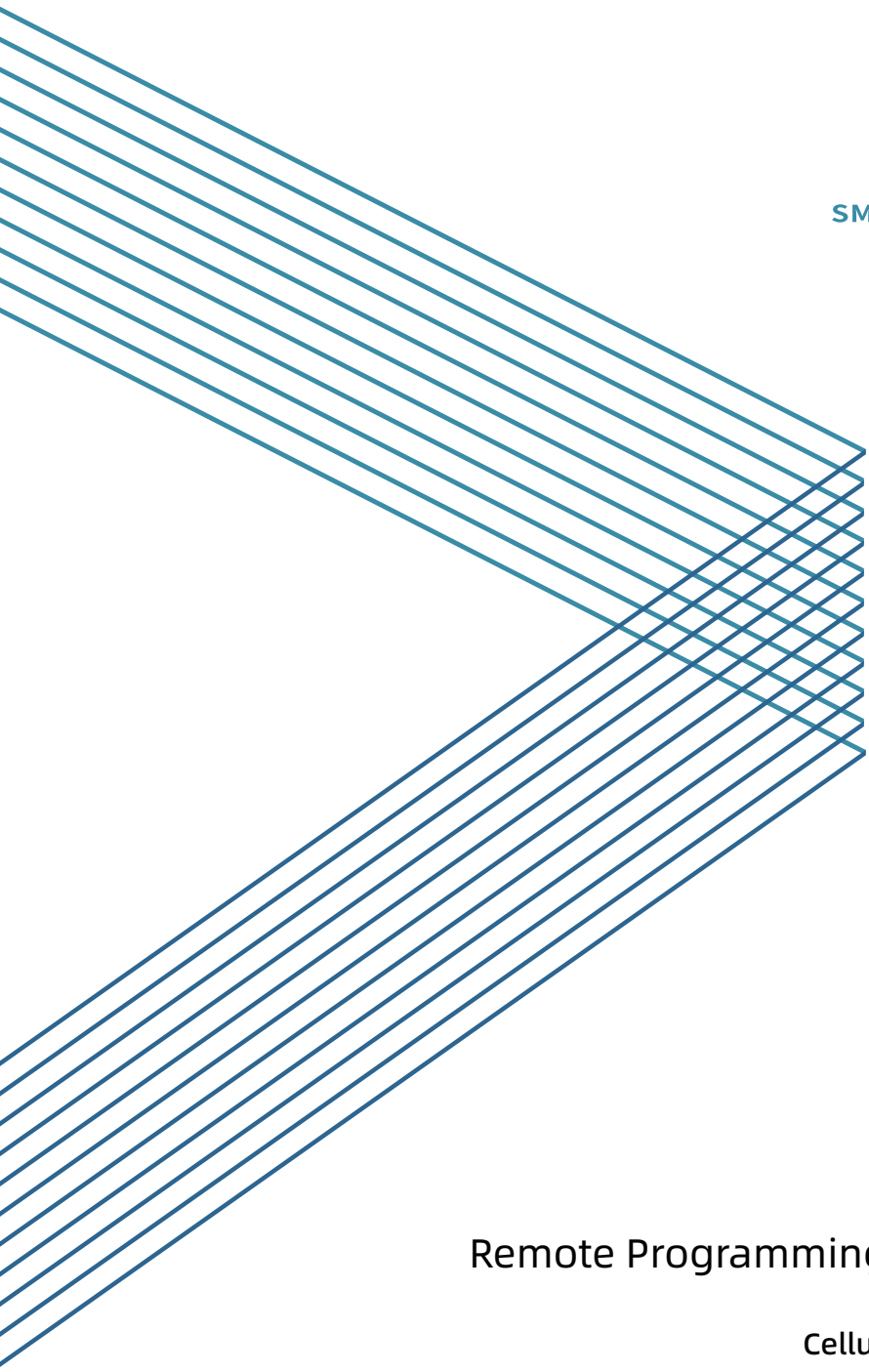

SMARTWINGS

Remote Programming Guide

Cellular Shade

INS-C013-A
A-05 Dec 2023

Important Safety Instructions

WARNING: Adhering to these guidelines is crucial to mitigate the risk of significant injury or even fatality. Please prioritize your safety by strictly following these instructions. Ensure you retain a copy of these guidelines for future reference.

