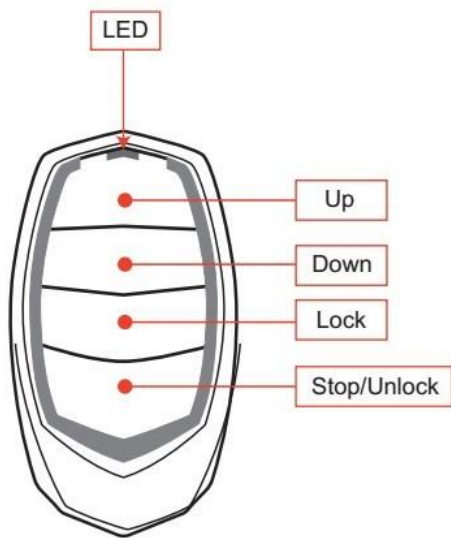


Obstruction detection tubular motor setup guide

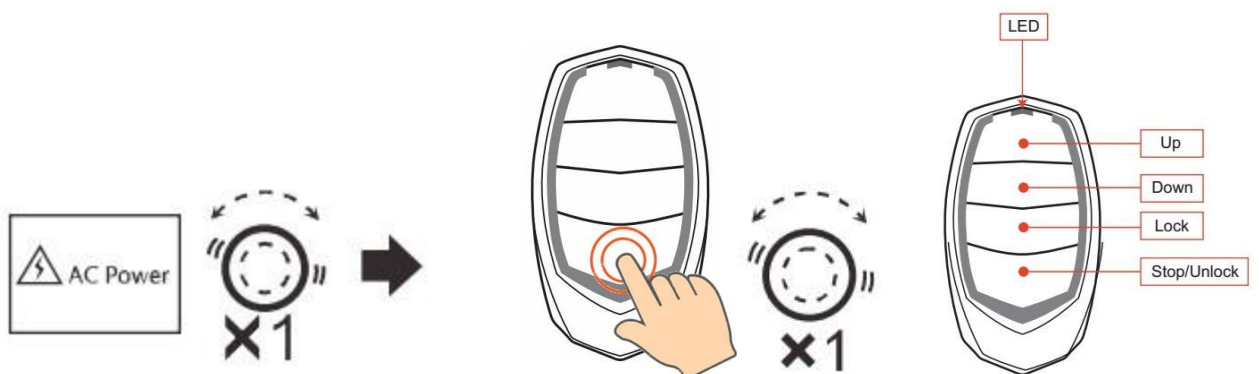
Connect the motor to the mains power.

Black Handset Button Configuration. When pressing any button on the black remote, make sure you press it firmly until you see the LED light up, before releasing (The button press should be pressed for about 0.5 to 1 second long to activate).



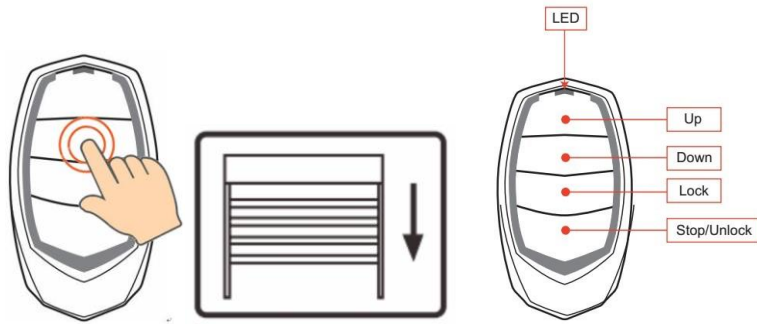
1) Pairing Handset.

Turn on the power supply and **within 5 seconds** of the motor powering up, press the stop/unlock button on the desired remote. The motor will vibrate/shunt when the remote pairing has been successful.



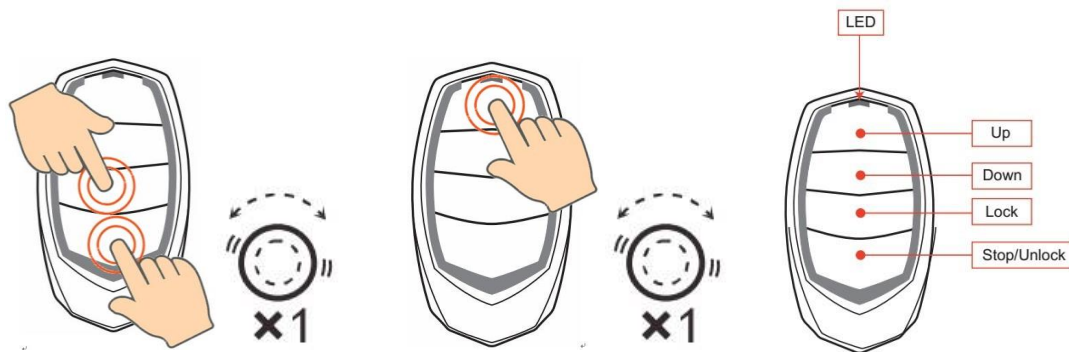
Repeat the above process for every additional remote control (up to 30 maximum).

