AM43 Blind Drive Motor Manual Instruction
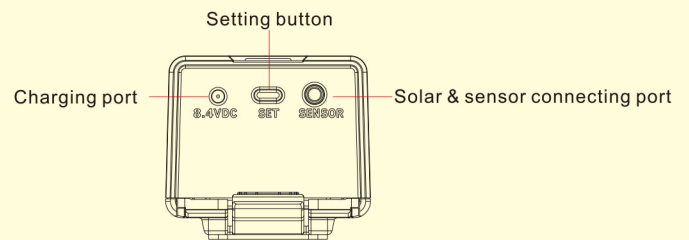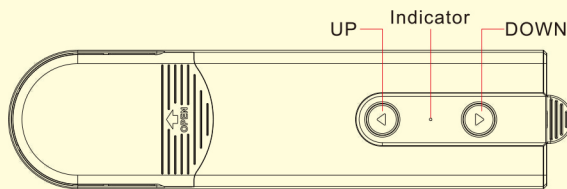
1.Features

1).Motor can set upper & bottom limit positions and limits can be saved even when motor power off
2).Two running modes: tilting & continuous moving. Motor default mode is tilting
3).Motor can be control by APP on your smart phone
4).Bluetooth bi-direction technology, you can see the status of your shades in anytime
5).Motor speed is adjustable on the APP
6).Large battery capacity support long time working
7).Powered by charger or solar panel, the solar panel with built in light sensor for auto-control
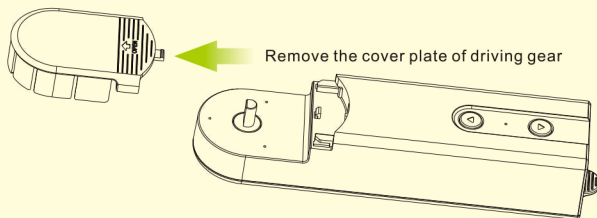
2.Motor specifications

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

3.Motor Illustration

UP   Indicator   DOWN

Setting button
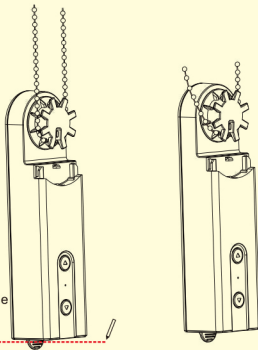Charging port   Solar & sensor connecting port
8.4VDC   SET   SENSOR

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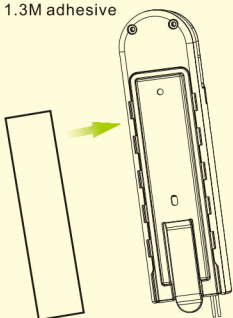
Remove the cover plate of driving gear
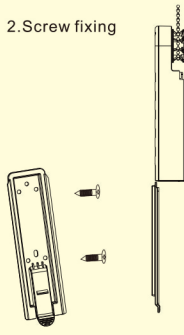
3.Tighten the cords or chains to driving gear.

Please leave 3-5mm space between the bottom position and support bracket during installation.
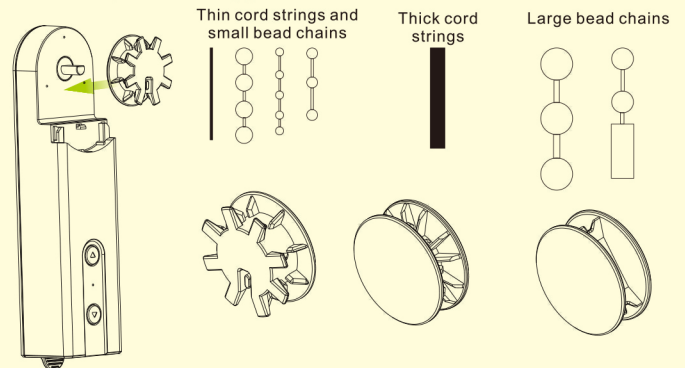
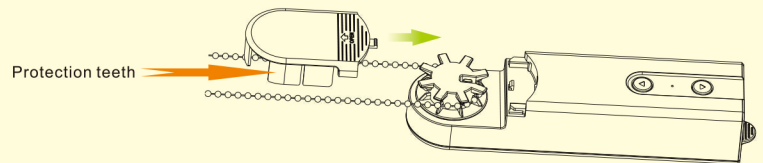4.Blind engine fixing plate installation options
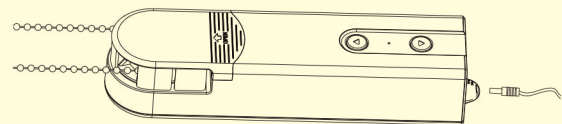
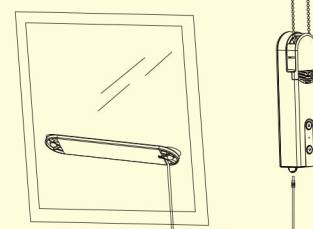1.3M adhesive   2.Screw fixing

