SMARTWINGS MOTORIZATION

WR01-15CH Remote Programming Guide

BY: SMARTWINGS

SMARTWINGS

Important Safety instructions

WARNING: To reduce the risk of severe injury or death, it is important to follow these instructions for personal safety. Save these instructions.

- Read and follow all installation instructions.
- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children should not play with the appliance. Cleaning and user maintenance should not be performed by children without supervision.
- Do not allow children to play with fixed controls. Keep remote controls away from children.
- Frequently examine the installation for imbalance and signs of wear or damage to cables and springs. Do not use if repair or adjustment is necessary.
- The drive must be disconnected from its power source during cleaning, maintenance and when replacing parts.
- The A-weighted emission sound pressure level of the drive is equal to or less than 70dB(A).
- Indoor and household use only.
- Disconnect the drive from the power supply or switch off the automatic controls when
- maintenance, such as window cleaning, is being carried out in the vicinity.
- When operating a biased switch, make sure that other persons are kept away.
- Do not operate when maintenance, such as window cleaning, is being carried out in the vicinity.
- The tube motor must only be supplied with safety extra low voltage corresponding to the marking on the appliance.
- This appliance contains batteries that are non-replaceable.

Cleaning

Follow these general rules when cleaning the outside of the device and its components:
Use a damp, soft, lint-free cloth. Avoid getting moisture in openings.
Do not use aerosol sprays, solvents, alcohol, or abrasives.

Service & Support

Do not perform repairs yourself. Do not attempt to open the device or disassemble it. You run the risk of electric shock and voiding the limited warranty. No user-serviceable parts are inside.

Table of Contents

Each battery motor from Smartwings will come preprogramed from the factory. The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked

Remote Overview

FRONT

15 ⌃⌄

UP

STOP

DOWN

CHANNEL DOWN

CHANNEL UP

SMARTWINGS

BACK
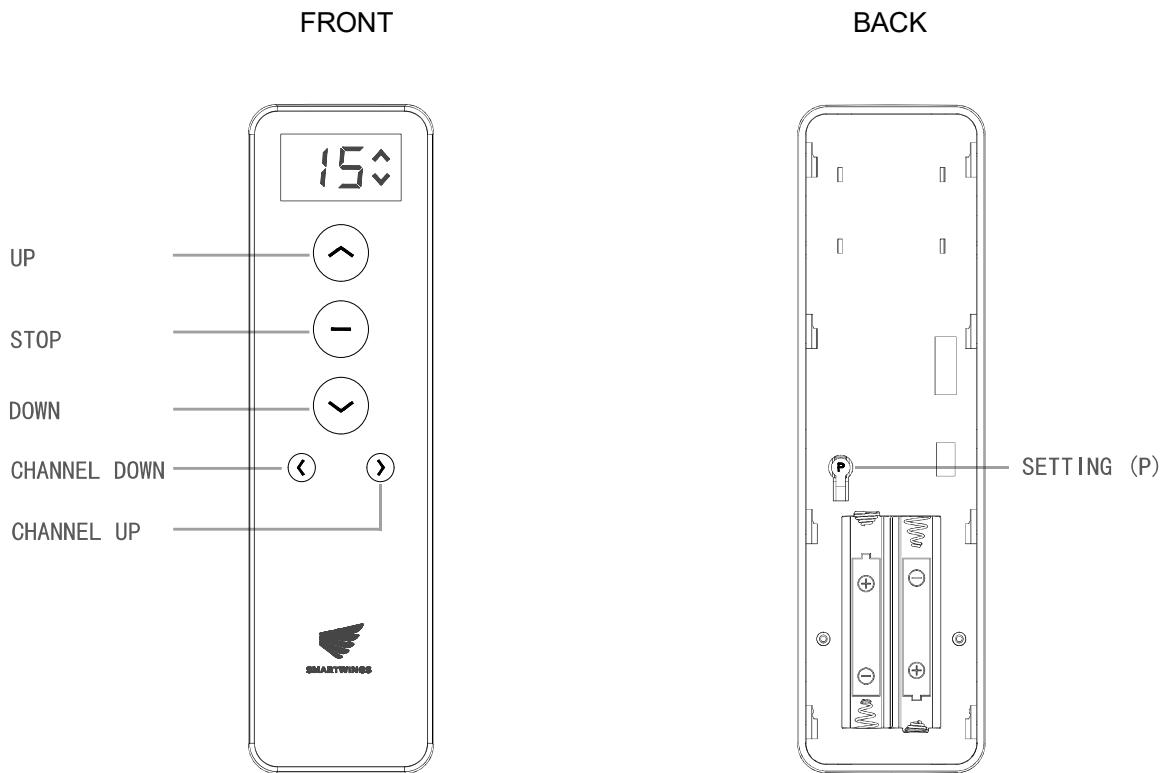
SETTING (P)