Important Usage and Safety Guidelines

1. **Installation:** Always adhere to the provided installation instructions.
2. **Usage by Children and Vulnerable Individuals:**
   - This device is suitable for use by children aged 8 and above, and individuals with certain disabilities, but only under supervision. They must understand the associated risks.
   - Children mustn't play with the device or perform cleaning and maintenance.
   - Always keep fixed controls and remote controls out of children's reach.
3. **Regular Checks:** Periodically inspect the installation for imbalances, wear, or damage, especially to cables and springs. If any issue arises, cease use immediately until repaired.
4. **Maintenance Safety:**
   - Disconnect the device from the power source during cleaning, maintenance, or part replacements.
   - Turn off or unplug the device when nearby tasks, like window cleaning, are taking place.
5. **Noise Level:** The sound pressure level of the drive doesn't exceed 70dB(A).
6. **Usage Environment:** This appliance is designed for indoor and domestic use only.
7. **Switch Safety:** When using a biased switch, ensure others remain at a safe distance.
8. **Voltage Requirement:** Only use the tube motor with the safety extra-low voltage specified on the appliance's label.
9. **Battery Information:** The device contains non-replaceable batteries. Always handle with care.

Cleaning Guidelines

For the exterior cleaning of the device and its parts, adhere to these recommendations:

- Use a soft, lint-free cloth that's slightly damp.
- Ensure that no moisture enters any of the device's openings.
- Refrain from using aerosol sprays, solvents, alcohol, or abrasive materials.

Service & Support

For your safety, refrain from attempting any repairs or opening the device. Unauthorized attempts risk electric shock and may void the warranty. There are no parts inside intended for user servicing.

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Each Smart battery motor is factory-preprogrammed. This ensures the motor is paired with its remote, operational limits are preset, and the remote is unlocked for use.

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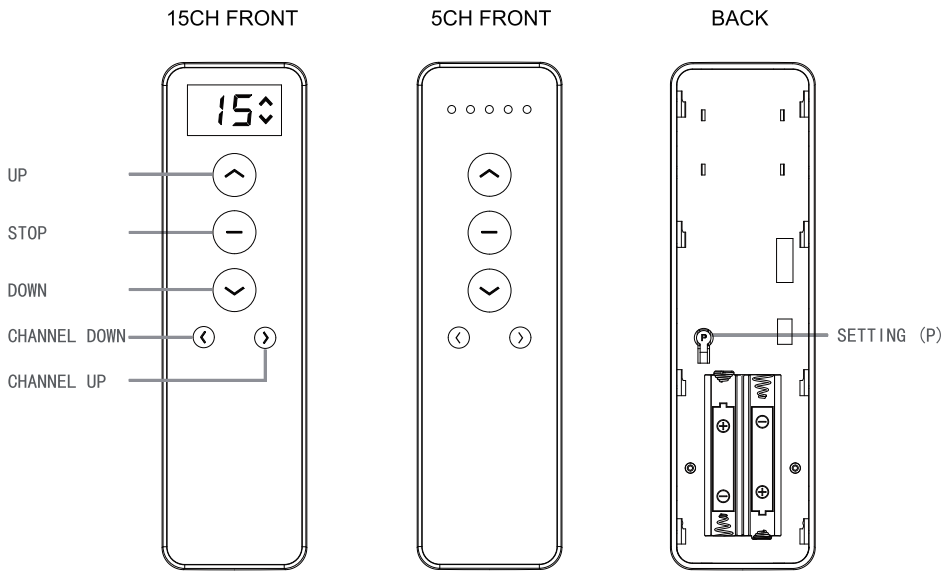
Remote Overview



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

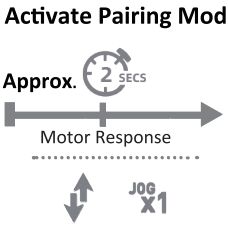
Sleep Mode

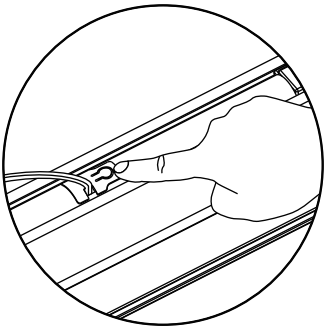
Each battery motor from SmartWings is factory-preprogrammed and set to "Sleep Mode" before shipping to prevent any unintended operation. Before setup and operation, it's essential to "Wake" the motor.

