# WSER50 OD MOTOR GUIDE p1

ALPHA SUPPORT PHONE (909) 307-2320

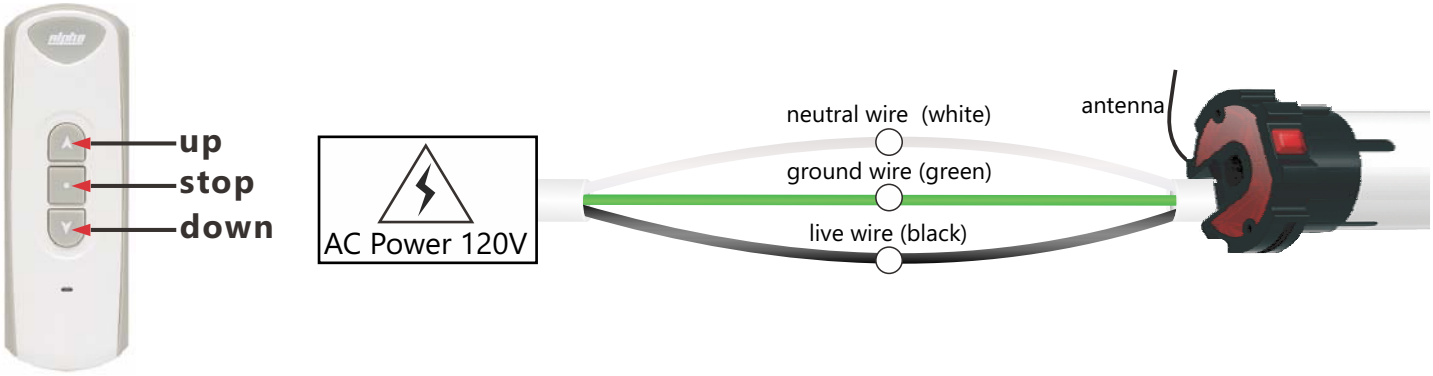
This motor is for Zip Screen application and similar.

## 1. TECHNICAL SPECIFICATIONS

Power AC 120V/60Hz
Protection Index: IP 44

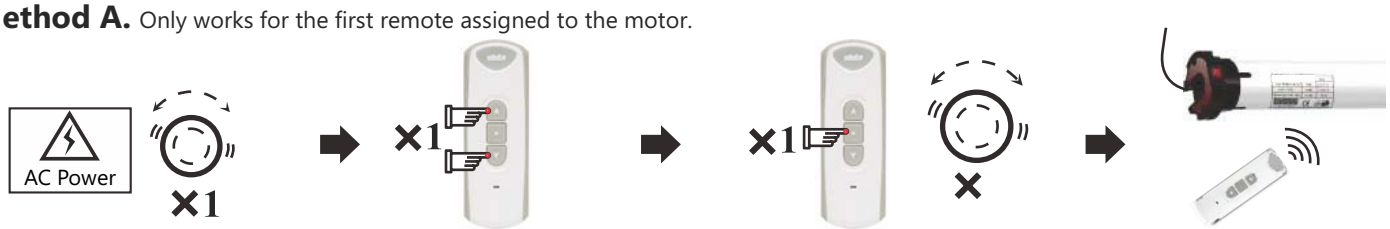
Up to 15 remotes (or channels) may be assigned to each motor.
Thermal protection will engage after 4 minutes of continuous running.

## 2. WIRE CONNECTIONS




## 3. ASSIGNING A REMOTE TO A MOTOR (you have 10 seconds to complete the task)

**Method A.** Only works for the first remote assigned to the motor.



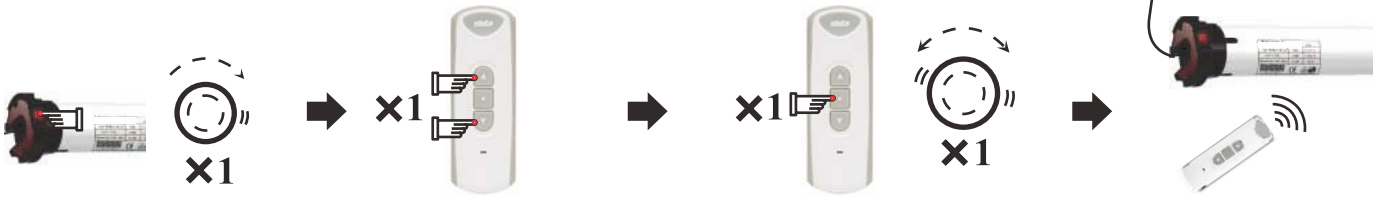

Turn power on, the motor will vibrate.