2.Choose compatible driving gear

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

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

Protection teeth

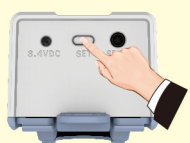6.Connect the solar panel or sensor to blind engine; Please pay attention the wires in case wires wrapping.

Correct installation
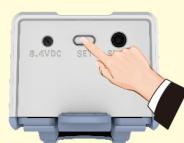
5.Setting instruction

1.Power On/Off

Power on

Press the setting button for 1'

Blue indicator flash for 2'

Power off

Press the setting button for 7'

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

2.Motor working modes

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

Hit the button <1.5'', motor stop whenever you release your hand keep hitting the button >1.5'', motor move straightly
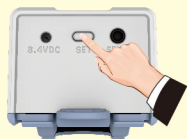
Continuous driving mode
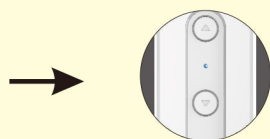
Hit the button for 1'', motor move directly

Hit the button again, motor stop (when you switch the direction, motor response will delay 0.5'')

3. Dot mode/continuous mode switch
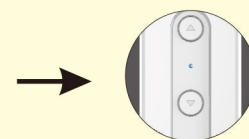
*Remark: motor default mode is dot mode.

Hit the setting button 5 times (each hit less then 1s, and every hit not more than 1s)

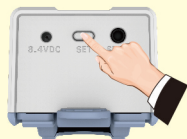Indicator flash blue 3 times. Now motor working mode switch

4. Change direction

Hit the up and down button at the same time for 3'
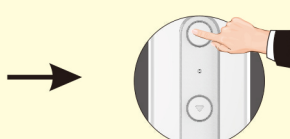
Indicator flash blue 3 times. Now motor direction change

5. Upper limit setting (Motor will automatically exit setting mode after 30'' if motor without receiving any order)
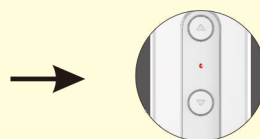
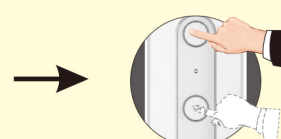Hit the setting button for 3'', motor enter into setting mode

Indicator turn red

Press UP button enter into limit setting mode

Indicator flash red quickly

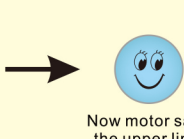Move the motor to pleased position
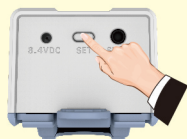
Hit the setting button for 3'
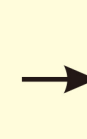
Indicator flash blue 3 times

Now motor save the upper limit

6. Bottom limit setting (Motor will automatically exit setting mode after 30'' if motor without receiving any order)
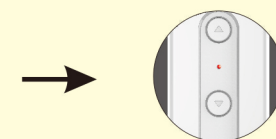
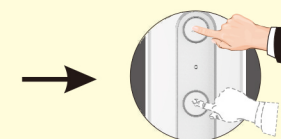Hit the setting button for 3'', motor enter setting mode

Indicator turn red

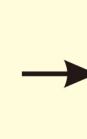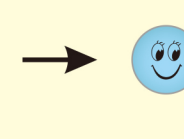Press Down button enter into limit setting mode