Exiting Sleep Mode

To activate the motor from "Sleep Mode", ensure it's properly installed and secured within the mounting hardware.

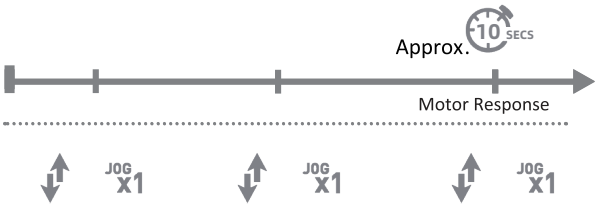
To awaken the motor from "Sleep Mode" after ensuring its safe and secure installation, press and hold the programming button on the motor head until the motor makes **a single jog**. The motor is now active and prepared for further configuration.

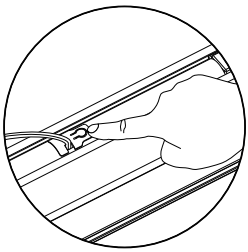




Enter Sleep Mode

To activate "Sleep Mode" when needed, press and hold the programming button for 10 seconds. Once the motor jogs **three times**, release the button. The motor is now in "Sleep Mode."



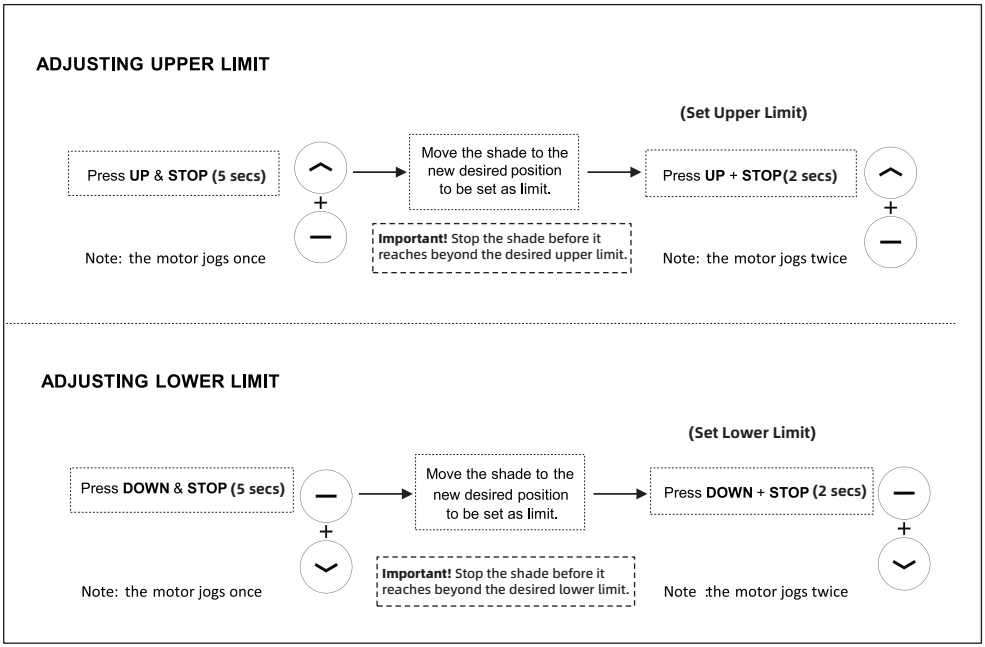


Adjusting Limits

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits and an unlocked remote.

Should you need to modify the preset limits, refer to the following instructions.

If adjustments to the limits are required, follow the instructions below to unlock the remote for limit setting:



Tips: If you hold the UP/DOWN button for more than 3 seconds, the shade will enter running mode. As the shade approaches the desired limit, press the STOP button and then fine-tune the limit.

Favorite Positions

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits and an unlocked remote.

To set a favorite position, follow these steps. The favorite position allows you to designate a custom stopping point between the upper and lower limits. Note: Each shade motor supports one favorite position.

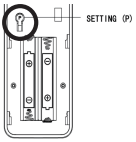
To set a preferred position for your shade motor, move to the desired spot and press the STOP button to halt its movement.

