

LW550 AC Slide Motor



WARNING

**THIS PRODUCT MUST BE INSTALLED BY A
QUALIFIED ELECTRICIAN**

**There are 2 types of LW550
limit setups**

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**Magnetic and Spring
Following the instructions that suit
your current LW550 motor**

LW550 Control Board - Magnetic limit setup

Remove old control board and re attach new board.

Connect the 2 clear connectors (each with 3 coloured cables) to the main control board as required.

Follow the image below showing where the coloured cables connect to the orange connector block.

Setting the travel direction

After connecting all the wires as stated above you will now be required to set the travel direction.

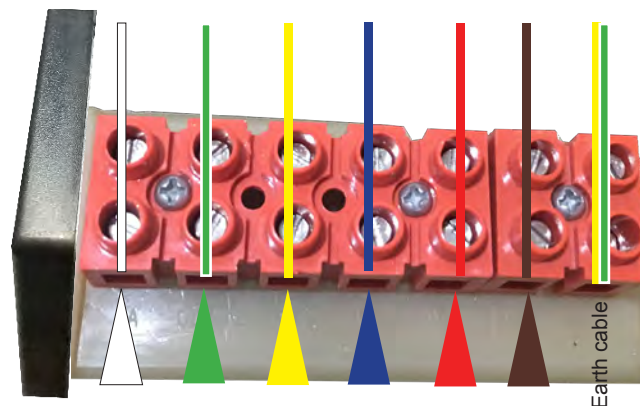
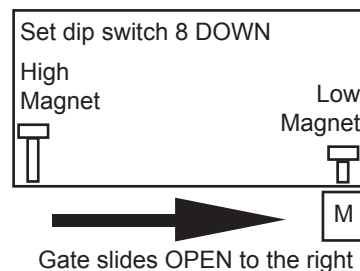
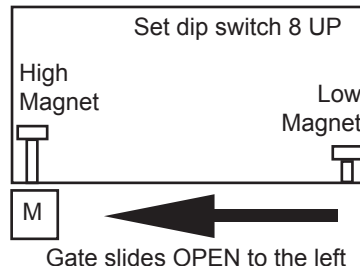
For this step, you should have the gate in the full closed position, standing on the inside of your property at the motor (looking out to the road).

Find the dip switches on the main control board (top left corner, 1-8) now set as required below:

If your gate slides OPEN to the right = Set dip switch 8 DOWN

If your gate slides OPEN to the left = Set dip switch 8 UP

Now your travel direction has been set



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LW550 Control Board - Limit Spring setup

Remove old control board and re attach new board.

Connect the 2 clear connectors (each with 3 coloured cables) to the main control board as required.

Follow the image below showing where the coloured cables connect to the orange connector block.

Setting the travel direction

After connecting all the wires as stated above you will now be required to set the travel direction.

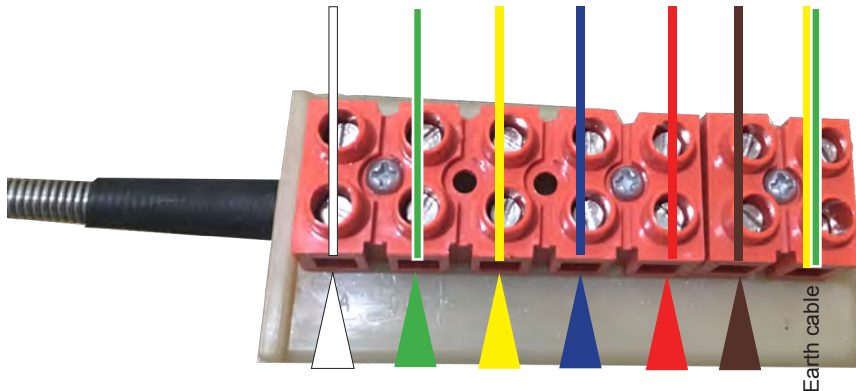
For this step, you should have the gate in the full closed position, standing on the inside of your property at the motor (looking out to the road).

