



Shade Smarter, Live Better

A-01



Remote Programming Guide

Skylight TDBU Cellular Shade

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).
- 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

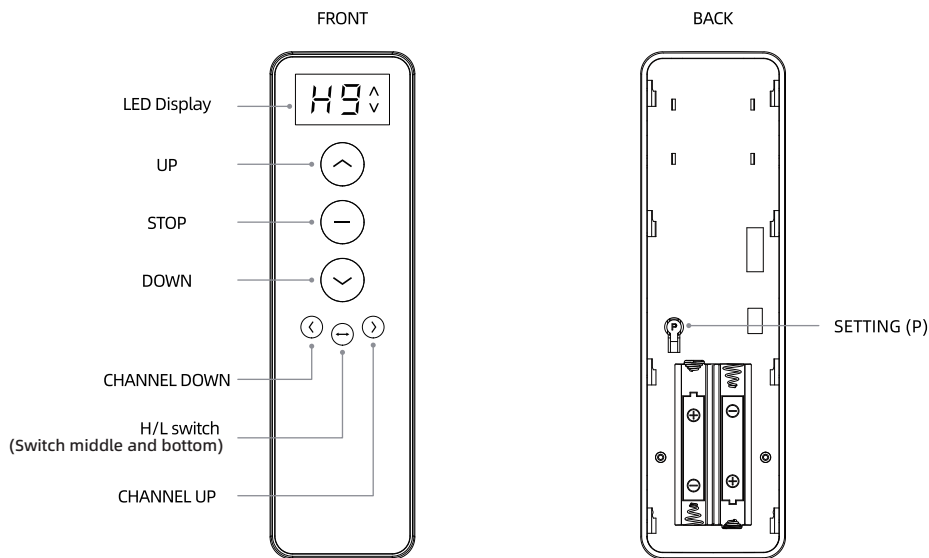
Do not perform repairs yourself. Do not attempt to open the device or disassemble it. You run the risk of electric shock and voiding the limited warranty. No user-serviceable parts are inside.

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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

CHANNEL FEATURES

- The H channel corresponds to the Middle rail.
- The L channel corresponds to the Bottom rail.
- Press and hold the UP button to move both the Middle and Bottom rails upward simultaneously.
- Press and hold the DOWN button to move both the Middle and Bottom rails downward simultaneously.

PACKAGE CONTENTS

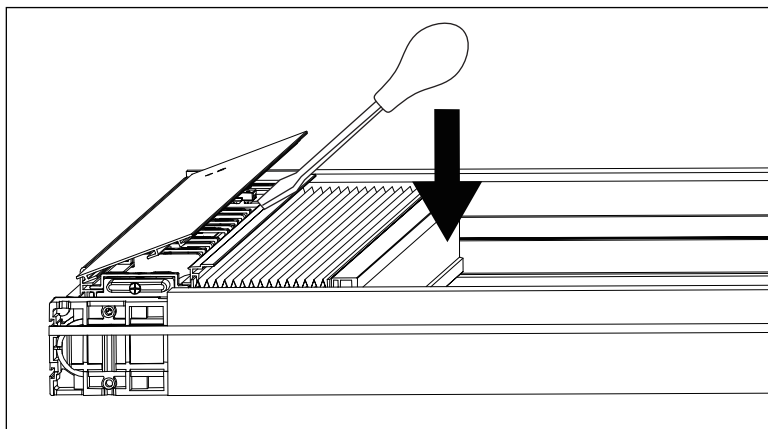
- Remote
- Wall mount holder & fixing screws
- 1.5V - AAA Battery 2 cells

Preparation

Remove the cover plate before starting the limit setting.

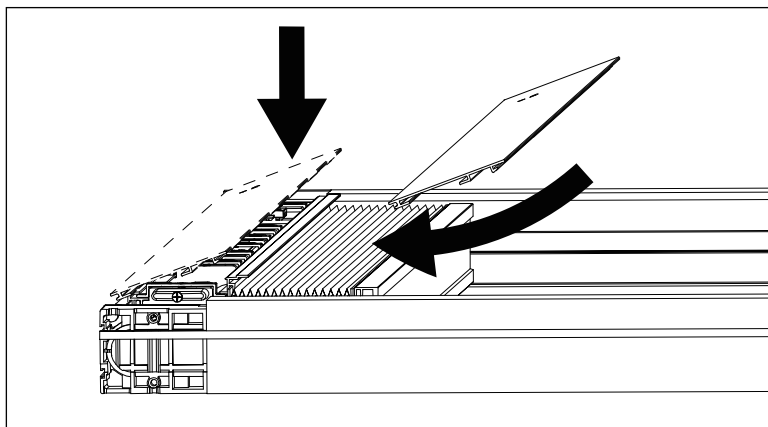
Opening the cover plate (Before Limit Setting)

Pry open the cover plate on the top rail along its edge as shown in the illustration, then remove it.