SETTING FAVORITE POSITION

1 (To Save Position)

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

2 Press **P (1 sec)**



Note: the motor jogs once

3 Press **STOP (1 sec)**

Note: the motor jogs once

4 Press **STOP (1 sec)**

Note: the motor jogs twice

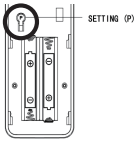
Press and hold STOP button for 2 seconds, the shade will stop at favorite position.

DELETING FAVORITE POSITION

1 (To Delete Position)

the shade is **STOP**

2 Press **P (1 sec)**



Note: the motor jogs once

3 Press **STOP (1 sec)**

Note: the motor jogs once

4 Press **STOP (1 sec)**

Note: the motor jogs once

Remote + Motor Pairing

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits and an unlocked remote.

To select a different remote channel for pairing with the motor(s) later on, follow these steps:

1. SELECT CHANNEL

1a

Press any button to wake remote

1b

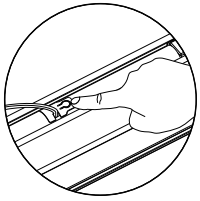
Within 10 secs Press "‹" **or** "›" to select desired channel.

2. PAIRING REMOTE TO MOTOR

2a ACTIVATE PAIRING MODE ON MOTOR

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

Note: the motor jogs once



Activate Pairing Mode

Approx. 2 SECS

Motor Response

JOG X1

2b ADDING OR REMOVING THE REMOTE

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

Press **STOP (2 secs)**

Note: the motor jogs twice.

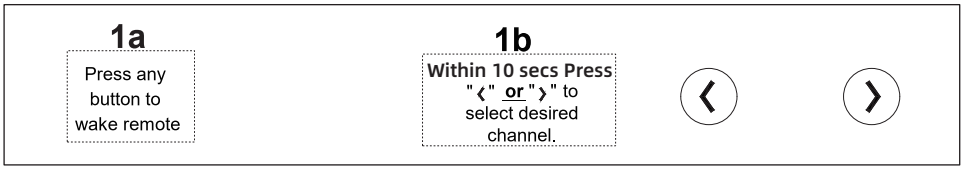
If you don't pair the remote within the timeframe, the motor's pairing sequence will expire. In such cases, redo the previous steps, ensuring you press and hold the STOP button within 10 seconds after the motor jog.

Mirroring Remotes

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits and an unlocked remote.

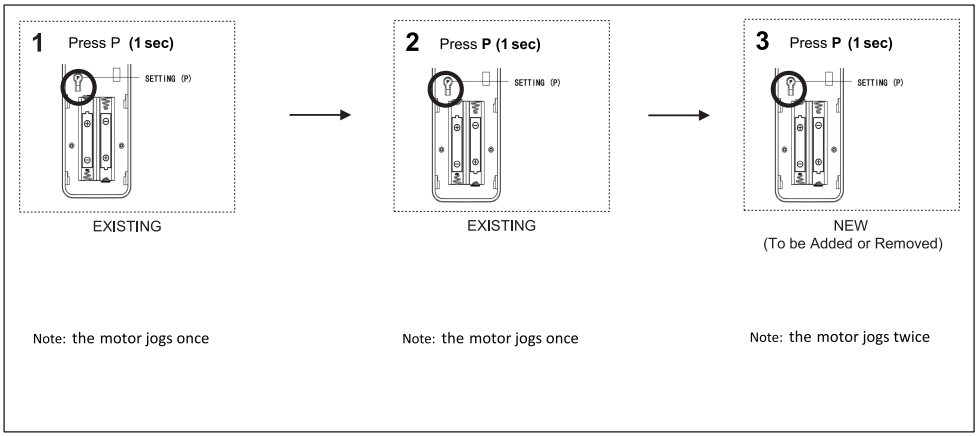
Follow these steps to transfer settings from an existing remote to a new one.

1. SELECT CHANNEL



Note: 1. Choose the desired channel on the current remote to duplicate.
2. On the new remote, pick the channel where you want the settings of the existing channel to be mirrored.

2. ADD OR REMOVE REMOTE USING AN EXISTING REMOTE



Group Control

Every battery motor from SmartWings arrives preprogrammed.
If you have multiple motors paired with a 15-channel remote, remember the '0' channel is set to control all motors simultaneously by default.

To set specific motors for group control on a designated channel, follow these steps:

To operate multiple motors simultaneously without switching channels, you can set up grouped channels. Ensure each motor is individually paired with its own channel on the remote before proceeding with grouping. This facilitates the synchronized operation of selected motors.