Find the dip switches on the main control board (top left corner, 1-8) now set as required below

If your gate slides OPEN to the right = Set dip switch 8 DOWN

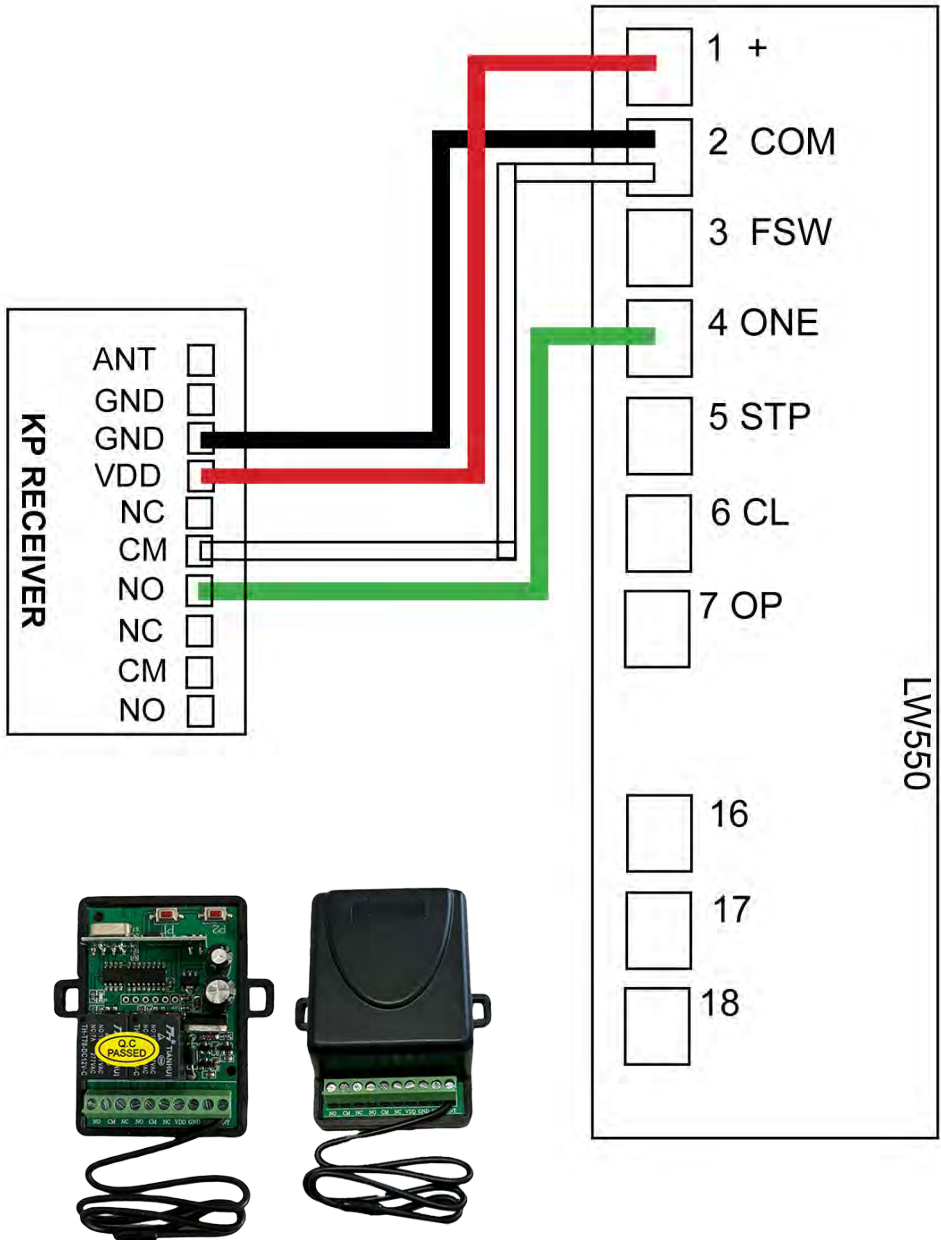
If your gate slides OPEN to the left = Set dip switch 8 UP

Now your travel direction has been set



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Wiring up the KP Receiver



Tuning a remote to the KP Receiver

1. Press P1 on the receiver board (red LED will go solid)
2. Press and hold the remote button for 3 seconds (red LED will flash to say remote and receiver are paired)

Deleting remotes from the KP Receiver

1. Press P2 on the receiver board for 8 seconds (red LED will go solid). Please note this will remove all remotes from the KP receiver.



Servicing Your Gate and Motor

Your gate and gate motor are both very important pieces of equipment. This equipment is like a vehicle, which requires preventative maintenance especially on the coast where corrosion is a big factor.