Indicator flash red quickly

Move the motor to pleased position
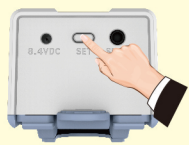
Hit the setting button for 3'

Indicator flash blue 3 times
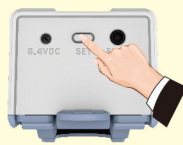
Now motor save the bottom limit

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 enter programming mode

Indicator turn red

Hit the setting button for 7'

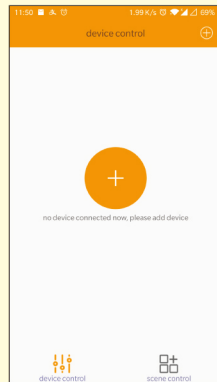Indicator quickly flash red 3 times

Now motor restore to factory setting

6.APP Setting Instruction

1.Download APP

Scan QR code
For Android phone

Scan QR code
For iOS phone
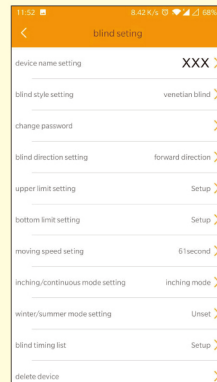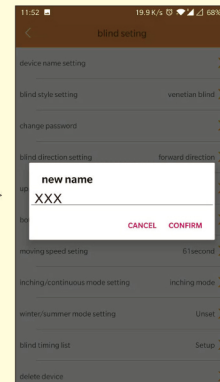
Scan the QR code to download the APP

Tap "+", the APP start to search devices Tips: the APP can add maximum 7 devices

2.Shades setting

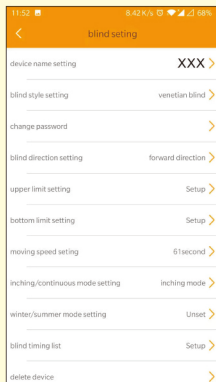You can do various settings after device connection

Fill a new name on your device and confirm
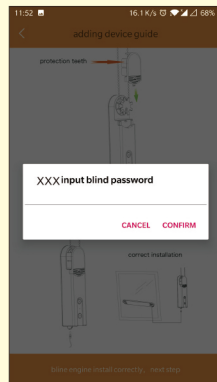(tips: Max 18 letter space limited filling new name)

Choose the type of your shade and finish the shades setting
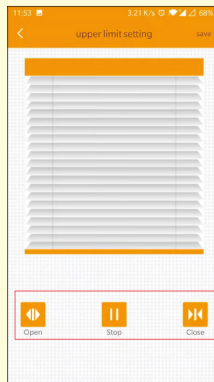
3. Change password on APP

Enter shades setting interface and choose "change password" item
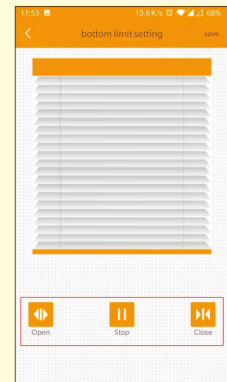
Input the new password, factory default password is "8888"

4.limits setting (Tips: Motor run in dot move before and after limit set, please go to dot and continuous setting interface to switch to continuous run.)
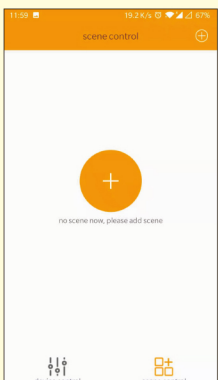

Enter shades setting interface, choose "upper limit setting". Make the shade go to upper limit position then save the limit Tips: when you do the limit setting, motor run in dot move mode.
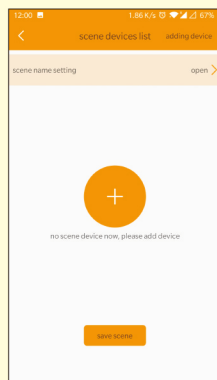
Enter shades setting interface, choose "bottom limit setting". Make the shade go to bottom limit position then save the limit. Tips: when you do the limit setting, motor run in dot move mode
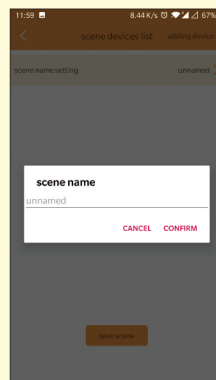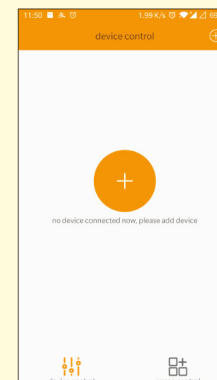
5. scenes setting