Reattaching the cover plate (After Limit Setting)

Reattach the cover plate to its original position, ensuring that no wires are pinched during installation.



Sleep Mode

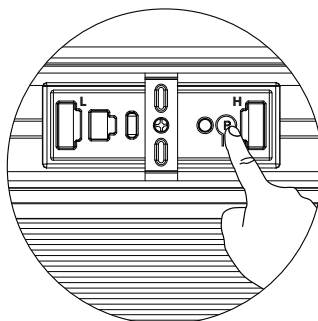
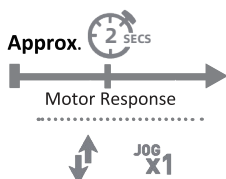
Each battery motor from original manufacturer is factory-preprogrammed and set to "Sleep Mode" before shipping to prevent any unintended operation. Before setup and operation, it's essential to "Wake" the motor.

Exiting Sleep Mode

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

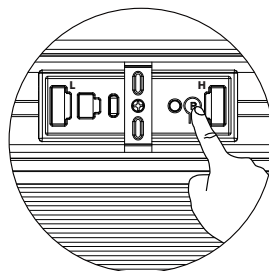
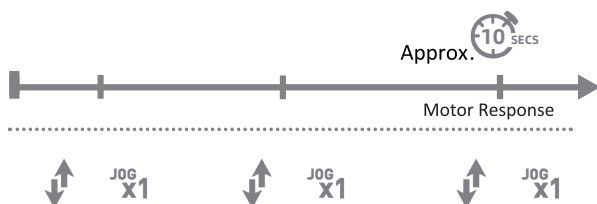
To awaken the motor from "Sleep Mode" after ensuring its safe and secure installation, press and hold the programming button on the motor head until the motor makes **a single jog**. The motor is now active and prepared for further configuration.

Activate Pairing Mode



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."



Motor Pairing

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

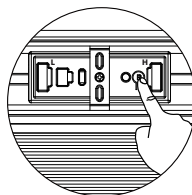
Within 10 secs Press
"◀" or "▶" to
select desired
channel.



2. PAIRING REMOTE TO MOTOR

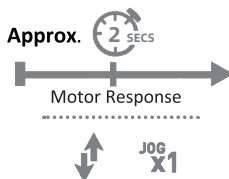
2a ACTIVATE PAIRING MODE ON MOTOR

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



Activate Pairing Mode

Note: the motor jogs once



2b ADDING OR REMOVING THE REMOTE

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



Press **STOP** (2 secs)

Note: Both H and L motors will
jog twice simultaneously

If the remote is not paired within the allowed time, the motor will exit pairing mode. In that case, repeat the previous steps, and make sure to press and hold the STOP button within 10 seconds after the motor jogs.

Reverse Motor Direction (Before Limit Setting)

3. Reverse Motor Direction If Required

REMOTE OPERATION

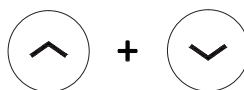
Note: This operation is only applicable when the shade limits have not been set.

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)



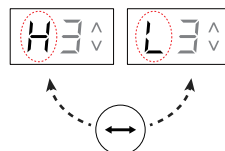
Note: the motor jogs once

Manual Limit Setting

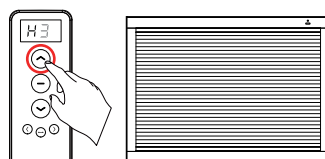
NOTE: If the limits have not been set, the red light will flash three times each time the UP or DOWN button is pressed. This is a reminder to complete limit setting.

SET UPPER LIMIT

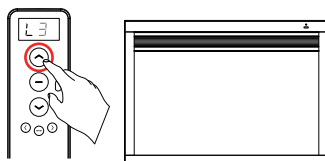
Press the "H/L Switch" button to toggle between H motor rail control mode (display shows "H") and L motor rail control mode (display shows "L")



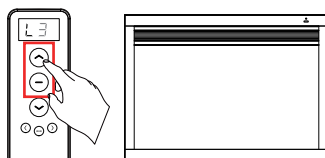
Hold the UP button to raise the H motor (middle rail) to its upper limit. It will stop automatically if obstructed.



Hold the UP button to raise the L motor (bottom rail) to its upper limit. It will stop automatically if obstructed.



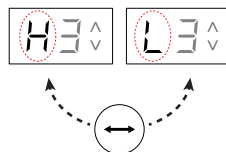
Press and hold UP and STOP together for 2 seconds, until both H and L motors jog twice, indicating the upper limit have been successfully set.