1. SELECT CHANNEL TO BE PAIRED AS A GROUP

1a

Press any button to wake remote

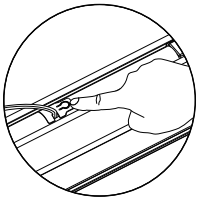
1b

Within 10 secs Press "❮" or "❯" to select desired channel.

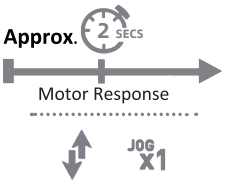
2. PAIRING OR REMOVING MOTOR FROM A SPECIFIC CHANNEL

2a ACTIVATE PAIRING MODE ON MOTOR

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



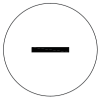
Activate Pairing Mode



Note: the motor jogs once

2b PAIRING REMOTE

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



Press **STOP (2 secs)**

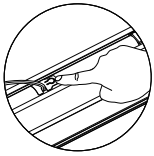
Note: the motor jogs twice.

If you don't pair the remote within the timeframe, the motor's pairing sequence will expire. In such cases, redo the previous steps, ensuring you press and hold the STOP button within 10 seconds after the motor jog.

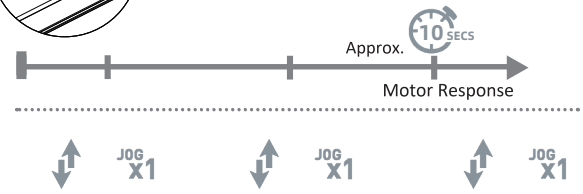
3. Adjust the limits to ensure that all the shades added to this channel are consistent.

When adjusting one of the shade limits, please ensure that other shades on this channel are in sleep mode, follow the steps below:

Press & HOLD Programming Button on motor head **(10 secs)**



Note: The motor will jog three times. After ensuring all other shades are in sleep mode, proceed to adjust the shade limits as detailed below:



ADJUSTING UPPER LIMIT

Press **UP** & **STOP (5 secs)** + —

Note: the motor jogs once

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

Important! Stop the shade before it reaches beyond the desired upper limit.

→ **(Set Upper Limit)** Press **UP** + **STOP (2 secs)** + —

Note: the motor jogs twice

ADJUSTING LOWER LIMIT

Press **DOWN** & **STOP (5 secs)** — +

Note the motor jogs once

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

Important! Stop the shade before it reaches beyond the desired lower limit.

→ **(Set Lower Limit)** Press **DOWN** + **STOP (2 secs)** — +

Note: the motor jogs twice

Tips: If you hold the UP/DOWN button for more than 3 seconds, the shade will enter running mode. As the shade approaches the desired limit, press the STOP button and then fine-tune the limit.

Hide/Unhide Remote Channels

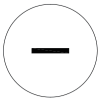
Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits and an unlocked remote.

Follow the steps below to hide or unhide channels on the remote.
(**Note:** This function is exclusive to the 15CH model).

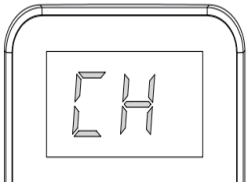
1 Hold the"‹"and "›" for 2 seconds

2 Press "‹"or "›" to select number of channel

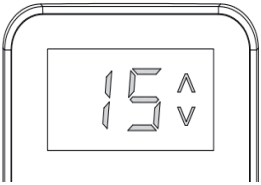
3 Press **STOP** for 1 second



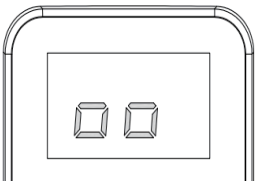
Display Response



Display Response



Display Response

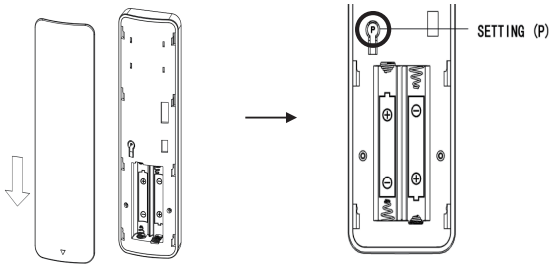


Adjusting Motor Speed

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits and an unlocked remote.