2) Door Handing/Motor Directional Setting.



Press the down button on your paired remote control. If the door operates in the downward direction as in the above illustration, the motor direction is correct, no need to change motor direction.

If the door direction is wrong when pressing the down button and the motor drives up, then follow the illustration below.



1. Press LOCK and STOP/Unlock buttons simultaneously, the motor will vibrate.
2. Within 5 seconds, press the UP button, the motor will vibrate again, the motor direction should now have changed.

3) Setting Motor Limit.

Ensure your door is in the half open/closed position using your manual winding handle.

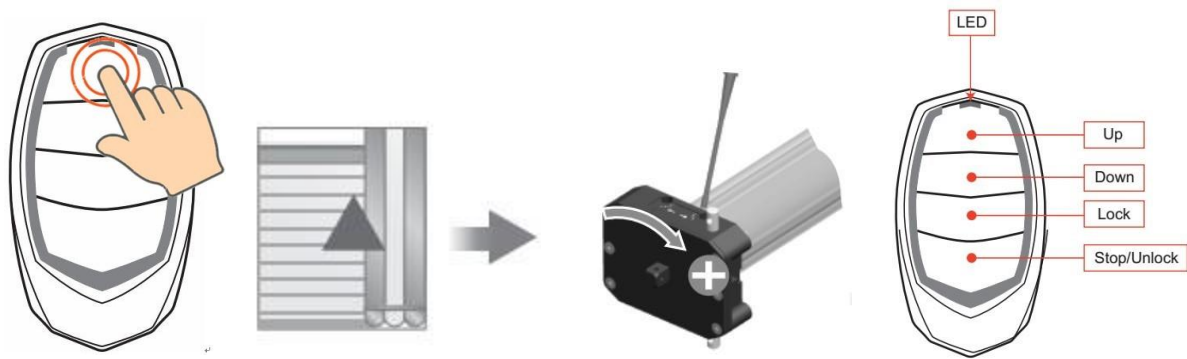
Rotate both limit adjustment screws with the provided adjustment tool/wand, approximately 20 times to the minus (-) rotation.



Motor pictured is left hand drive looking from inside looking out. The illustration shows example of motor adjustment screws.

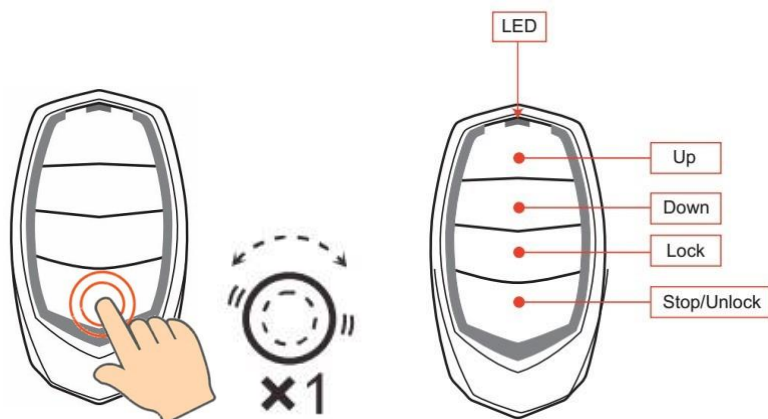
Note: The up and down arrows adjacent to the limit screws are directional to the rotation of barrel when the door is in operation.

4) Upward Limit Setting.



Press the UP button and wait until the door stops. Be careful not to allow the door to travel too far and come out of the guides (if the door has already reached its top limit, it may not move at all). Then rotate the up-limit screw to the '+' and when the door starts to move, keep turning until you get it to your desired drive-through height (usually leaving 1 full lath in the guide rail).