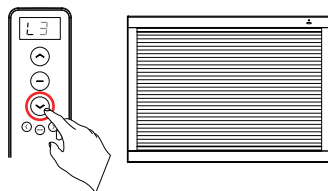
Manual Limit Setting

SET LOWER LIMIT

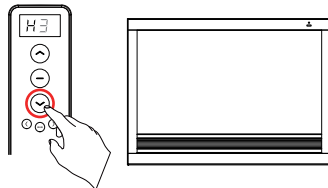
Press the "H/L Switch" button to toggle between H motor rail control mode (display shows "H") and L motor rail control mode (display shows "L")



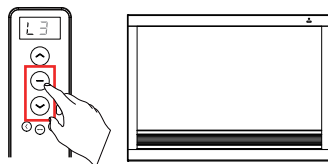
Hold the DOWN button to lower the L motor (bottom rail) to its lower limit. It will stop automatically if obstructed.



Hold the DOWN button to lower the H motor (middle rail) to its lower limit. It will stop automatically if obstructed.



Press and hold DOWN and STOP together for 2 seconds, until both H and L motors jog twice, indicating the lower limit have been successfully set.



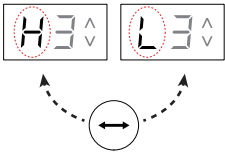
Automatic Limit Setting

NOTE: If the limits have not been set, the red light will flash three times each time the UP or DOWN button is pressed. This is a reminder to complete limit setting. During the automatic limit-setting process, if the middle or bottom rail encounters obstacles, the red light will flash twice as a warning.

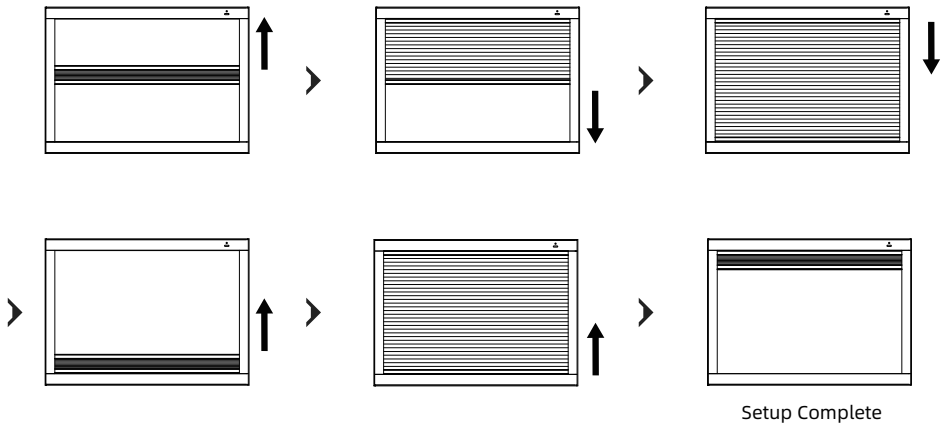
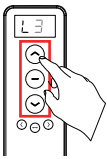
SET LIMIT

Automatic limit setting when encountering obstacles.

Press the "H/L Switch" button to toggle between H motor rail control mode (display shows "H") and L motor rail control mode (display shows "L")



Press and hold the UP, DOWN, and STOP buttons simultaneously to start automatic limit setting. The motors will operate in the following sequence: middle rail moves up, bottom rail moves down, middle rail moves down, middle rail moves up, and bottom rail moves up. During this automatic setup process, no remote commands will be accepted. Please wait patiently until it completes.



Adjusting Limits (After Limit Setting)

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

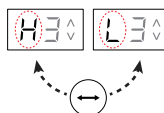
ADJUSTING UPPER LIMIT

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

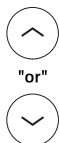
Note: the motor jogs once



Press the "H/L Switch" button to toggle between H motor rail control mode (display shows "H") and L motor rail control mode (display shows "L")



Move both the middle rail and the bottom rail to the positions that you wish to set as the upper limit.



"or"

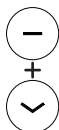
Press **UP & STOP** (2 secs)



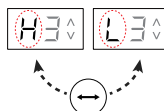
ADJUSTING LOWER LIMIT

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

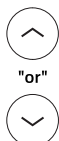
Note: the motor jogs once



Press the "H/L Switch" button to toggle between H motor rail control mode (display shows "H") and L motor rail control mode (display shows "L")



Move both the middle rail and the bottom rail to the positions that you wish to set as the lower limit.



