Day/Night Shade Motor
User Manual

01 Product Info

Power line

Pairing Button

Antenna

Remote Controller Buttons

Up 1
Up 2
Stop 2
CH+
Stop 1
Down 1
Down 2
CH-
Fav

prg 1   prg 2
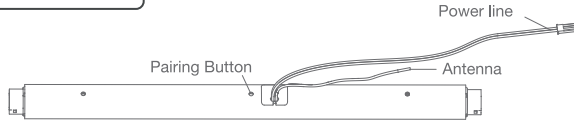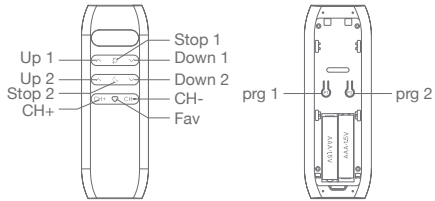
Working temperature

55℃
-10℃

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

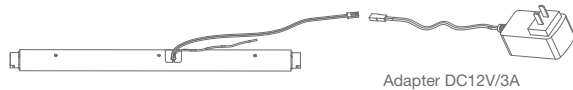| JCV	30	S	AE	D	06	30
AC Motor	30:φ24mm	S: Standard	AE:with adaptor supply (External Wi-Fi/Zigbee optional)	Dual driving	Torque:2*0.6N.m	Speed: 30Rpm

Installation requirements:
It is necessary to ensure that the marking end of the motor Day Shade is connected with the rope winder on the upper end of the Day Shade

02 Power Options

Adapter

Adapter DC12V/3A

03 Caution!

1. This product is for indoor use only, do not use outdoor or in humid environments.
2. Power supply: Adapter 12V/3A.
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.
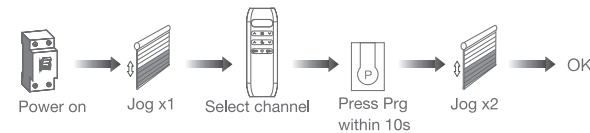8. Do not lift the motor by grabbing and pulling the power wire or the antenna.
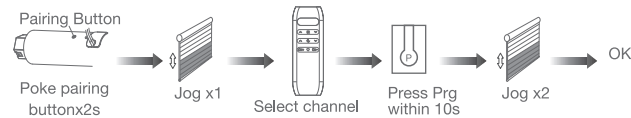
04 Instructions

Pairing Button functions

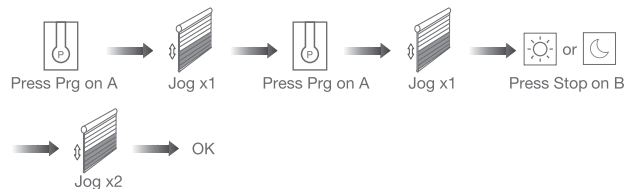| Functions	Operation	Jogging time	Note
Control the UP/STOP/DOWN of the shade	Short press	/	It should be used when limits being set
Adding/Removing Controller	Hold for 2s	Jog*1	Operation needs be done within 10s
RF Control Inactive	Hold for 6s	Jog*2	Hold Pairing button for 6s, jog twice to show the motor 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: Power on, add 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 button x2s   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: During operation, the effective interval of the remote controller button operation is 10 seconds. If there is no effective remote controller operation for more than 10 seconds, it will automatically exit the pairing mode.
If reconnect the power after poweroff, the motor will jog and enter the pairing mode automatically.
Pairing can not be done under group channel or 0 channel.

b.Direction Reverse

Correct

Up   Shade goes up   Down   Shade goes down
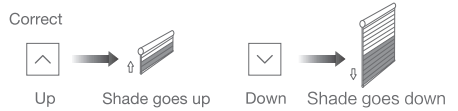
If the limits are not set, and direction goes opposite.