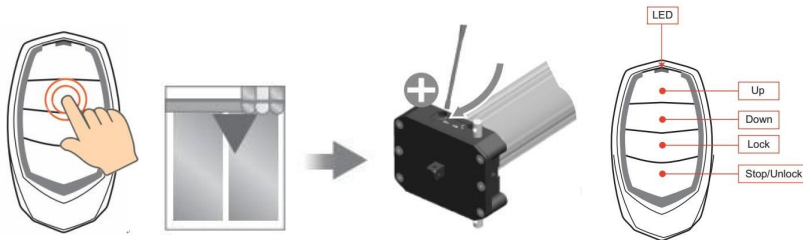
When the top limit is at its required position press the Stop/Unlock button to confirm.



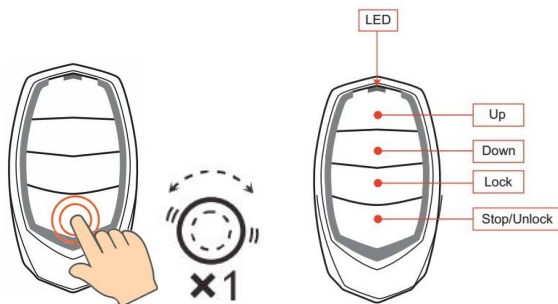
5) Downward Limit Setting.

Press the DOWN button (if the door has already reached its bottom limit, it may not move at all). If the door does move, allow the door to travel until it stops. Be careful not to allow the door to travel too far and cause potential damage to the top straps, by the door hitting the floor and continuing to travel.

Then rotate the downward-limit screw to the '+' and keep turning until the door is closed to the floor, the laths are all compressed together, and the top straps push the top lath against the front of the opening.

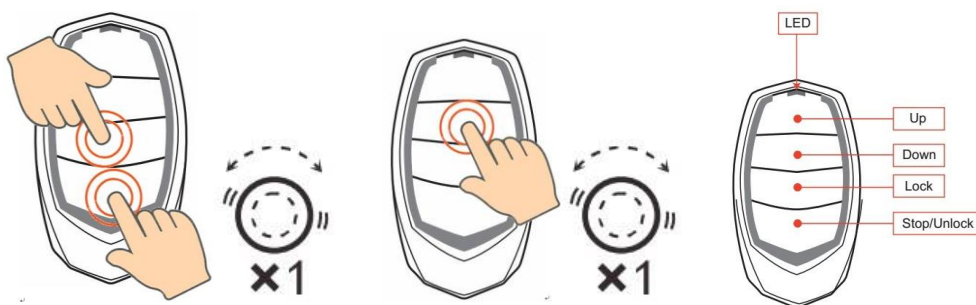


When the bottom limit is set, press the Stop/Unlock button to confirm.



Once both travel limits are confirmed, open the door to its top limit.

6) Turning ON the Auto-Reverse Obstacle Safety Function.



Press the LOCK and STOP/Unlock buttons simultaneously, the motor will vibrate, then within 5 seconds, press the DOWN button.

The door will now enter its learning cycle and will close to its bottom limit before opening again to its top limit. It will then vibrate to confirm the auto reverse function is now active.

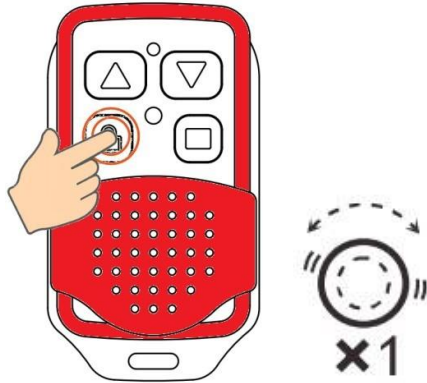
Test the door and auto reverse function by placing an obstruction within the opening. The door should stop and retract to its top limit. If you need to adjust the sensitivity of the obstacle detection, jump to the 'additional settings' page.

7) Lock and unlock all functions (using the RED Handset).

After all settings are finalised and the door is functioning as it should be, then the settings procedure needs to be locked to ensure correct operation.

The installer handset (**red**) is not paired to operate the door and is only used to change installation settings and to lock and unlock the setup functions of the motor.

Press the LOCK button, the motor should vibrate, indicating that the motor is locked.



Lock setting function

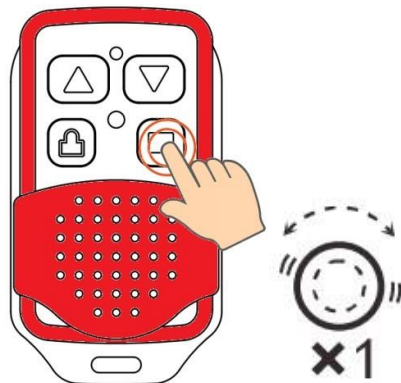
Unlock setting function

To check if the settings function has been locked, press the LOCK and STOP/Unlock buttons together on **Black handset**. If the motor doesn't vibrate, the motor is correctly locked.

