

R2160-AC HARD WIRED MOTOR

OPERATING INSTRUCTIONS



Motor Information

This motor range is for indoor use only, do not use outdoors or in humid environments.

When a motor has no limits set it will operate in jog mode. Once the blind's top and bottom limits are set this will change to a continuous operation between limit positions.

The motor is mains powered.

Please fully charge motor before first use.

Confirm the rated voltage and frequency according to the nameplate before use.

Each motor can be paired with a maximum of 10 controllers

The motor can run for a maximum of 6 minutes continuously.

A motor's upper and lower limits cannot be set at the same position.

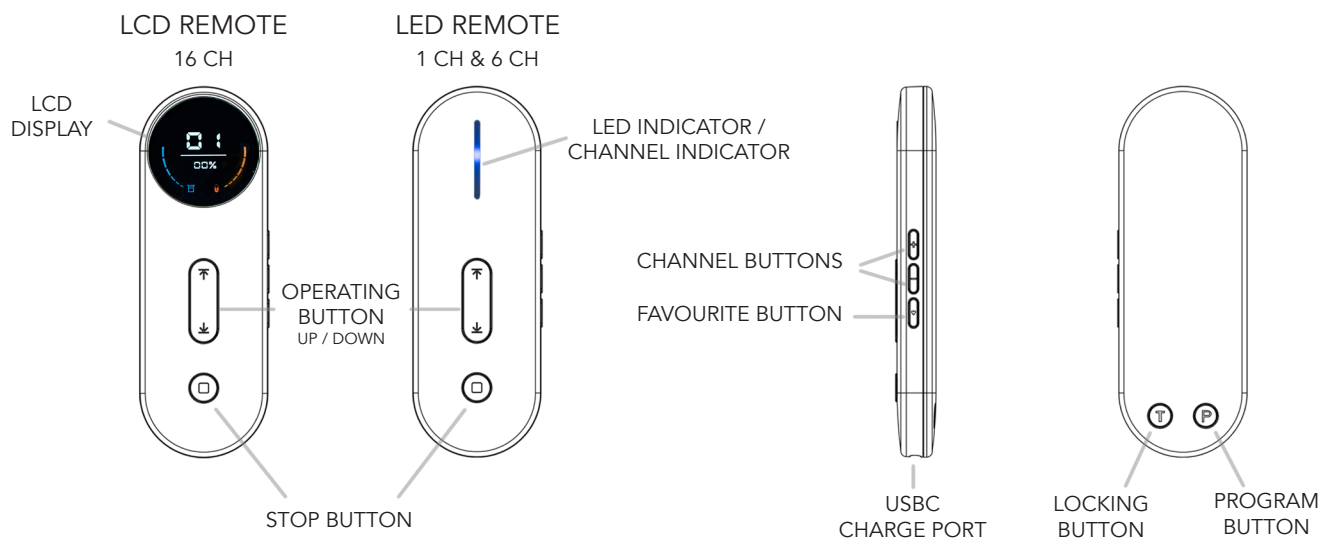
When programming the motor, the operator has a 10 second window to complete each stage. If a stage is not carried out within the 10 second window, the motor will automatically exit the current mode and the motor will not be set.

Limits are saved even if the motor runs out of battery or is powered off. Removing any or all remotes does not remove set limits.

During the setup/programming stage the motor will jog in operation, please do not proceed to the next step until it has completed this function.

Remote Layout

NOTE : The LCD remote screen displays the battery of the blind on the LEFT side and the battery of the remote on the RIGHT side.



Motor Head Button Operation

Control Blind - UP, STOP & DOWN

Short press the Motor Head Button. Each press will raise, stop or lower the blind.

Add/Remove Controller

Press and hold the Motor Head Button for 2 seconds. The blind will jog and flash orange. Press the PROG button on the remote and the blind will jog. Remote is added/removed.

Bluetooth Connecting

Hold the Motor Head Button for 6 seconds. The motor will jog and flash orange twice. Then it will flash blue. The motor is in Bluetooth mode.

Direction/Reverse

Hold the Motor Head Button for 10 seconds. The motor will jog and flash orange three times. The direction has been reversed.