Press the UP and DOWN buttons simultaneously, then release.

Press the STOP button once, the motor will vibrate.

You can now use the remote to control the motor.

**Method B.** Can be used at any time.




Press the red button on the motor for 1 second.

Press the UP and DOWN buttons simultaneously, then release.

Press the STOP button once, the motor will vibrate.

You can now use the remote to control the motor.

**Method A.** Can only be used again if you cut and restore power to the motor 3 times. You must allow 5 seconds before restoring power each time and you must allow the motor to vibrate properly each time. After the third cycle, you may assign the remote.

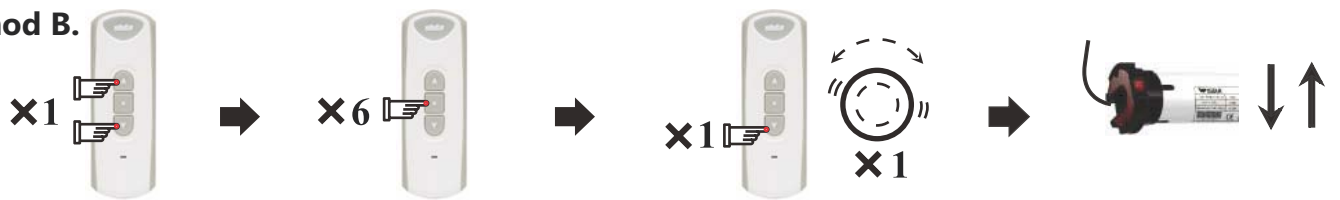
## 4. CHANGING A MOTOR'S DIRECTION

**Method A.**


Hold the red button on the motor down for 3 seconds, the motor will vibrate.

The UP and DOWN directions of the motor have been reversed.

**Method B.**




Press UP and DOWN buttons simultaneously, then release.

Press the STOP button 6 times.

Press the DOWN button once, the motor will vibrate.

The UP and DOWN directions of the motor have been reversed.

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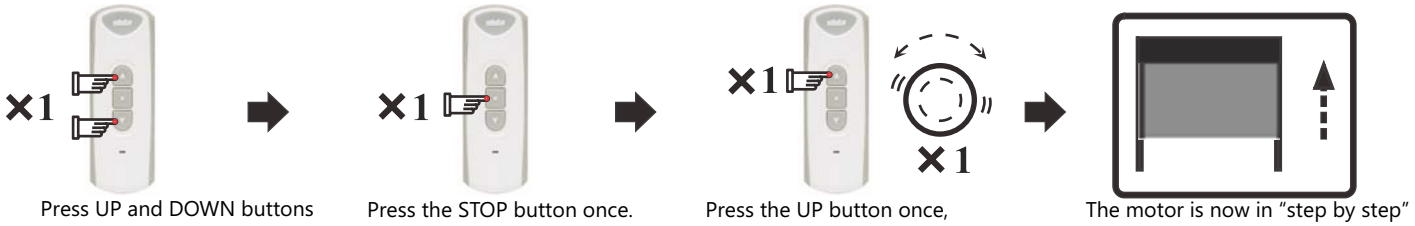
## 5. TURN ON "STEP BY STEP" MODE (motor moves a few millimeters at a time unless button held down for 3 secs)




Press UP and DOWN buttons simultaneously, then release.

Press the STOP button once.

Press the UP button once, the motor will vibrate.

The motor is now in "step by step" mode.

## 6. TURN OFF "STEP BY STEP" MODE (motor will run up and down as normal)


Press UP and DOWN buttons simultaneously, then release.

Press the STOP button once.

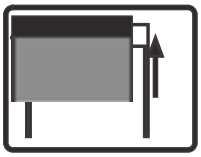
Press the DOWN button once, the motor will vibrate.

The motor will now run normally.

## 7. LIMIT SETTING

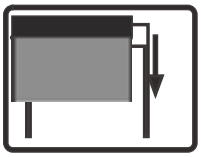
### Setting the TOP limit

Move the screen to the desired top limit position.
Proceed to instructions below.