(If the motor vibrates, this means the motor is not yet locked, and you need to press the LOCK button again on **RED** handset to lock it.)

If you need to unlock the motor to access the settings.

Pressing the STOP/Unlock button (motor will vibrate), indicates that the motor is now unlocked. Wait 5 seconds before trying to operate the door with the black handset.



ADDITIONAL SETTINGS:

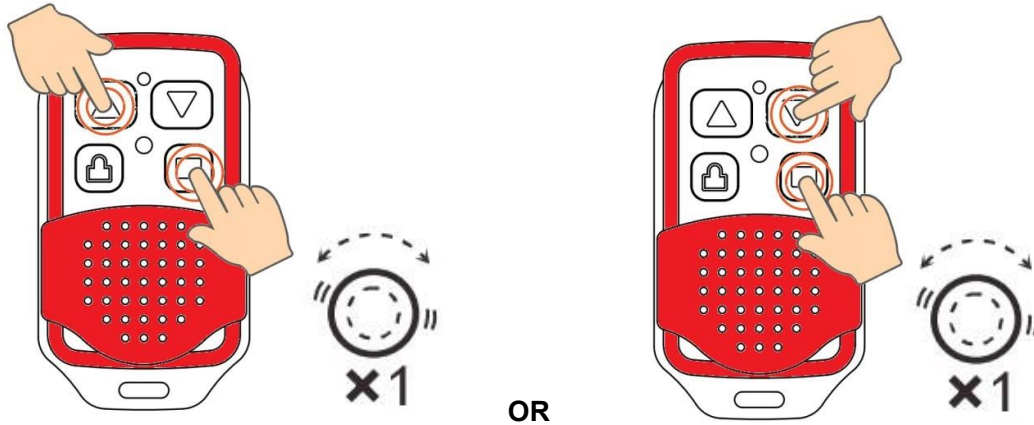
Obstacle Detection Sensitivity Adjustment.

To adjust the sensitivity of the obstacle detection, you will need to use the **RED HANDSET**.

The red Installer handset has a sensitivity adjustment function in case you need to reduce or increase the obstacle detection sensitivity. There are five sensitivity levels available. **Level 1** is maximum sensitivity, and **Level 5** is minimum sensitivity. **The default level is set at 2.**

Press the **STOP & UP** buttons together to **Decrease** the sensitivity.

Press the **STOP & DOWN** buttons together to **Increase** the sensitivity.



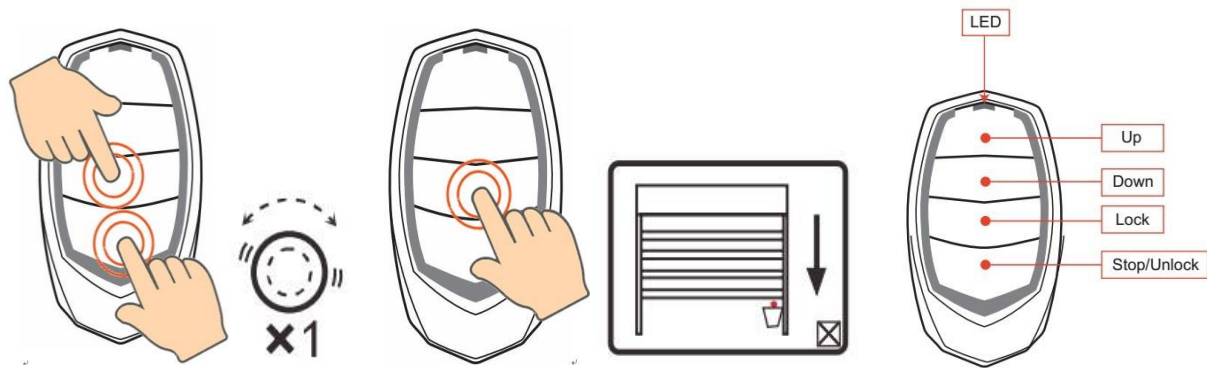
Each press of the buttons will increase or decrease the obstacle detection's sensitivity. The motor will vibrate each time a new sensitivity level is achieved until you reach the maximum or minimum sensitivity level, at which point the motor will no longer vibrate.

