AM43 Blind Drive Motor Manual Instruction
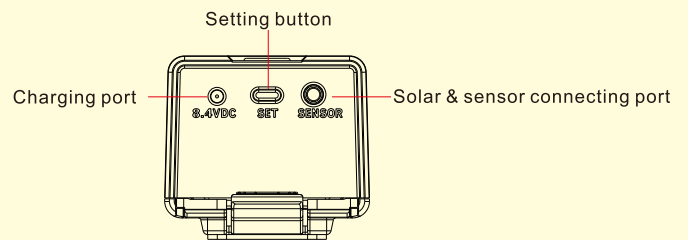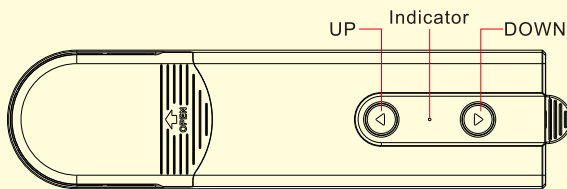
1.Features

1).Motor can set upper & bottom limit positions and limits can be saved even
   when motor power off

2). Two running modes: tilt & lift mode. Default mode is tilt

3). Smart phone APP control

4). Zigbee Bi-direction technology, instant shades status can be showed on APP

5).Motor speed is adjustable on the APP

6). Large battery capacity supports long time working

7).Powered by charger or solar panel, the solar panel with built in light sensor
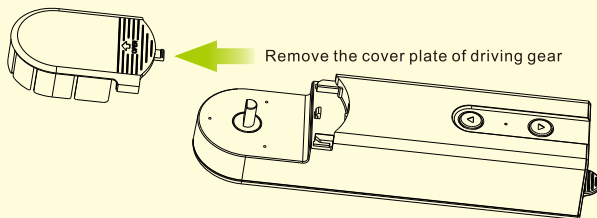   for auto-control

2.Motor specifications

Model	Input Power	Solar panel specs	Lock-rotor current	Speed Range	Torque	Rated Current	Battery Capacity
AM43-0.45/40-ES-EZ(TY)	DC charger 8.4VDC	12V/0.3W	1.8A	20-50rpm	0.45Nm	1A	7.4VDC/1000mAh

3.Motor Illustration

UP   Indicator   DOWN

Setting button

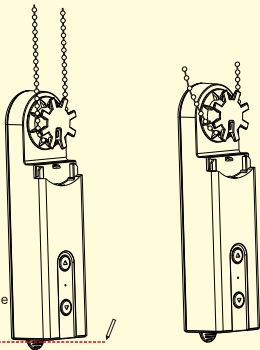Charging port   Solar & sensor connecting port

8.4VDC   SET   SENSOR

4.Installation

1.Do not exposure it under strong direct sunshine. Keep the blind engine
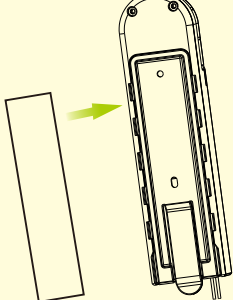far away from high temperature or wet place for using or storing.

Remove the cover plate of driving gear
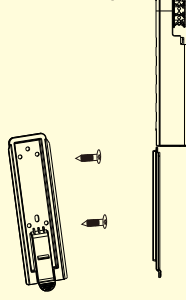
3.Tighten the cords or chains to driving gear.

Please leave 3-5mm space between the
bottom position and support bracket
during installation.
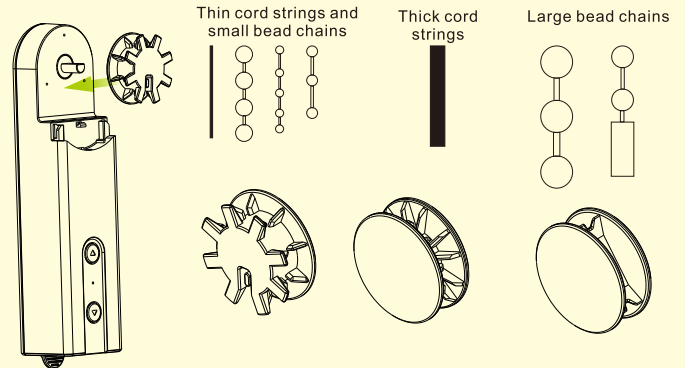
4.Blind engine fixing plate installation options

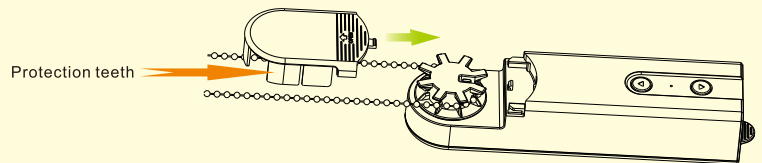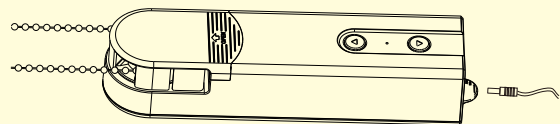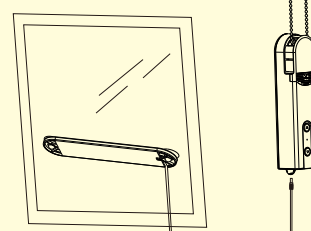1.3M adhesive   2.Screw fixing

2.Choose compatible driving gear

Thin cord strings and   Thick cord   Large bead chains
small bead chains   strings

5.Remove the teeth where from the cord or chains come out on cover plate;
   then lock the cover up

Protection teeth

6.Connect the solar panel or sensor to blind engine; Please pay attention the
   wires in case wires wrapping.