Reset

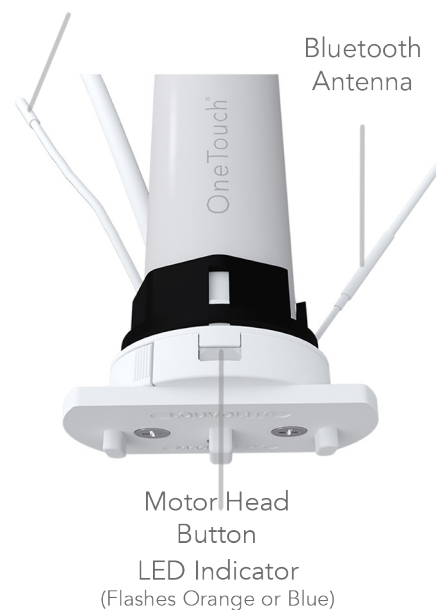
Hold the Motor Head Button for 16 seconds. The motor will jog and flash orange four times. All settings are deleted.

Smart Hub Connecting

Hold the Motor Head Button for 2 seconds, the blind will jog and flash orange. Then press 3 times within 10 seconds. The motor will flash blue, motor is in pairing mode.

RF Antenna

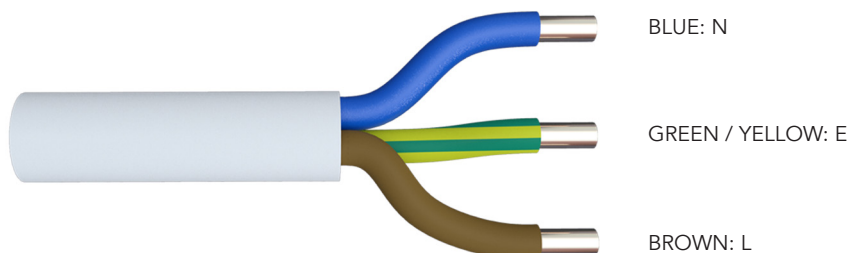
Bluetooth Antenna



Power Source

This motor is mains powered. Please see below wiring diagram -

220V / 50Hz

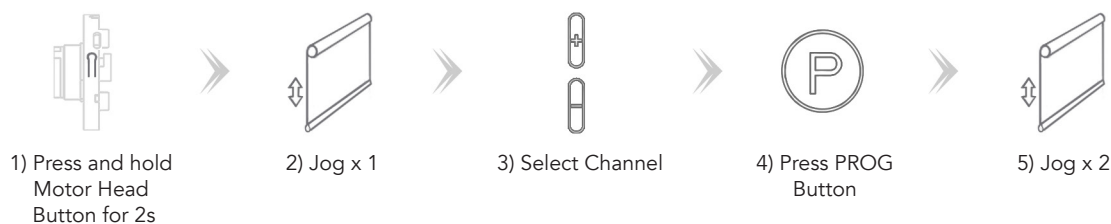


No changes should be made to the wiring unless by a trained professional. Making changes to the wiring will invalidate your warranty.

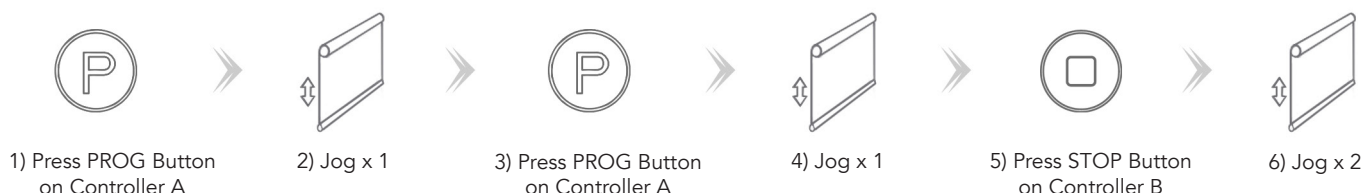
Adding Controller

NOTE: Pairing can not be done under group channel or 0 channel.

Pairing Controller : Power on the motor and then add the controller



Adding Additional Controller : Add controller B via pre-existing controller A

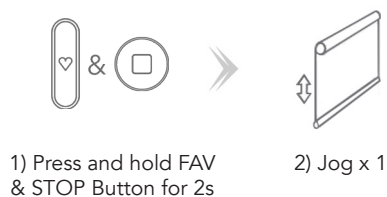


Direction Reverse

Checking current direction



Option 1 : Changing direction if the limits are not set



Option 2 : Changing direction if the limits are set



Upper and Lower Limit Setting

NOTE: Before limits are set, the motor will run in jog mode. For continuous operation hold down the UP or DOWN button for 2 seconds. Once limits are set, motor will continuously run between limits. Upper and lower limits are set at the same point.