If you need to adjust the limits after the auto-reverse function is active, you must first turn off the auto-reverse function.

Turning OFF the Auto-Reverse Function.

If necessary, you can turn off the motor obstacle function.

Press the LOCK and STOP buttons simultaneously, the motor will vibrate. Within 5 seconds, press the LOCK button, the motor will vibrate again, which means the auto reverse function will be turned off.



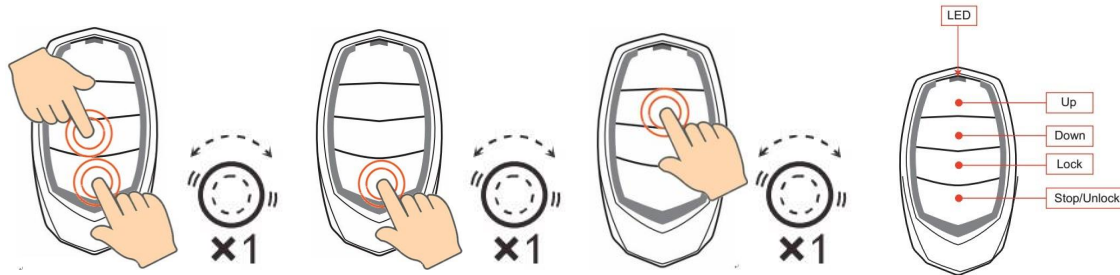
To reset the limits, please follow steps 3, 4 & 5.

To turn the auto-reverse back on, follow the instructions provided in step 6.

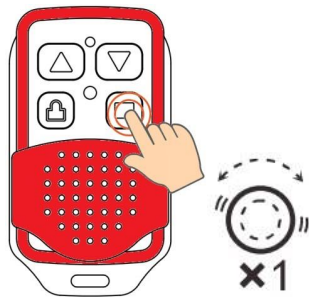
Resetting Limit Settings and Auto-Reverse Function.

This procedure will clear all paired handsets and settings.

- Press the LOCK and STOP/Unlock buttons simultaneously and the motor will vibrate.
- Within 5 seconds, press STOP/Unlock button and the motor will vibrate again.
- Within 5 seconds, press DOWN button, the motor will vibrate.



After this reset, the motor will be in lock status and will require a press of the stop/unlock button on the RED installer remote control handset.

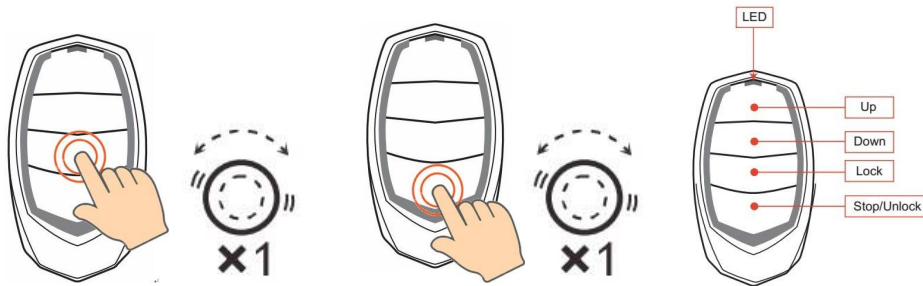


Lock or unlock your Black handset.

You may want to lock your handset if you are carrying it around in your pocket to avoid accidental operation.

If you press the LOCK button, it will disable the UP and DOWN button functionality.

To unlock and reinstate the Up and Down functionality on your handset you simply press the STOP/Unlock button to unlock.



Trouble shooting

The motor does not work	Check that the power supply is switched on.
	Check handset is paired to the motor.
	The motor may have gone into thermal cut out mode due to overheating. This can happen during installation if the door has been opened and closed too many times within a short period of time. Wait for a couple of hours for the motor to cool down before trying again.
No obstacle detection function	Let the door touch the down or up limit, if still no obstacle detection, check step 6 in the instructions. If you disconnect the power or the overheat cutout mode is activated, the obstacle detection will not operate until the door has first reached its top of bottom limit without hitting an obstacle.
Handset does not work	Check the handset is paired with motor (see step 1)
	Check the handset is not in locked mode.
	Battery may be low and needs replacing
The settings may fail due to interference with the signal	The settings may fail due to interference with the signal

If the Black handset can not access the settings, please unlock the settings using the red handset.

Technical Specifications

Power: AC230V/50HZ, the motor can be paired with 30 Handsets

Two handsets include 2x 27A 12V batteries.

Protection Class: IP44