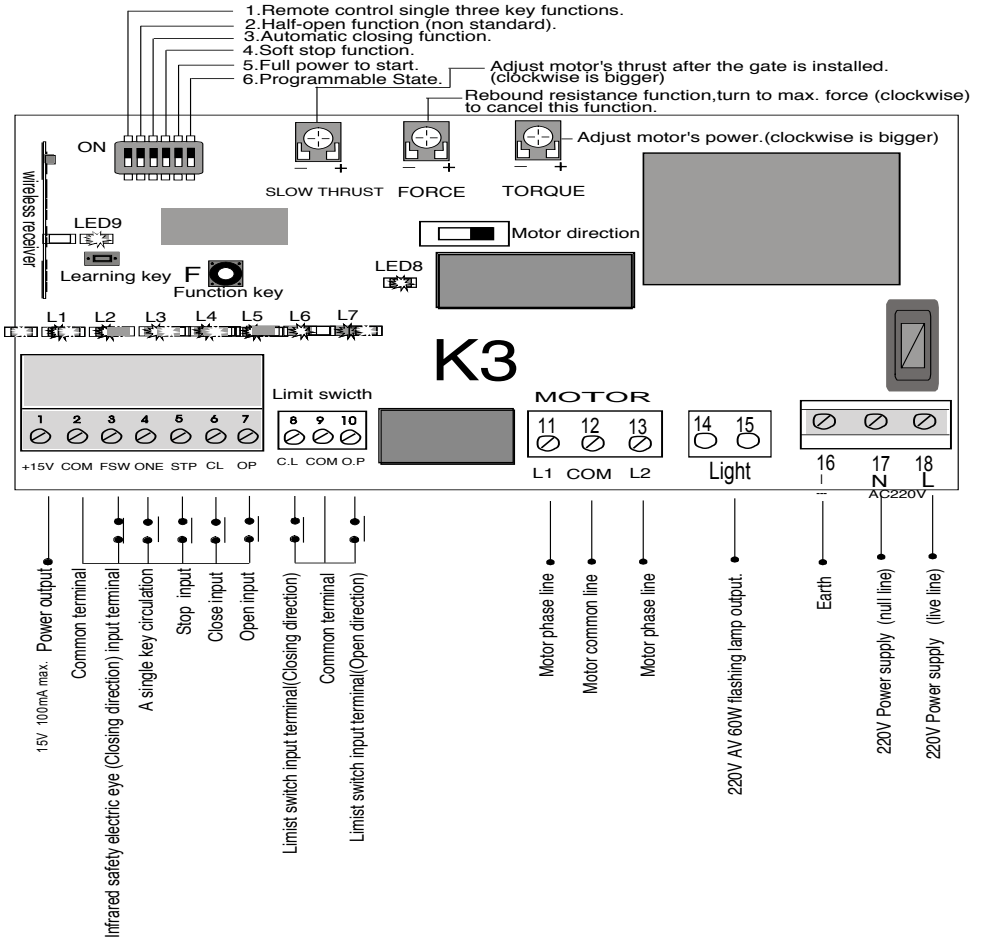
The following **MUST** be done at regular intervals: (3-4 months)

1. Check for insects, snakes and geckos in and around the PC Board.
2. The gate must be lifted and the wheels that run on the rail must be checked to see that they spin freely and that the bearings haven't collapsed, this is very important to ensure the life span of your gate motor.
3. The gate guide wheels must be checked to see that they spin freely and ensure that they are not worn and the lock nuts are tight.
4. Over time the gate wheels tend to bed themselves in, as a result the gate's gear rack now rides directly on the motor's main drive pinion gear. There should ordinarily be a 2 mm gap between the gear rack and the pinion gear. Another indication of this "binding" situation is when the motor vibrates excessively while the gate is running. This fault causes unnecessary wear and tear and will reduce the life of the operator and it must be rectified without delay. The rack can also become too loose and the gap becomes too big, which causes the pinion gear to skip the teeth on the gear rack causing a malfunction.
5. If safety beams are fitted, check for any insects and ensure that there are no loose or broken wires inside the beams.
6. Remove any plants, trees or branches that may cause an obstruction to the wheels and a blockage to the beams.
7. Check that the operator's foundation plate bolts are still secure.
8. Check that the ends stops are still secure.

Warranty

1. 12 months warranty from date of purchase, warranty does not cover incorrect installation or damage by fusion and other insects.
2. Warranty replacement and repairs are back to base.
3. You can view our full terms of conditions at www.bmgi.com.au
4. Must be installed with a surge protector to protect the main control board from power surges. Warranty will be voided as power surges are not covered under warranty.

Wiring diagram



IMPORTANT

240 Volt power supply must be safely secured inside the motor housing to prevent the power supply from being disconnected from the main board. If not secured correctly this may cause the LW550 to become an electrical hazard.