TECHNICAL SPECIFICATIONS	
Voltage:	3V
Frequency:	433.92 MHz
Transmitting Power:	30 milliwatt
Ambient Operating Temperature:	-10˚C - 50˚C
Transmission Distance:	Approx. 65 feet in open space
Battery:	AAA

FEATURES

- Push Button controls
- LED Display
- Hide unused channels function
- wall mount holder
-

PACKAGE CONTENTS

- Remote
- wall mount holder & fixing screws
- 1.5V - AAA Battery 2 cells

Sleep Mode

Each battery motor will come preprogramed from Smartwings Upon leaving the factory the motor is placed into "Sleep Mode" to avoid accidental operation during shipping. It is necessary to "Wake" the motor before operation and setup.

Exit Sleep Mode

To "Wake" the motor and exit Sleep Mode, assure the motor is installed and secured in the mounting hardware.

Once installed safely and securely, press and hold the programming button on the motor head until the motor jogs **once**. It is now no longer in "Sleep Mode" and ready for further setup.
*Warning:*

- *Shade - if you press and release the programming button quickly, the motor will operate to its limit.*
-

Activate Pairing Mode

Approx. **2 SECS**

Motor Response

JOG **X1**
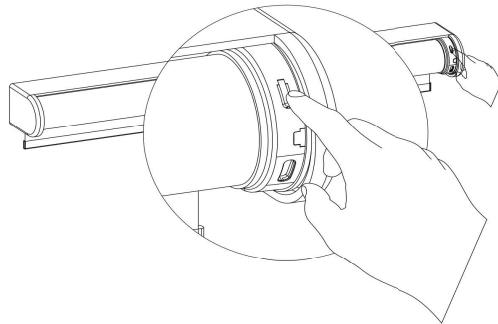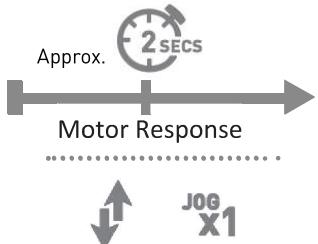
Enter Sleep Mode

If required, to place the motor back into "Sleep Mode" press and hold the programming button for a period of 10 seconds.   Release the button when the motor has jogged **three times**. The " Sleep Mode" has been activated.

Approx. **10 SECS**

Motor Response

JOG **X1**   JOG **X1**   JOG **X1**
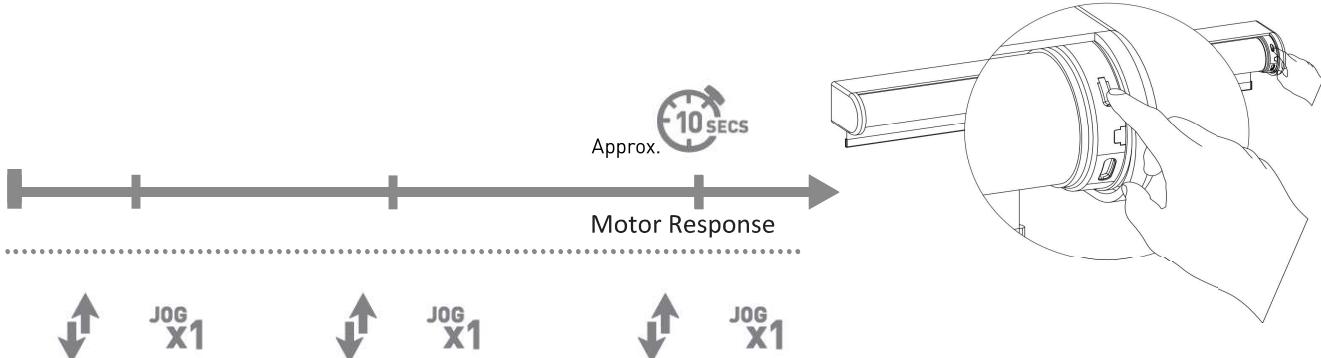
Adjusting Limits

Each battery motor will come preprogramed from Smartwings .
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked .

Follow the below steps to adjust the upper and lower limits if required.

If limits need adjusting, follow the instructions below to unlock the remote for limit setting:

ADJUSTING UPPER LIMIT
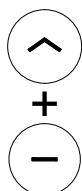
Move the shade to the new desired position to be set as limit.
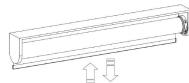
(SET Top Limit)

Press **UP** & **STOP (5sec)**
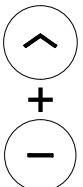
Press **UP** + **STOP** (2**sec**)

Note: the motor jogs once

Important!! Stop the shade prior to traveling past the desired upper limit

Note: the motor jogs twice

ADJUSTING LOWER LIMIT
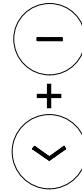
Move the shade to the new desired position to be set as limit.