Setting Upper Limit



Setting Lower Limit



Jog Mode / Continuous Mode

NOTE: Before limits are set the motor is in jog mode. When in jog mode hold UP or DOWN for continuous operation. Motor cannot be set to continuous mode before limits are set.

Same operation is used to move between both modes



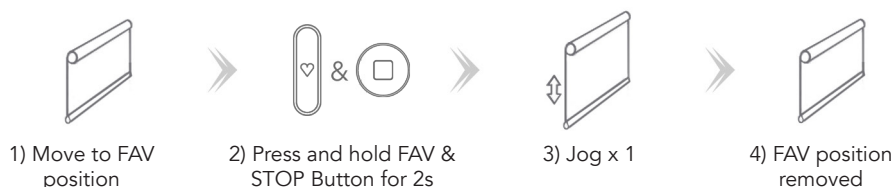
Setting and Cancelling Favourite Position

NOTE: One Favourite Position per blind.

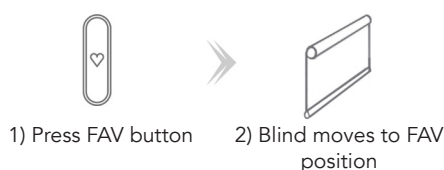
Setting Favourite Position



Cancelling Favourite Position



Hot Key for Favourite Position



Adjusting Upper and Lower Limits

NOTE: Move to the limit you wish to adjust before starting process. Process has a 4 minute time limit.

Adjusting Upper Limit



Adjusting Lower Limit



Remove All Limits

NOTE: Motor limits should be set immediately after installation to protect the blind from damage or misuse.

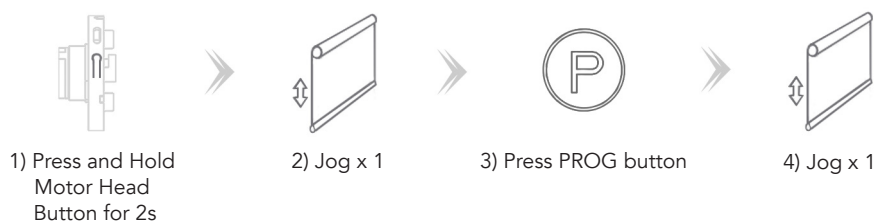
Removing all set limits



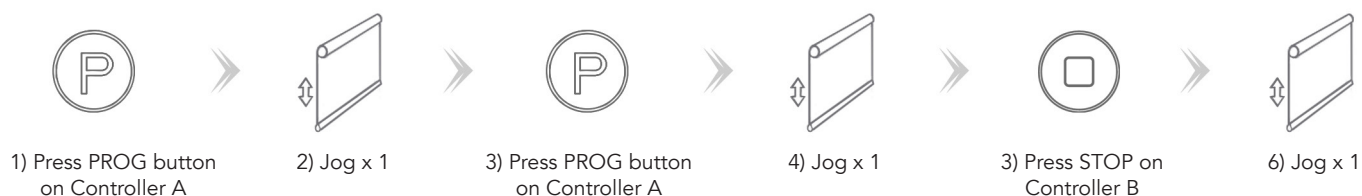
Remove Controllers

NOTE: Removing controllers does not remove set limits. To use a remote to remove a second remote, both must be paired to motor.

Remove a Single Controller



Remove Controller B via Controller A



Remove All Controllers



Soft Start/Stop NOTE: Soft Start/Stop is on as factory default.

Turn Soft Stop/Start On



Turn Soft Stop/Start Off



Charging Light On/Off

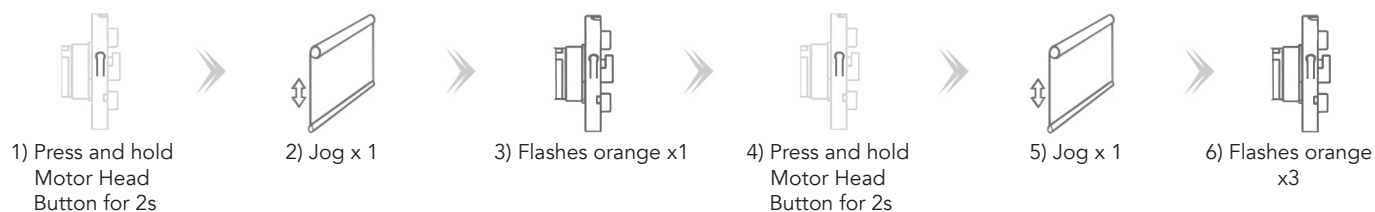
NOTE: When motor is plugged in for charging, a blue LED light will flash 6 times. During charging the blue light flashes 3 times every 8 seconds. When the motor is fully charged the blue LED light will stay on. This function turns the flashing charging light on or off.