Fav & Stop x2s   Jog x1   Direction reversed
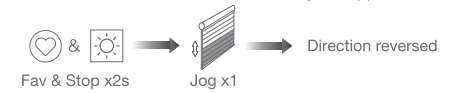
Note: If the motor has a limit, please delete the limit before reversing. Do reverse the direction when it goes opposite.

c.Upper&Lower Limits Setting

Limits setting sequence:
Day Shade upper limit —— Night Shade upper limit —— Night Shade lower limit —— Day Shade lower limit

Up 1 or Down 1   Fix Day Shade upper point   Up 1 & Fav x2s   Jog x2   Day Shade upper limit set

Up 2 or Down 2   Fix Night Shade upper point   Up 2 & Fav x2s   Jog x2   Night Shade upper limit set

Up 2 or Down 2   Fix Night Shade lower point   Down 2 & Fav x2s   Jog x2   Night Shade lower limit set

Up 1 or Down 1   Fix Day Shade lower point   Down 1 & Fav x2s   Jog x2   Day Shade 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 button to switch modes

Stop 1 x2s → Operation of Day Shade Mode:
The Day Shade is fully open and the Night Shade is fully closed

Stop 2 x2s → Operation of Night Shade Mode:
The Night Shade is fully open and the Day Shade is fully closed

Fav x2s → Natural Light Mode:
The Night/Day Shade is completely closed
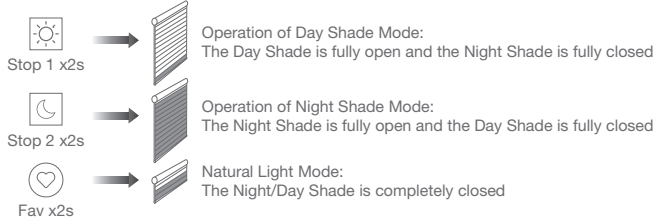
Note: One button to switch modes only can be done after upper&lower limit set.

e. One-touch/Constant-touch Mode

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

Prg → Jog x1 → Stop → Jog x1 → Stop → Jog x1 → OK
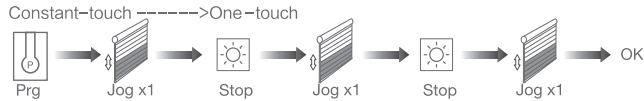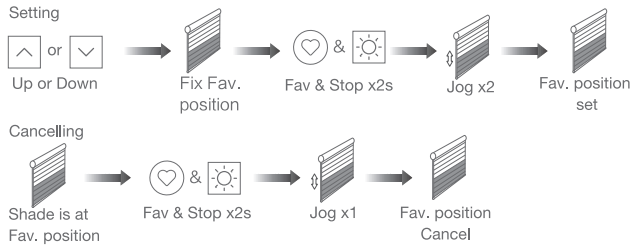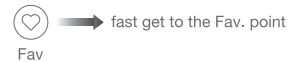
Same operation can toggle from one-touch to constant -touch mode.
Note: When motor in one-touch mode, hold Up or Down for more than 2s, it will run in
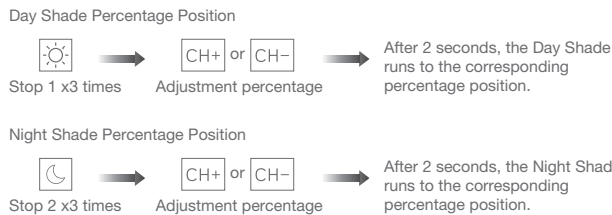constant-touch mode.

f. Setting and Cancelling Favorite Position

Setting

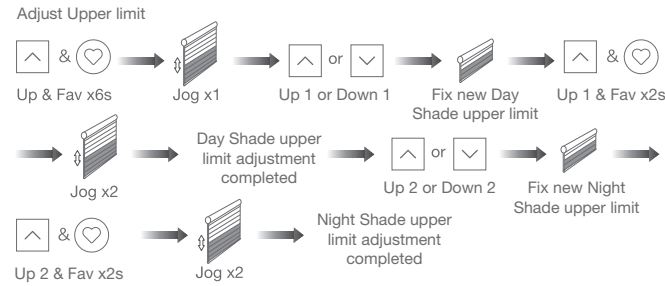Up or Down → Fix Fav. position → Fav & Stop x2s → Jog x2 → Fav. position set

Cancelling

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

g. 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.

## h. Shade Percentage Position Settings

Day Shade Percentage Position

Stop 1 x3 times → CH+ or CH- Adjustment percentage → After 2 seconds, the Day Shade runs to the corresponding percentage position.

Night Shade Percentage Position

Stop 2 x3 times → CH+ or CH- Adjustment percentage → After 2 seconds, the Night Shade runs to the corresponding percentage position.

i. Adjusting Upper & Lower Limits

Adjust Upper limit

Up & Fav x6s → Jog x1 → Up 1 or Down 1 → Fix new Day Shade upper limit → Up 1 & Fav x2s → Jog x2 → Day Shade upper limit adjustment completed → Up 2 or Down 2 → Fix new Night Shade upper limit → Up 2 & Fav x2s → Jog x2 → Night Shade upper limit adjustment completed

Limit setting sequence: Set the Day Shade upper limit before the Night Shade upper limit.