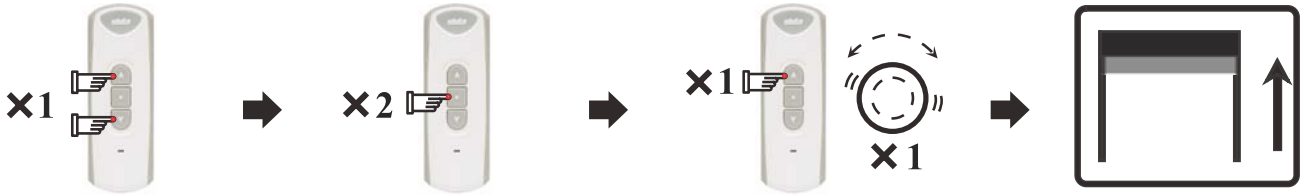


### Setting the BOTTOM limit

Move the screen to the desired bottom limit position.
Proceed to instructions below.



### Setting the TOP limit (you have 10 seconds to complete the task)




Press UP and DOWN buttons simultaneously, then release.

Press the STOP button twice.

Press the UP button once, the motor will vibrate.

Top limit is now set.

### Setting the BOTTOM limit (you have 10 seconds to complete the task)

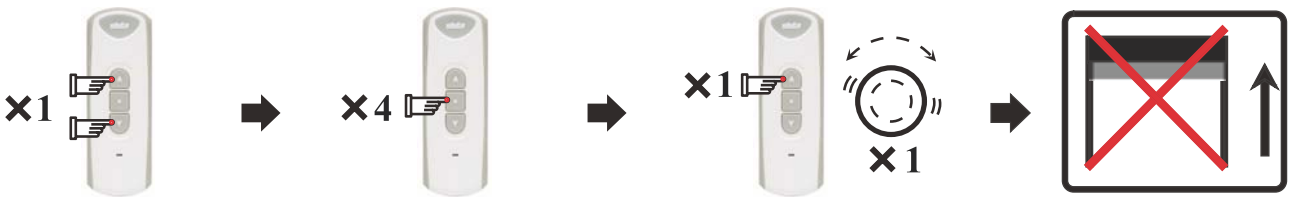

Press UP and DOWN buttons simultaneously, then release.

Press the STOP button twice.

Press the DOWN button once, the motor will vibrate.

Bottom limit is now set.

## 8. DELETING THE TOP LIMIT (you have 10 seconds to complete the task)




Press UP and DOWN buttons simultaneously, then release.

Press the STOP button 4 times.

Press the UP button once, the motor will vibrate.

Top limit is deleted.

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## 9. DELETING THE BOTTOM LIMIT (you have 10 seconds to complete the task)


Press UP and DOWN buttons simultaneously, then release.

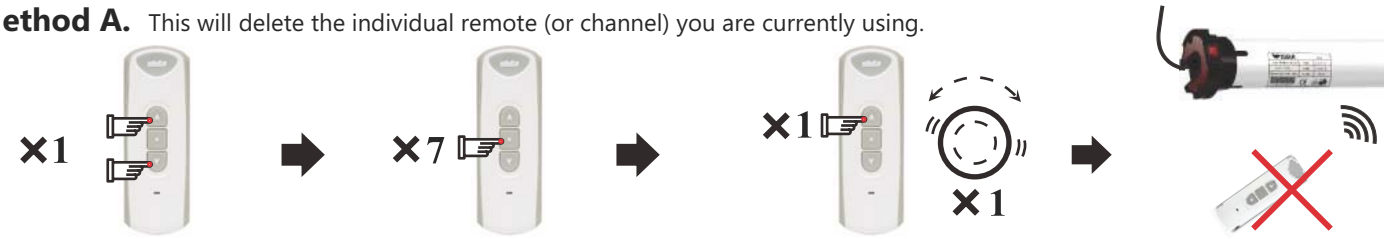
Press the STOP button 4 times.

Press the DOWN button once, the motor will vibrate.

Bottom limit is deleted.

## 10. DELETING A REMOTE (OR CHANNEL) FROM A MOTOR

**Method A.** This will delete the individual remote (or channel) you are currently using.




Press UP and DOWN buttons simultaneously, then release.

Press the STOP button 7 times.

Press the UP button once, the motor will vibrate.

This remote (or channel) has been deleted from the motor.