(SET Lower Limit)

Press **DOWN** & **STOP (5sec)**
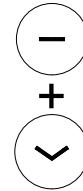
Press **DOWN** + **STOP** (2**sec**)

Note: the motor jogs once

Important!! Stop the shade prior to traveling past the desired lower limit

Note: the motor jogs twice

!!WARNING!! - Move shade in short increments by pressing the UP/DOWN button in 1 second intervals (pressing the UP/DOWN button for more than 3 seconds may send the shade past desired upper/lower limit and may result in damage to the product). Once you have reached the desired upper/lower limit, you can adjust the limit with either the UP and DOWN buttons. (remember to adjust in short increments!)

Favorite Positions

Each battery motor will come preprogramed from Smartwings .
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked.

Follow the below steps to set a favorite position. The favorite position is used to set a custom stopping point between the upper and lower limits. (1 favorite position per shade motor)

> To set a favorite position for a shade motor, drive to the desired position and press the STOP button to pause the drive operation.

SETTING FAVORITE POSITION

1 (To Save Position)

Press **UP** or **DOWN** to move shade to desired favorite position

position

2 Press **P (1sec)**
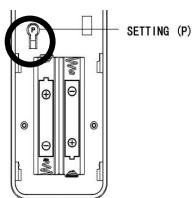
SETTING (P)

Note: the motor jogs once
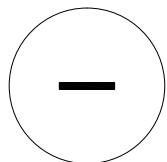
3 Press **STOP (1sec)**

Note: the motor jogs once
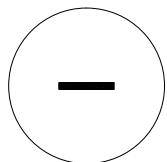
4 Press **STOP (1sec)**

Note: the motor jogs twice

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- *Press STOP (2sec) to move shade to the Favorite Position from any location*
- *Repeat Steps 1-4 for all additional motors*


DELETING FAVORITE POSITION

1 (To Delete Position)

the shade is **STOP**

2 Press **P (1sec)**
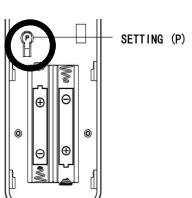
SETTING (P)

Note: the motor jogs once
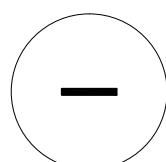
3 Press **STOP (1sec)**

Note: the motor jogs once

4 Press **STOP (1sec)**
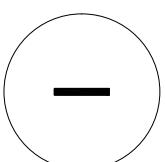
Note: the motor jogs once

Remote + Motor Pairing

Each battery motor will come preprogramed from Smartwings .
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked.

Follow the below steps to select the remote channel you want to pair with the motor(s) if required at a later date.

1. SELECT CHANNEL

### 1a
Press any button to wake remote

1b
Within **10sec** Press "‹" **or** "›" to select desired channel.

〈   〉

2. PAIRING REMOTE TO MOTOR

2a ACTIVATE PAIRING MODE ON MOTOR

Press & HOLD Programming Button on motor head **(2sec)**

Note: the motor jogs once

Activate Pairing Mode

Approx. **2 SECS**

Motor Response

JOG X1
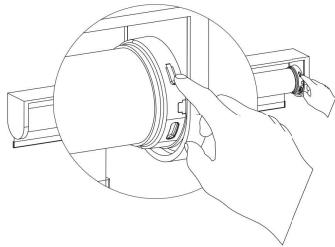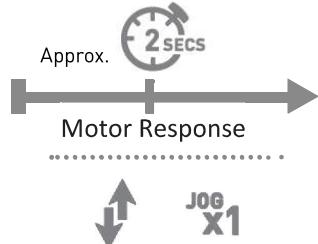
2b ADDING OR REMOVING THE REMOTE

Within 10 **sec** of activating pairing mode, Press & Hold **STOP**

Note: the motor jogs twice.

Press **STOP** (2**sec**)

If you do not pair the remote in time the motor pairing sequence will time out, repeat the above steps assuring to press and hold the STOP button within 10 seconds of the motor jog

Mirroring Remotes

Each battery motor will come preprogramed from Smartwings .
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked.

Follow the below steps to copy settings from an existing remote to a new remote.

1. SELECT CHANNEL

1a
Press any button to wake remote

1b
Within **10sec** Press "**‹**" **or** "**›**" to select desired channel.