Correct installation

5.Setting instruction
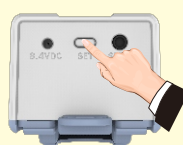
1.Power On/Off

`Power on`
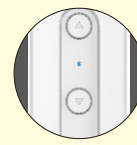
Press the setting button for 1'

Blue indicator flashes for 2'

`Power off`

Press the setting button for 7'

Blue indicator flashes slowly for 3 times (1' on, 1'off)

2. Button control

Dot move mode
(apply to venetian
blinds, dual shades,
triple shades)

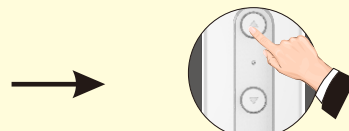Hit the button <1.5', motor stops
where you release the button; Keep
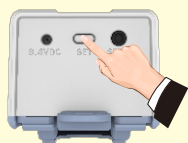hitting the button> 1.5', motor
moves continuously

Continuous
driving mode

Hit the button for 1', motor
moves continuously

Hit the button again, motor stops

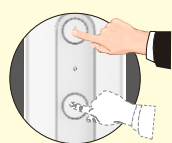## 3.Tilt/lift functions convert

*Remark: default mode is tilt mode

Hit the setting button 5 times
(each hit no more than 1')

Blue indicator flashes 3
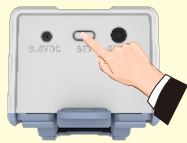times, convert is done.

4. Change direction

Hit the up and down button
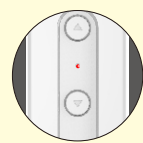at the same time for 3'

Blue indicator flashes 3 times,
direction changing is done

5. Upper limit setting (Motor will quit setting mode automatically after 30' if the motor receives any order)
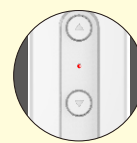
Hit the setting button
for 3'', motor enter
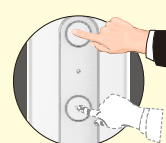into setting mode

Indicator turns red

Press UP button enters
into limit setting mode

Red indicator flashes quickly

Move the curtain to
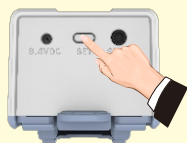desired position

Hit the setting
button for 3'

Blue indicator flashes 3 times

Now motor saves
the upper limit

6. Bottom limit setting (Motor will automatically exit setting mode after 30'' if motor without receiving any order)

Hit the setting button
for 3'', motor enter
setting mode

Indicator turns red

Press Down button gets
into limit setting mode

Indicator flashes
red quickly

Move the curtain to
desired position

Hit the setting button for 3'
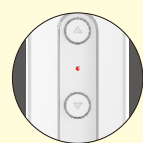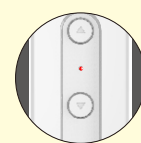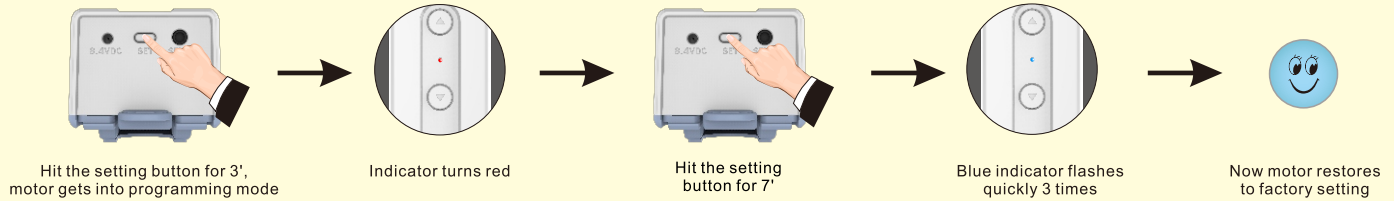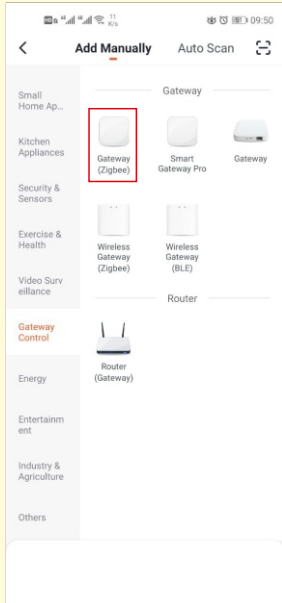
Blue indicator flashes 3 times