"or"

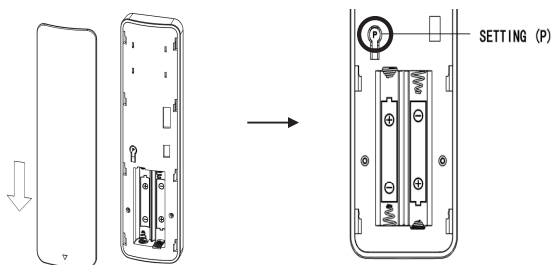
Press **DOWN & STOP** (2 secs)



Adjusting Motor Speed

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:



Repeat



Note: the motor jogs once

Press UP:

Note: H and L motors jog twice simultaneously to indicate medium speed, and three times to indicate 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:



Repeat



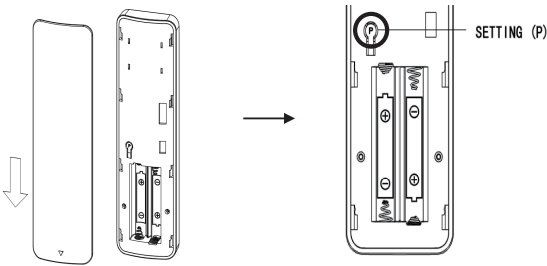
Note: the motor jogs once

Press DOWN:

Note: H and L motors jog twice simultaneously to indicate medium speed, and once to indicate low speed.

Reverse Motor Direction

To reverse the motor direction after limit setup, follow these steps:

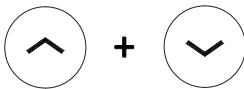


Note: the motor jogs once



Press the UP and DOWN buttons simultaneously.

Press UP + Down

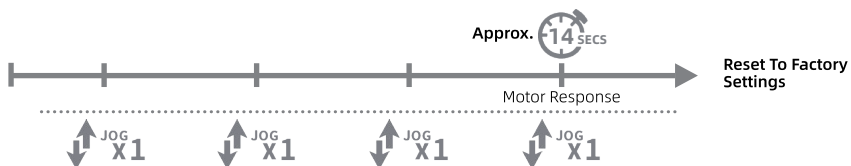
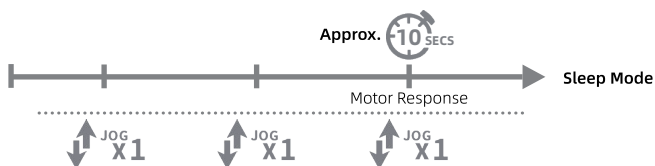
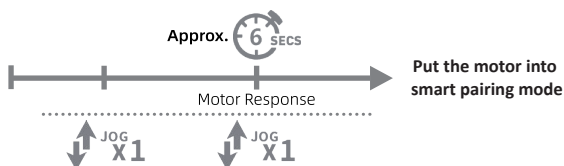
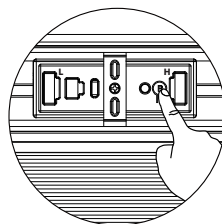
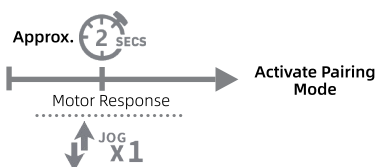


Note: the motor jogs once

Motor P Button Functions

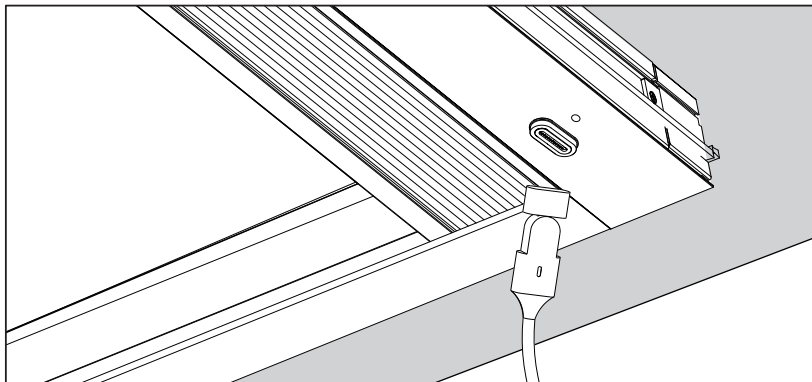
P1 Press	Condition	Function Achieved	Visual Feedback	Audible Feedback	Function Described
Short Press	If Limit is NOT set	Operational control of the motor: runs until it reaches the limit stop	Motor runs	None	Motor runs
	If Limits are set	Operational control of the motor: runs until it reaches the limit stop	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	Red indicator light flashes twice	No Action	None	Motor is in sleep mode

Hold P1



Recharge The Battery

Use a USB-C cable to charge the motor



If the red LED light flashes, it indicates that the battery is low and needs to be charged promptly.



When charging, the green LED light will flash.



A solid green LED light indicates the battery is fully charged.

NOTE:

1. During charging, if the motor is running, the charging indicator light remains off and does not flash.
2. To turn off the charging indicator light, move the shade to the lower limit. Then press and hold the down button for 3 seconds, until the red light flashes three times, confirming the indicator is off. During the next charge, when the Type-C cable is connected, the green light will flash three times to indicate charging has started. Repeat the same steps to turn the indicator light back on.

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