⟨   ⟩

Note: Select channel on existing remote to be copied
Select channel on new remote where existing channel will be copied

## 2. ADD OR REMOVE REMOTE USING AN EXISTING REMOTE

1   Press **P** (**1sec**)
SETTING (P)
EXISTING
Note: the motor jogs once

2   Press **P** (**1sec**)
SETTING (P)
EXISTING
Note: the motor jogs once
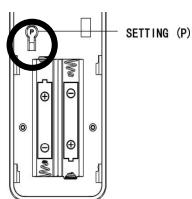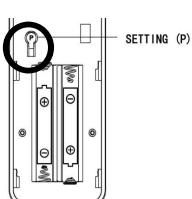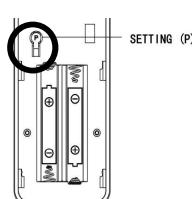
3   Press **P** (**1sec**)
SETTING (P)
NEW
(To be Added or Removed)
Note: the motor jogs twice

Group Control

Each battery motor will come preprogramed from Smartwings . If multiple motors are paired to the same 15 channel remote, the 0 channel is the default channel to control all motors at once.

Follow the steps below to group motors on a specific channel for simultaneous control.

To custom define a channel to control multiple motors, pairing in groups can be executed. This will allow you to operate a series of motors in unison without needing to change channels. Each motor to be grouped must be paired with the remote on its own channel prior to grouping.

1. SELECT CHANNEL TO BE PAIRED AS A GROUP

1a
Press any button to wake remote

1b
Within **10sec** Press "❮" **or** "❯" to select desired channel.

2. PAIRING OR REMOVING MOTOR FROM A SPECIFIC CHANNEL

2a ACTIVATE PAIRING MODE ON MOTOR
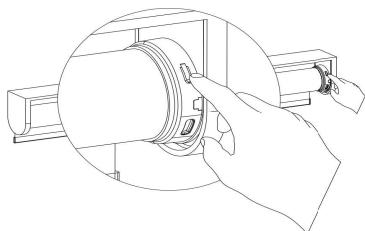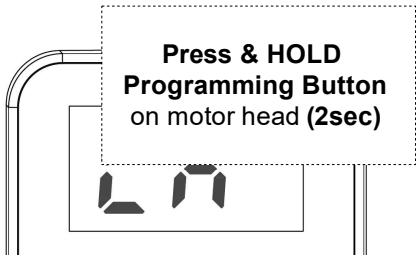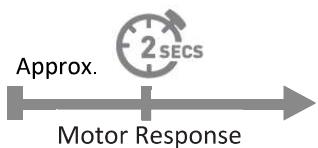
Press & HOLD Programming Button on motor head **(2sec)**

Note: the motor jogs once

Activate Pairing Mode

Approx. **2 SECS**

Motor Response

JOG X1

2b PAIRING REMOTE

Within 10 **sec** of activating pairing mode, Press & Hold **STOP**
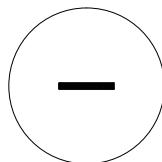
Press **STOP (2sec)**

Note: the motor jogs twice.

If you do not pair the remote in time the motor pairing sequence will time out, repeat the above steps assuring to press and   the STOP button within 10 seconds of the motor jog

Group Control

3. Adjusting limits of an individual shade paired on a group channel

To adjust the limits of a shade that is currently grouped on a channel with other shades, it is necessary to place all shades with the exception of the shade to be adjusted, to sleep.

Press & HOLD Programming Button on motor head **(10sec)**
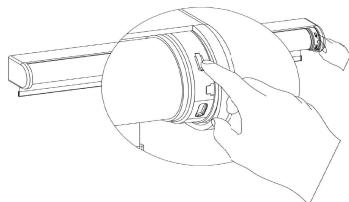
Note: the motor jogs three times

Once all other shades have been put to sleep.

Adjust the shade limits as outlined below:

Approx.

10 SECS

Motor Response

JOG x1   JOG x1   JOG x1

ADJUSTING UPPER LIMIT

Move the shade to the new desired position to be set as limit.

Press **UP** & **STOP (5sec)**

(SET Top Limit)

Press **UP** + **STOP** (2**sec**)

Note: the motor jogs once

Important!! Stop the shade prior to traveling past the desired upper limit

Note: the motor jogs twice

ADJUSTING LOWER LIMIT

Move the shade to the new desired position to be set as limit.

Press **DOWN** & **STOP (5sec)**

(SET Lower Limit)

Press **DOWN** + **STOP** (2**sec**)

Note: the motor jogs once

Important!! Stop the shade prior to traveling past the desired lower limit

Note: the motor jogs twice

!!WARNING!! - Move shade in short increments by pressing the UP/DOWN button in 1 second intervals (pressing the UP/DOWN button for more than 3 seconds may send the shade past desired upper/lower limit and may result in damage to the product). Once you have reached the desired upper/lower limit, you can adjust the limit with either the UP and DOWN buttons. (remember to adjust in short increments!)