Turn Charging Light On or Off

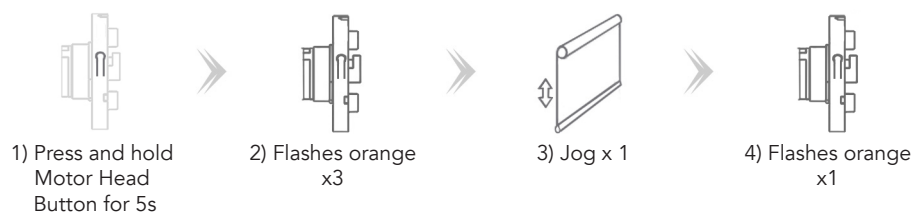


Sleep Mode NOTE: Motors can be placed in sleep mode to conserve energy.

Entering Sleep Mode



Exiting Sleep Mode



Function Lock

NOTE: When Function Lock is on all setting options are locked for that individual remote. Function lock must be turned off to make any changes to the settings. The LCD remote screen flashes 4 times to show it has changed in or out of locking mode. When operating the LCD remote in locked mode the screen flashes. The LED indicator of the LED remote will flash blue 5 times when moving in or out of locking mode.

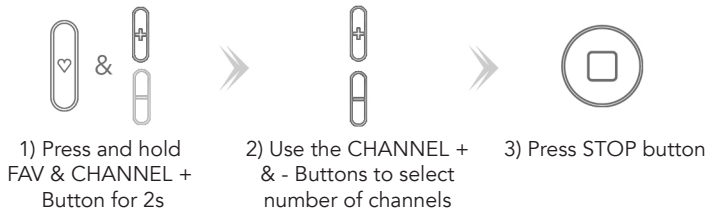
Turn Function Lock On/Off



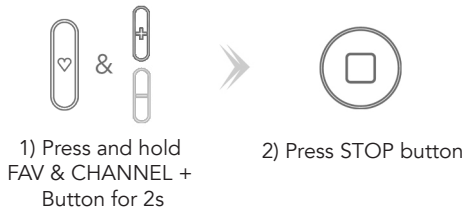
Channel Locking

NOTE: For use with the 6 and 16 channel controllers. This function limits the accessible channels on the controller.

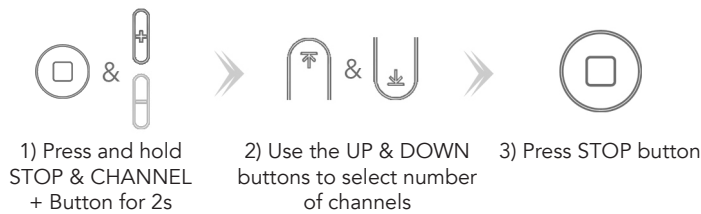
Channel Locking on 6 Channel Controller



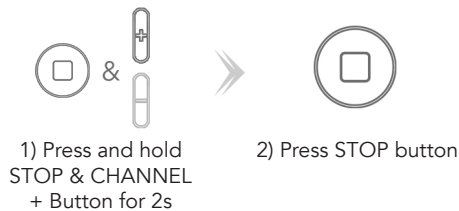
Channel Unlocking on 6 Channel Controller