Now motor saves
the bottom limit

7.Restore factory setting_(Motor will automatically exit programming mode after 30'' if motor without receiving any orderMotor restore to factory setting will delete all the setting you done before)
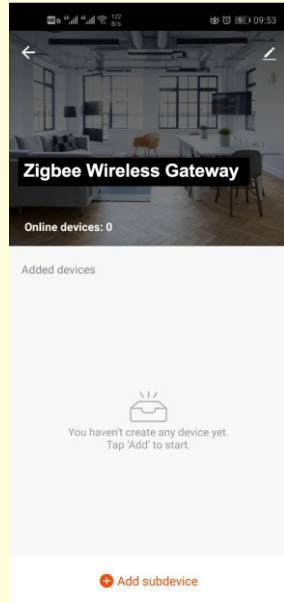
Hit the setting button for 3',
motor gets into programming mode

Indicator turns red

Hit the setting
button for 7'

Blue indicator flashes
quickly 3 times

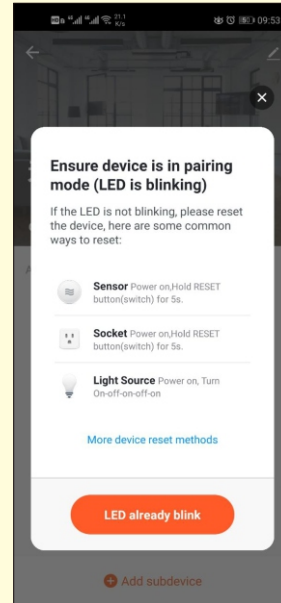Now motor restores
to factory setting

6.APP control

1.Download APP (search TUYA in APP store/ Google play, register an account with mobile phone number or email address and then log in to APP)
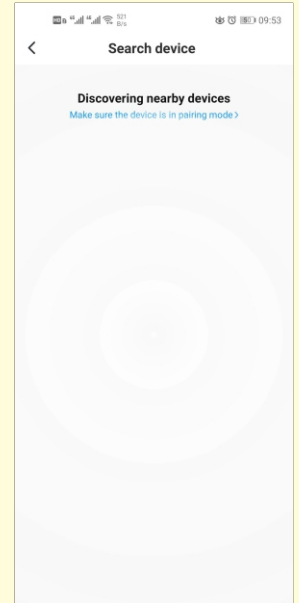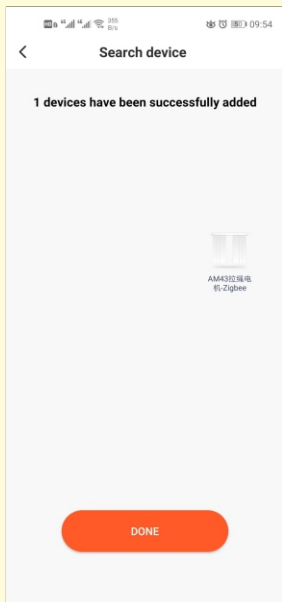
1.Click"+" to add gateway
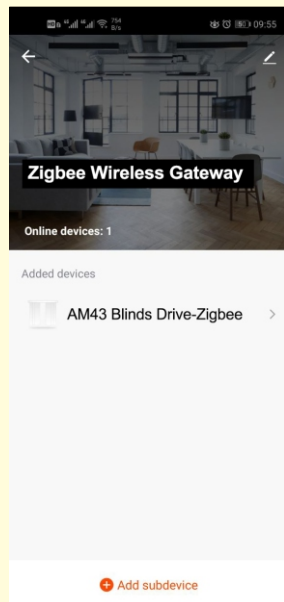
2.After adding gateway , click"add sub devices"

3.devices get into pairing mode, then click 'LED already blink'
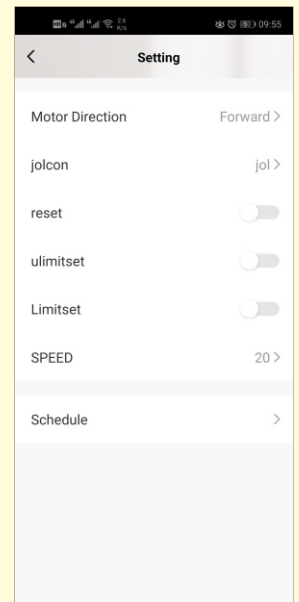
4.Search nearby devices

5.After searched devices, click "DONE"

6.Choose the device just added

7.this page can operate the motor going UP, STOP, DOWN; click 'More' to get into multiple functions setting page

8.Multiple functions setting

7.Troubles shooting

No.	Troubles	Troubles Reason	Elimination Method
1	Motor doesn't work or run slowly	A.overloaded B.improperly installation make motor stuck	A.choose proper motor B.check motor installation
2	Motor suddenly stop working	A.power off B.motor enter overloaded protection	A. charge the motor B. check whether motor is overloaded or stuck
3	Motor doesn't work when you charge motor	Put the charger on sensor connection port	Connect to charger port

Tips: please check carefully and don't make mistake on the 8.4VDC charger port and sensor connection port