Hide/Unhide Remote Channels

Each battery motor will come preprogramed from Smartwings .
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked .

Follow the below steps to hide and unhide channels on the remote.

| 1 | Hold the"‹"and "›" 2 seconds | 2 | Press "‹"or "›" to select number of channel | 3 | Press **STOP** for 1 seconds |

Display Response   Display Response   Display Response

**CH**   **15**   **00**
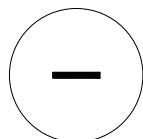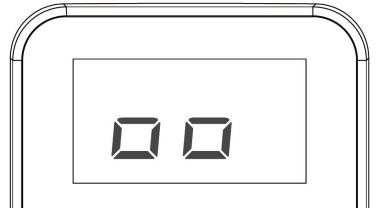
Adjusting Motor Speed

Each battery motor will come preprogramed from Smartwings .
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked

Follow the below steps to adjust the motor speed. To adjust the motor speed a remote must be paired.

To enter speed adjustment mode remove the rear battery cover of the remote. Press the left **P** button.

SETTING (P)
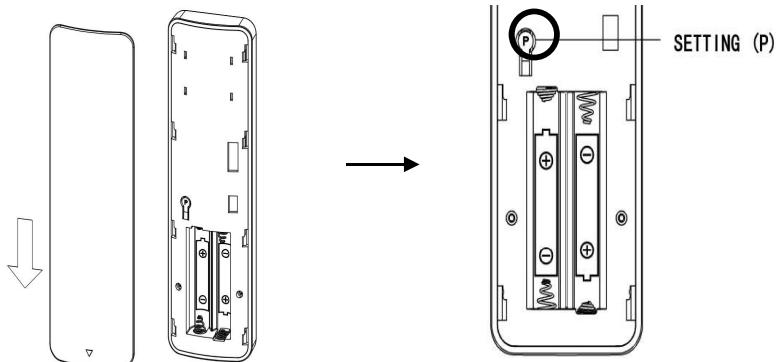
Note: the motor jogs once

To Increase speed:

IMPORTANT

If motor does not react to speed adjustment, the maximum or minimum speed has already been reached.

Press **UP**:

Note: the motor jogs once

Repeat

Press **UP**:

Note: the motor jogs twice indicate middle speed
the motor jogs three times indicate fast speed

To Decrease speed:

IMPORTANT

If motor does not react to speed adjustment, the maximum or minimum speed has already been reached.

Press **DOWN**:

Note: the motor jogs once

Repeat

Press **DOWN**:

Note: the motor jogs twice indicate middle speed
the motor jogs once indicate slow speed

# Reset to Factory Settings

Each battery motor will come preprogramed from Smartwings .
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set, the remote is unlocked .

Follow the below steps to reset the motor to factory settings and delete all limits/remote pairings.

> To reset the shade motor to factory settings with no stored limits locate the P1 button on the motor head. Hold the programming button for 14 seconds. (the motor jogs four times)

Reset To Factory Settings

Approx. 14 SECS   Red led light

Motor Response

JOG X1   JOG X1   JOG X1   JOG X1
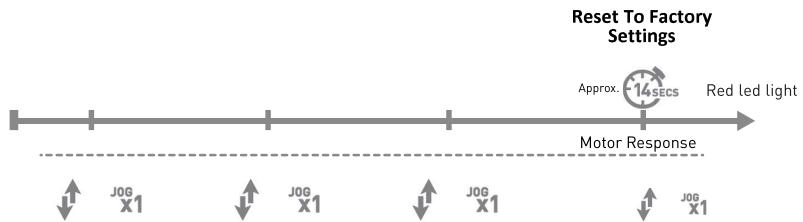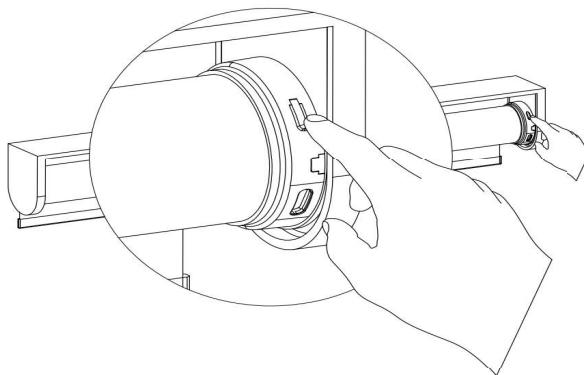
> The motor will jog 4 times before the reset is complete. The programming button must be held the entire time. Red led light on confirm the factory reset is complete.
>
> ***Refer to the Initial Setup Programming section to program a shade after a factory reset.***

Initial Setup Programming

1. SELECT CHANNEL

1a
Press any button to wake remote.