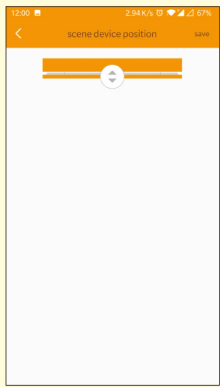1) choose "scenes setting" menu (Tips: Max 6 scenes can be added)
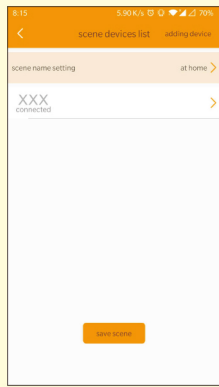
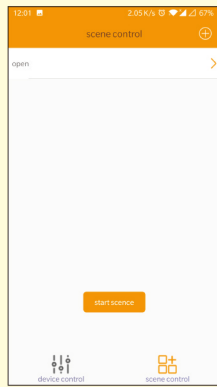2) Tap " scene name setting"

3) name the scene and save it

4) Tap "+" on top right corner to add device
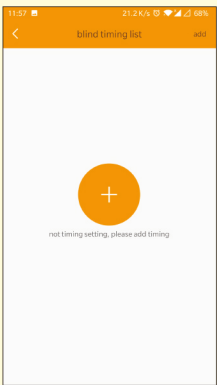
3

5) Set the favorable positions and save

6) when you finish adding devices, tap " save scene" finish the scene setting (Tips: Keep holding the "device" menu can do other setting operation)
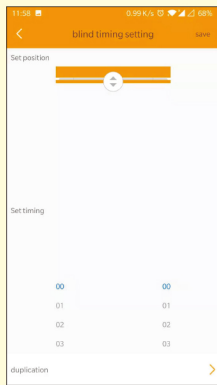
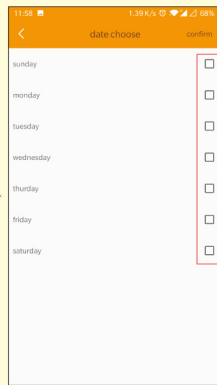7) choose the scene and tap " start scene". Devices added to scene will start to run

6. timing setting

Before you do the timing setting
1.timing mode is only available after the shades finish limit setting
2.Max 4 timing setting can be added
3.Each time turn off the device or the device power off, the device need to connect to APP proofread your system Time
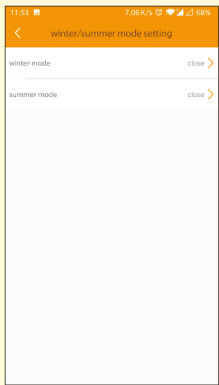
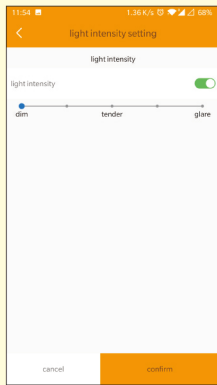First, move the shade to favorable position, then choose the time you want.

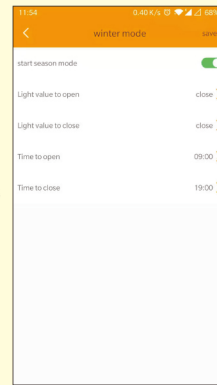Choose the date and save the setting

7.winter & summer mode setting

Before you choose a season mode
1.shades are already set the limits and installed the light sensor
2.you could only open either winter or summer mode

First, open the light sensor detection function, choose the light intensity by sliding the bar and save it.

Then choose "start time" or "close time". Set the light detection time and save, for example 9:00-19:00

After you finish the setting, save the season mode 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