait for 10s to see if the indicator is blinking

c. If indicator didn't blink, pls try:
Method 1: Long insert RESET button until indicator blinking, motor's ready to Zigbee connection

Note: You can try Method 2 if it is not easy to insert RESET on module

Method 2: Short Press Prg on back of controller, motor jogs once; short press Down, motor jogs once, then short press UP, motor jogs once and blue indicator blinks which means motor enters Zigbee connection status.
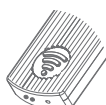
Prg → Jog x1 → Down x1 → Jog x1 → Up x1 → Jog x1
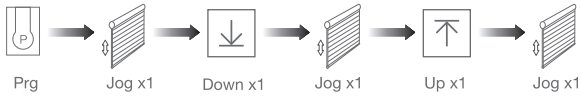
d. Find the added Tuya Zigbee gateway on the "Smart Life" App, click "+" to add a sub-device, and then click "LED already blink", the APP will automatically search for motor device
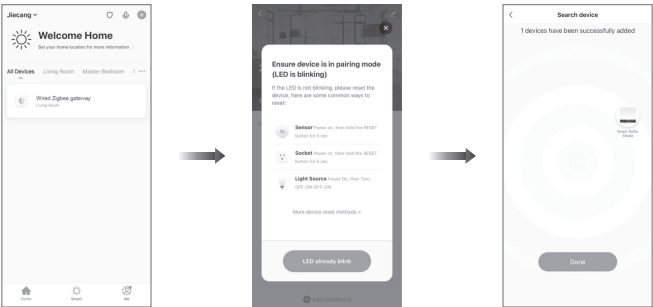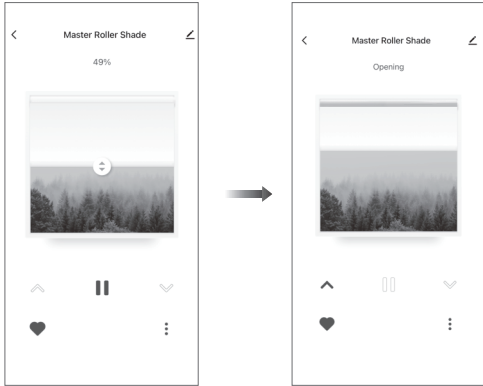
e. After adding successfully, click " ✎ " to modify the device name

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f. The Zigbee module indicator is always on after successful network connection.

g. Enter the main interface to control the operation of the venetian blind.

07 Troubleshooting

Fault	Cause	Solution
Motor does not work	1.Controller not paired 2.Motor inactive	1.Add controller 2.Poke Pairing button x2s to activate motor
Motor stops suddenly	1.Upper & Lower limit set incorrectly 2.Shade exceed rated load	1.Re-set Upper & Lower limits 2.Adjust load
Motor just goes in one direction	Wrong limits set	Cancel original limits, set new limits