1b
Within **10sec** Press " ‹ " **or** " › "to select desired channel.

2. PAIRING REMOTE TO MOTOR

2a ACTIVATE PAIRING MODE ON MOTOR

Press & HOLD Programming Button on motor head **(2sec)**

Note:the motor jogs once

Activate Pairing Mode

Approx.

2 SECS

Motor Response

JOG X1
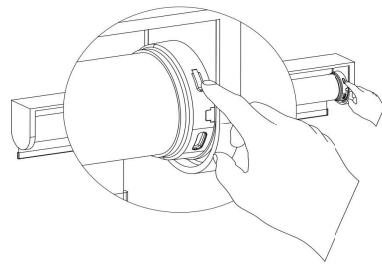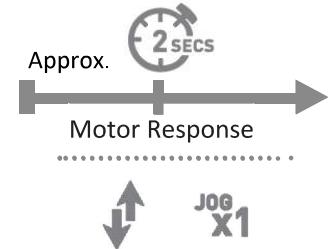
2b PAIRING REMOTE

Within 10 **sec** of activating pairing mode, Press & Hold **STOP**
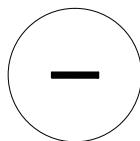
Press **STOP** (2**sec**)

Note:the motor jogs twice

If you do not pair the remote in time the motor pairing sequence will time out, repeat the above steps assuring to press and hold the STOP button within 10 seconds of the motor jog

Initial Setup Programming

3. Unlock/Lock Remote (Limit Setting Mode)

If limits need adjusting, follow the instructions below to unlock the remote for limit setting:

- Unlock the limit setting functionality by pressing the top right button on the back of the remote (remove cover to expose the button)

- Press and hold the button for approximately 15 seconds until the LED display shows a flashing "U", then release.

- PLEASE NOTE - You will need to "Lock" the remote once final adjustments have been made. Simply repeat the above step until a flashing "L" shows on the display ("U" for unlocked, "L" for locked).

3a Lock Remote

1 Hold **STOP** (15sec)	Display Response	2 Press **P (1sec)**	Display Response
⊖	L	SETTING (P)	⊓⊓

3b Unlock Remote

1 Hold **STOP** (15sec)	Display Response	2 Press **P (1sec)**	Display Response
⊖	U	SETTING (P)	⊓⊓
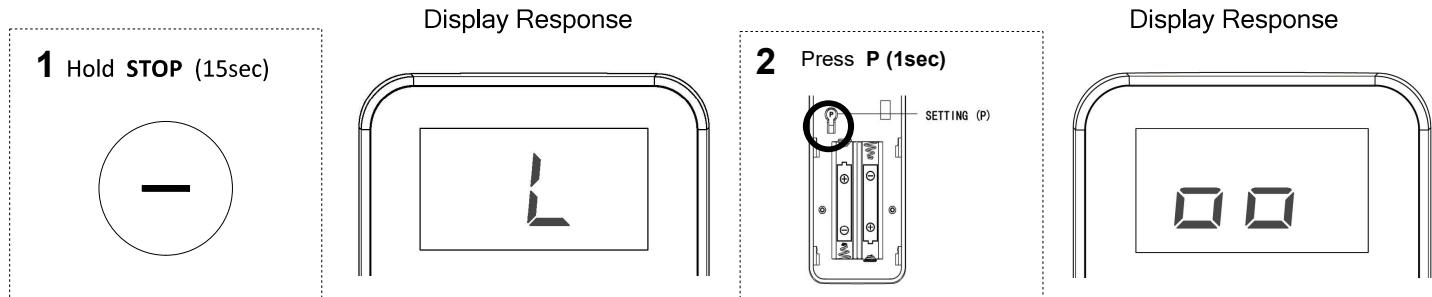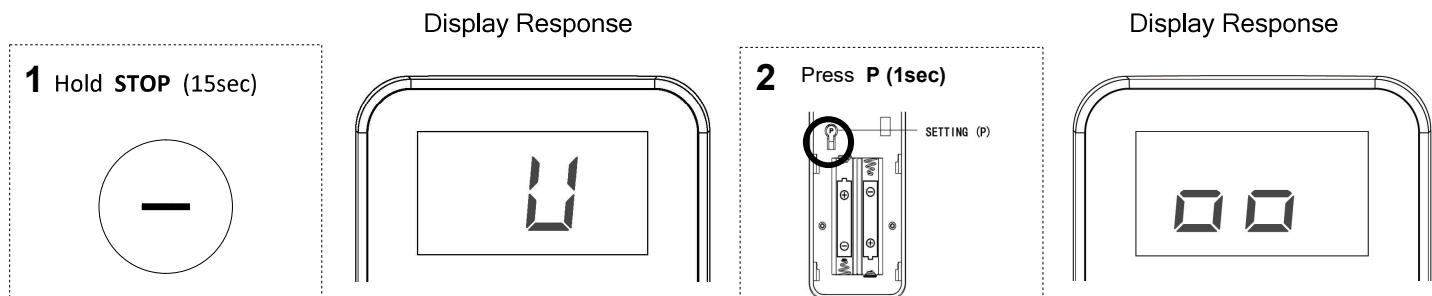
Initial Setup Programming