To modify the motor speed: Ensure a remote is paired with the motor. Proceed with the following instructions to adjust speed.

To access speed adjustment settings: Remove the battery cover on the back of the remote. Press the left "P" button.



Note: the motor jogs once

To Increase speed:

IMPORTANT

If the motor doesn't respond to speed adjustments, it's already at its max or min speed limit.

Press UP:

Note: the motor jogs once

Repeat

Press UP:

Note: If the motor jogs twice, it indicates a medium speed. If it jogs three times, it signifies a fast speed.

To Decrease speed:

IMPORTANT

If the motor doesn't respond to speed adjustments, it's already at its max or min speed limit.

Press DOWN:

Note: the motor jogs once

Repeat

Press DOWN:

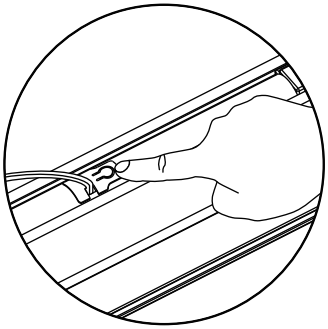
Note: two jogs indicate middle speed, while three jogs signal fast speed.

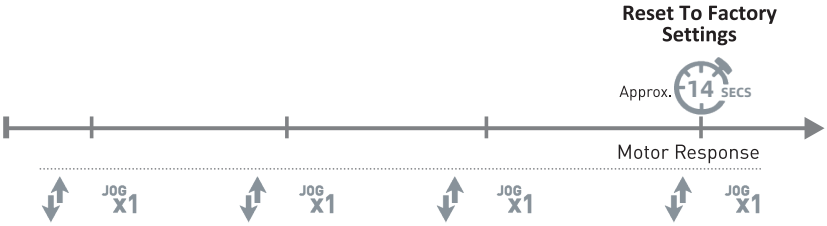
Reset to Factory Settings

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits and an unlocked remote.

To reset the motor to factory settings and clear all pairings/limits, follow these steps:

To factory reset the motor, find the P1 button on the motor head, press and hold this button for 14 seconds until the motor jogs four times.





Hold the programming button until the motor jogs four times to complete the reset. Ensure the button is pressed throughout. A red LED light confirms the reset is successful.

For shade programming post-reset, refer to the Initial Setup Programming section. (continue to page 13 - page 15)

Initial Setup Programming

1. SELECT CHANNEL

1a

Press any button to wake remote.

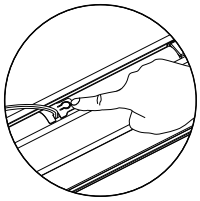
1b

Within 10 secs Press " ‹ " **or** " › "to select desired channel.

2. PAIRING REMOTE TO MOTOR

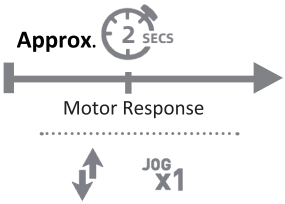
2a ACTIVATE PAIRING MODE ON MOTOR

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



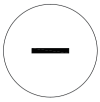
Activate Pairing Mode

Note: the motor jogs once



2b PAIRING REMOTE

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



Press **STOP (2 secs)**

Note: the motor jogs twice

If you don't pair the remote within the timeframe, the motor's pairing sequence will expire. In such cases, redo the previous steps, ensuring you press and hold the STOP button within 10 seconds after the motor jog.

3. Reverse Motor Direction If Required

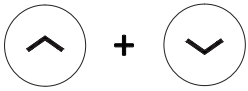
REMOTE OPERATION

Note: This operation is only applicable when the shade limits have not been set.

To verify motor direction, briefly press the UP or DOWN button. Pause the shade by pressing STOP.

If the direction doesn't match the UP/DOWN buttons, press and hold both buttons together until the motor jogs once in each direction.

Press and Hold UP + DOWN (2 secs)



Note: the motor jogs once

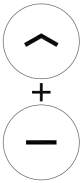
4. Setting Limits

Important!! Before proceeding with the steps below, ensure you stop the shade before it reaches beyond the desired position to prevent damage.

Move the shade continuously or make fine adjustments to reach your desired upper limit position. Confirm the limit by looking for two motor jogs. Use the same method to set the lower limit.