Adjust Lower limit

Down & Fav x6s → Jog x1 → Up 2 or Down 2 → Fix new Night Shade lower limit → Down 2 & Fav x2s → Jog x2 → Night Shade lower limit adjustment completed → Up 2 or Down 2 → Fix new Day Shade lower limit → Down 2 & Fav x2s → Jog x2 → Day Shade lower limit adjustment completed
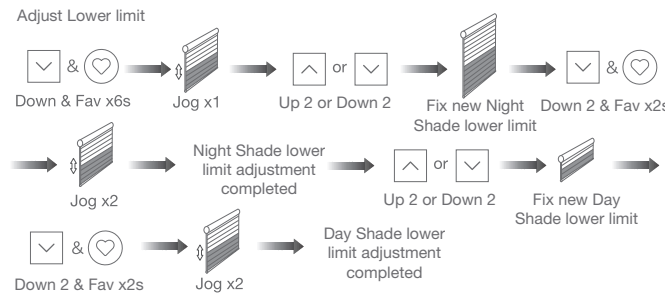
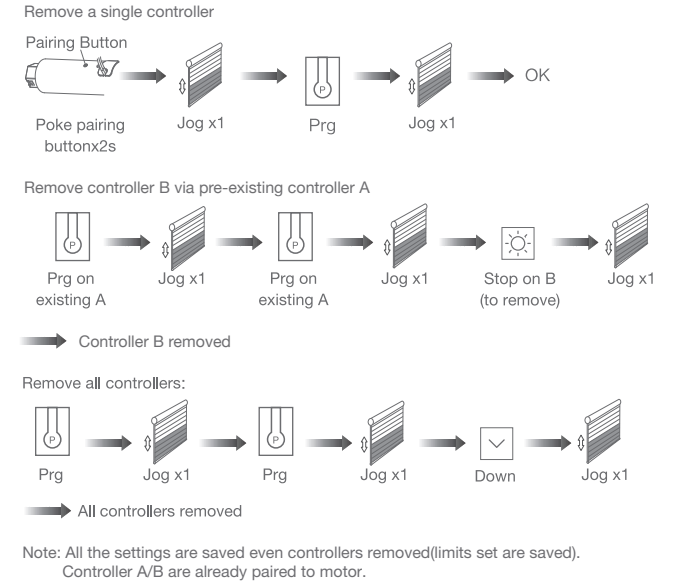Limit setting sequence: Set the Night Shade lower limit before the Day Shade lower limit.

Note: After adjusting the limits, the position of the original favorite position will remain; If
the motor is not operated when adjusting the limits, after the motor stops for more
than 4 minutes, it will jog once and automatically exit the adjusting limits mode.
If the upper and lower limits are set at the same position, they will be invalid and a
new position needs to be set.
When adjusting the limits, the reversing operation of the remote controller is invalid.
Long press the motor head button for reversing is effective, and exit the adjusting
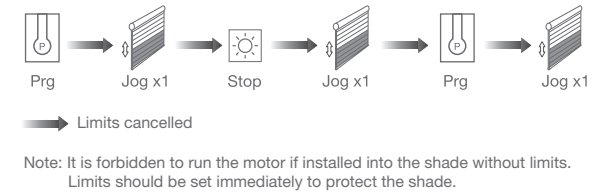limits mode.

j. Adjusting Motor Speed

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

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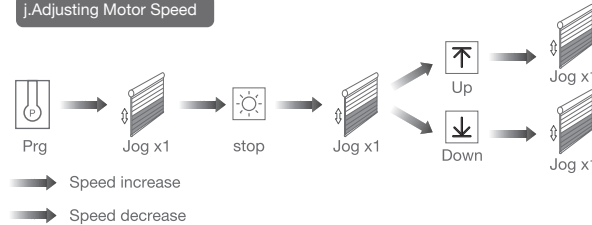
Note: If motor doesn't jog, the max/min speed has already been reached.
There are 3 speeds adjustable.

k. Removing Controllers

Remove a single controller

Pairing Button
Poke pairing buttonx2s → 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.

l. 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.

05 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