4. Reverse Motor Direction If Required

REMOTE OPERATION
(Reversing motor direction using this method is only possible during initial set-up, prior to first time limit setting, or after a re-set of motor)

To check motor direction, quickly press the UP **or** DOWN button to move the shade initially. Press STOP to pause the shade operation.

IF DIRECTION DOES NOT ALIGN WITH UP/DOWN BUTTONS – Press and hold down the UP **and** DOWN button simultaneously until the motor jogs UP and DOWN once.

Press and Hold UP + DOWN (2sec)
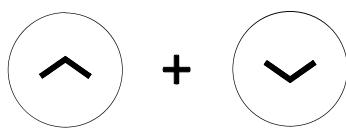
Note:the motor jogs once

Initial Setup Programming

5. Setting Limits

Important!! When attempting below steps, be sure to stop the shade prior to traveling past the desired position or damage to product can occur.

Drive the shade using continuous movement or fine adjust to the position you wish to set as the upper limit. Set limit as described below. the motor jogs twice will confirm the limit is saved. Repeat the same process to drive to and set the lower limit.

(To SET Top Limit)

Press **UP** + **STOP (2sec)**
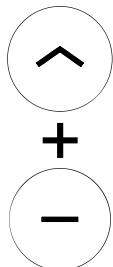
(To SET Bottom Limit)

Press **DOWN** + **STOP (2sec)**
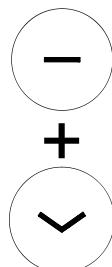
Note:the motor jogs twice

Note:the motor jogs twice

!!WARNING!! - Move shade in short increments by pressing the UP/DOWN button in 1 second intervals (pressing the UP/DOWN button for more than 2 seconds may send the shade past desired upper/lower limit and may result in damage to the product). Once you have reached the desired upper/lower limit, you can adjust the limit with either the UP and DOWN buttons. (remember to adjust in short increments!)

Important!! Remember to return the remote control to "L" mode as previously described to prevent inadvertent shade adjustment during normal operation and remote handling.

Tilt Mode

Each battery motor will come preprogramed from the factory.
The preprograming ensures the remote is paired with the motor, the upper and lower operation limits are set.

Follow the below steps to switch between tilt mode (incremental movement) or roller mode (drives to limits) on any motor. The motor must be paired to a remote .Motors come programmed by default in roller mode.

With the remote unlocked. Hold the UP and DOWN button on the controller for approximately 5 seconds. The motor will jog up and down once.

Immediately after the motor jogs, press and hold the STOP button. The motor will jog up and down and beep to confirm Tilt Mode has been entered.
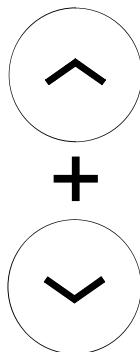
Note:the motor jogs once
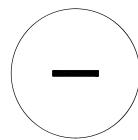
Note:the motor jogs once

Note: Repeat the above procedure to re-enter Roller Mode

If you do not activate tilt mode in time the motor programming sequence will time out, repeat

the above steps assuring to press the STOP button within 4 seconds of the motor jog

Motor P Button Functions

P1 Press	Condition	Function Achieved	Visual Feedback	Audible Feedback	Function Described
Short Press	If limit is NOT set	None	No Action	None	No Action
	If limits are set	Operational control of motor, run to limit. Stop if running	Motor runs	None	Operational control of motor after pairing and limit setting is completed first time
	If motor is in "Sleep Mode" & limits are set	None	No Action	None	No Action