(To Set Upper Limit)

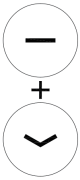
Press **UP** + **STOP** (2 secs)



Note: the motor jogs twice

(To Set Lower Limit)

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



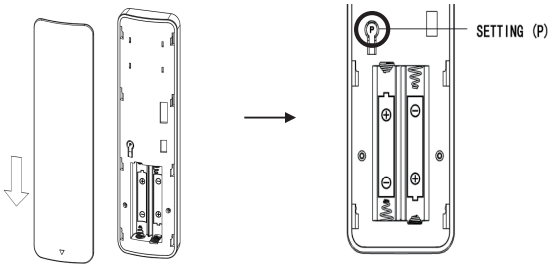
Note: the motor jogs twice

Tips: If you hold the UP/DOWN button for more than 3 seconds, the shade will enter running mode. As the shade approaches the desired limit, press the STOP button and then fine-tune the limit.

Reverse Motor Direction

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits..

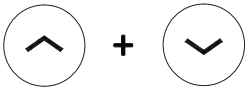
Follow the steps below to reverse the motor direction:



Note: the motor jogs once

Press the UP and DOWN buttons simultaneously.

Press UP + Down



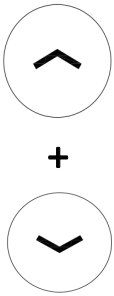
Note: the motor jogs once

Tilt Mode

Every battery motor from SmartWings arrives preprogrammed.
This includes the remote synced with the motor, preset upper and lower operational limits.

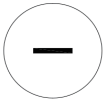
To switch between tilt mode (moves an inch with each press) and running mode (moves continuously), ensure the shade limits are set and then follow these steps:

With the remote unlocked, hold UP and DOWN button on the remote for around 5 seconds, the motor will jog once.



Note: the motor jogs once

After the motor jogs, press the STOP button. The motor will jog once, indicating it has entered Tilt Mode.



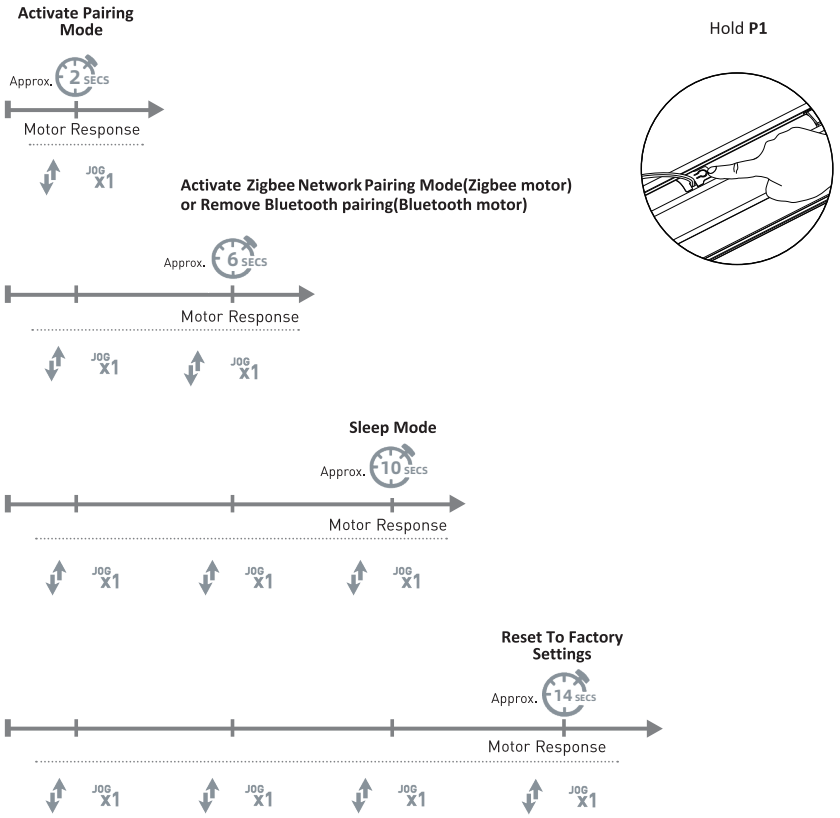
Note: the motor jogs once

NOTE: To return to Running Mode, simply follow the procedure outlined above.