**Method B.** This will delete ALL remotes assigned to the motor (including wind & motion sensors).

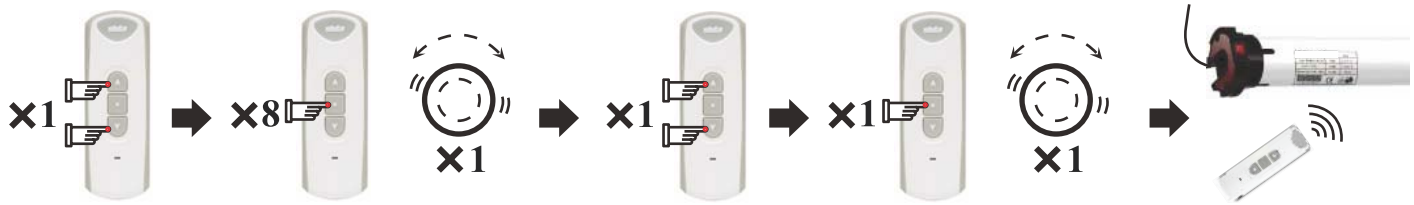

Press UP and DOWN buttons simultaneously, then release.

Press the STOP button 6 times.

Press the UP button once, the motor will vibrate.

All the remotes have been deleted from the motor.

## 11. ASSIGNING AN EXTRA REMOTE (OR CHANNEL) TO A MOTOR VIA THE ORIGINAL REMOTE




**ORIGINAL REMOTE**
Press the UP and DOWN buttons simultaneously, then release.

**ORIGINAL REMOTE**
Press the STOP button 8 times, the motor will vibrate.

**NEW REMOTE**
Press the UP and DOWN buttons simultaneously, then release.

**NEW REMOTE**
Press the STOP button once, the motor will vibrate.

You can now use the remote to control the motor.

## 12. SETTING THE THIRD LIMIT (midway position, somewhere between top and bottom limits)


Press the STOP button 4 times.

The motor will vibrate.

Hold down for 2 seconds

Holding down the STOP button for 2 seconds will send the motor to the third limit position.

**Changing the third limit - Move the blind to the desired third limit position and use procedure above.**


Press the STOP button 4 times.

The motor will vibrate.

Hold down for 2 seconds

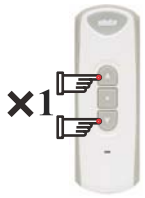
Holding down the STOP button for 2 seconds will send the motor to the third limit position.

**NOTE: The third limit will be deleted automatically if either the top or bottom limits are deleted.**

## 13. OBSTACLE DETECTION FUNCTION (SHORTENED AS OD FUNCTION)

The motor's obstacle detection function is only available after the motor's TOP and BOTTOM limits are set, but this function is not available 8 inches above the BOTTOM limit. This is to make sure the screen can be fully closed. It is not workable if the motor is set at "step by step" mode. The OD function is turned off by default. You can use assigned remote to switch OD function between off and on.

### Turn on OD function

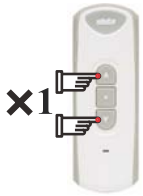



Press UP and DOWN buttons simultaneously, then release.


Press the STOP button 3 times, then release.


Press the UP button once and release, the motor will vibrate to confirm OD function is turned on.

### Turn off OD function



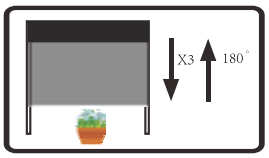

Press UP and DOWN buttons simultaneously, then release.


Press the STOP button 3 times, then release.

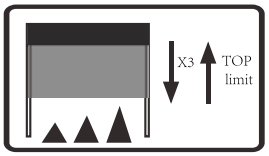

Press the DOWN button once and release, the motor will vibrate to confirm OD function is turned off.

OD function application (Make sure TOP and BOTTOM limits are set. Remote's DOWN button moves screen downward).

**A.** During motor running downward, every time it detects obstacle, the motor will stop running down but run upward for 180 degrees, then run downward again. If it detects obstacles three times at the same position (position difference less than 6cm), the motor will run upward for 180 degrees and stop running.




**B.** During motor running downward, every time it detects obstacle, the motor will stop running down but run upward for 180 degrees, then run downward again. If it detects obstacles three times at different positions (position difference bigger than 6cm), the motor will run upward to TOP limit.




## Handy Tips

1. The RE101 remote has been used as an example here in diagrams. All remotes are compatible with these motors. If you are using a multi-channel remote, make certain that it is on the correct channel before you assign it to a motor. This is a common mistake.
2. Strong local RF levels from other equipment may affect some setup functions. If a step fails, simply repeat the process.