Hold **P1**

Activate Pairing Mode

Approx. **2 SECS**

Motor Response
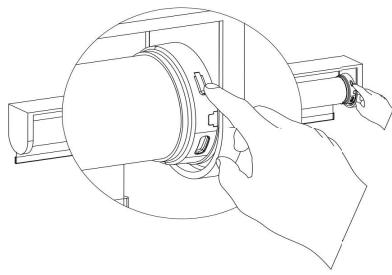
JOG X1

Activate Zigbee Network Pairing Mode

Approx. **6 SECS** Red led light on

Motor Response

JOG X1   JOG X1

Sleep Mode

Approx. **10 SECS**

Motor Response

JOG X1   JOG X1   JOG X1

Reset To Factory Settings

Approx. **14 SECS** Red led light

Motor Response
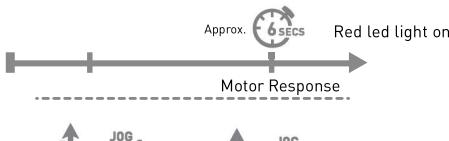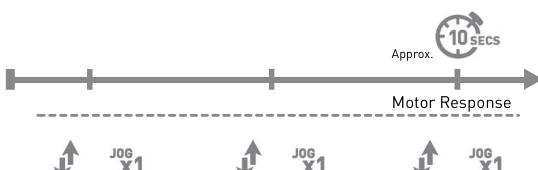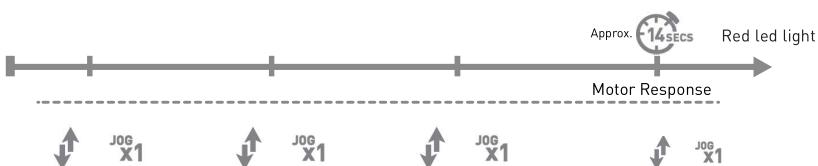
JOG X1   JOG X1   JOG X1   JOG X1

Recharge The Battery

Use a USB-C cable to charge the motor
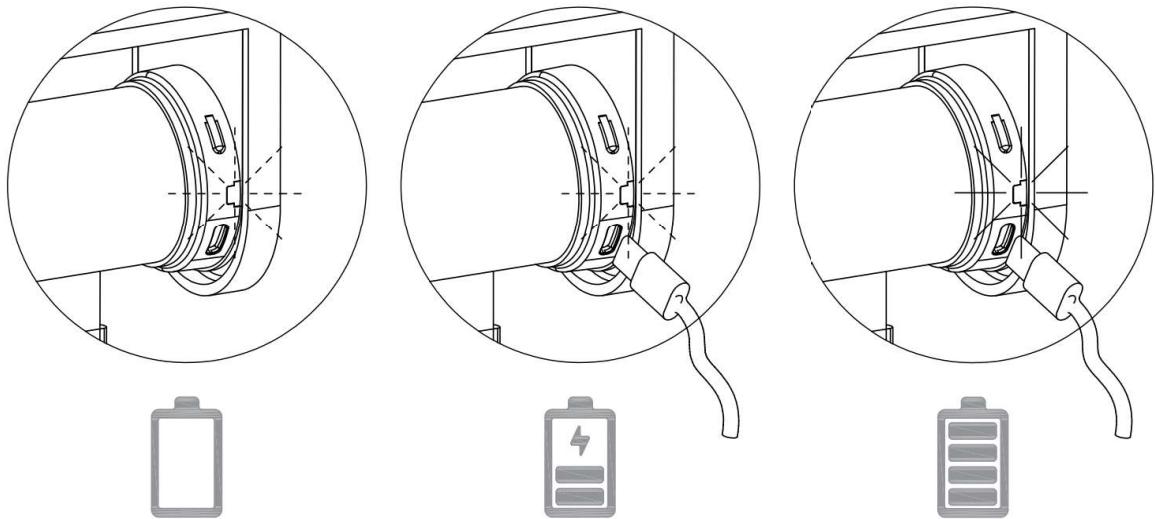
Red led light flashes
during operation:
Indiacate low power,
need to be charged

Green led light
flashes :
Battery is charging

Green led light constantly
green:
Battery is fully charged

Troubleshooting

PROBLEM	CAUSE	REMEDY
Motor is not responding	Remote battery has been completely discharged	Replace battery with new 1.5V - Battery 2 cells
	Battery is inserted incorrectly	Check battery positioning
	Radio interference / Shielding	Ensure remote is positioned away from metal objects and that antenna on motor or receiver is kept straight and away from metal.
	Receiver distance is too far from remote	Move remote to a closer position.
	Power failure	Check power supply to motor is connected and active.
Cannot adjust limits on a single motor (multiple motors respond)	Multiple motors are grouped onto one channel.	Disconnect power to other motors or put them in sleep mode.
Motor is no charging	Charger is not plugged in or does not work	Try a different charger or make sure the charger is plugged in the outlet

FCC:

This device complies with part 15 of the FCC Rules. Operation is subject to the condition that this device does not cause harmful interference (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different
    from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.