If tilt mode isn't activated promptly, the motor programming will time out. To reinitiate, follow the steps again, ensuring you press the STOP button within 4 seconds after the motor jogs.

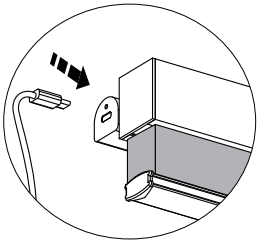
Motor P Button Functions

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

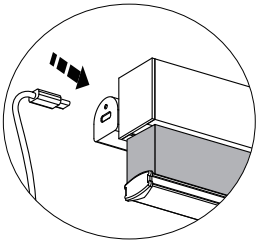


Recharge The Battery

Connect the motor using a USB-C cable for charging.



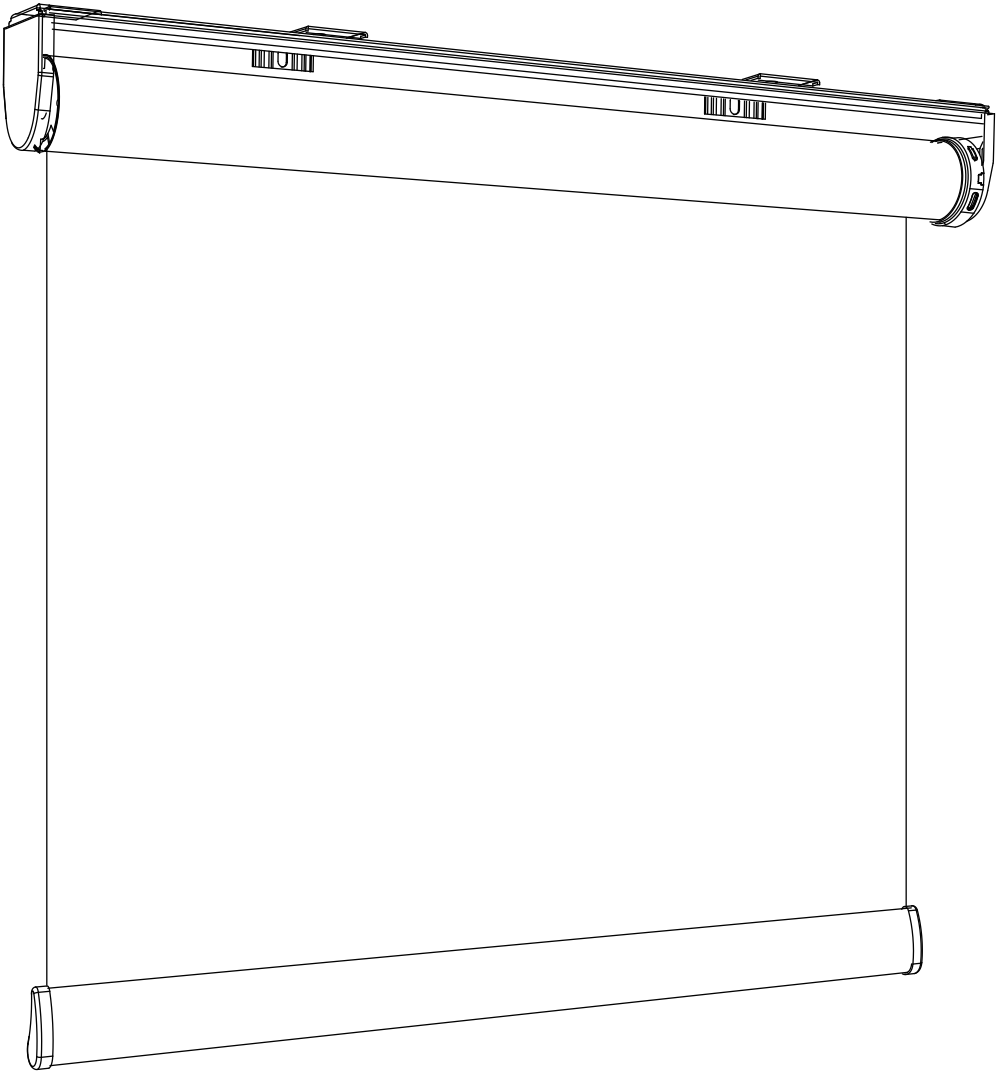
Orange LED light steady :
Battery charging in progress.



Blue LED light steady :
Battery 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.
Can not 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



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