Channel Locking on 16 Channel Controller



Channel Unlocking on 16 Channel Controller



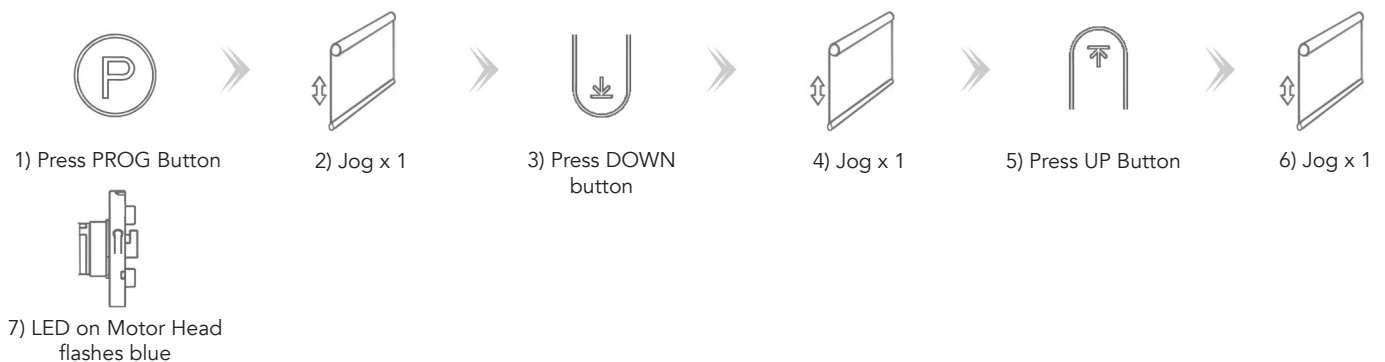
Bluetooth Connection

NOTE: Enables the user to operate the motor when out of range using the hub. User must have LLOneTouch app installed. These steps will put the motor in the correct mode to connect to the app. See separate APP instructions for full details.

Option 1: Entering Mode with Motor Head



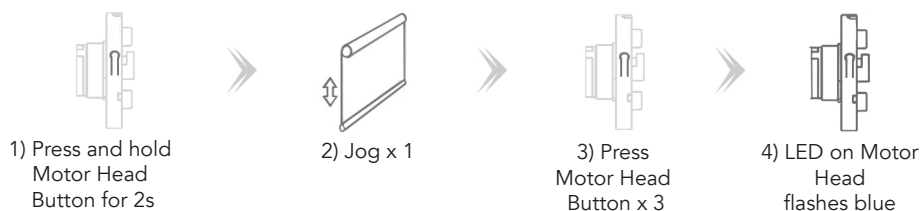
Option 2: Entering Mode with Remote



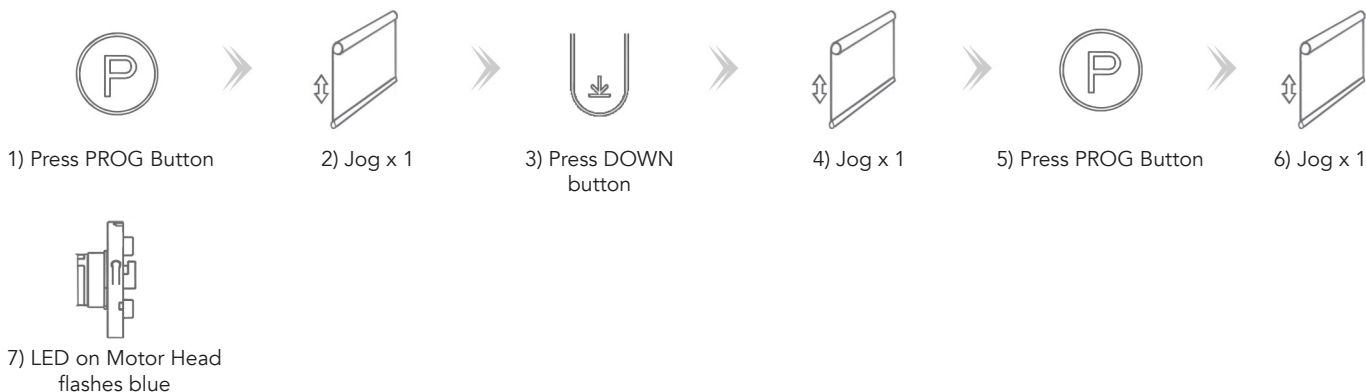
Smart Hub

NOTE: Enables the user to operate the motor when out of range using the hub. User must have LLOneTouch app installed. These steps will put the motor in the correct mode to connect to the app. See separate detailed app instructions for full connection and installation process.

Option 1: Entering Mode with Motor Head



Option 2: Entering Mode with Remote



Troubleshooting

FAULT	CAUSE	SOLUTION
Motor is not responding	- Controller not paired - Motor is powered off	- Add Controller - Hold Motor Head Button for 2 seconds to turn on motor
Motor stops suddenly	- Upper and lower Limits not set correctly - Blind exceeds maximum lifting weight	- Re-set Upper and Lower Limits - Check blind weight