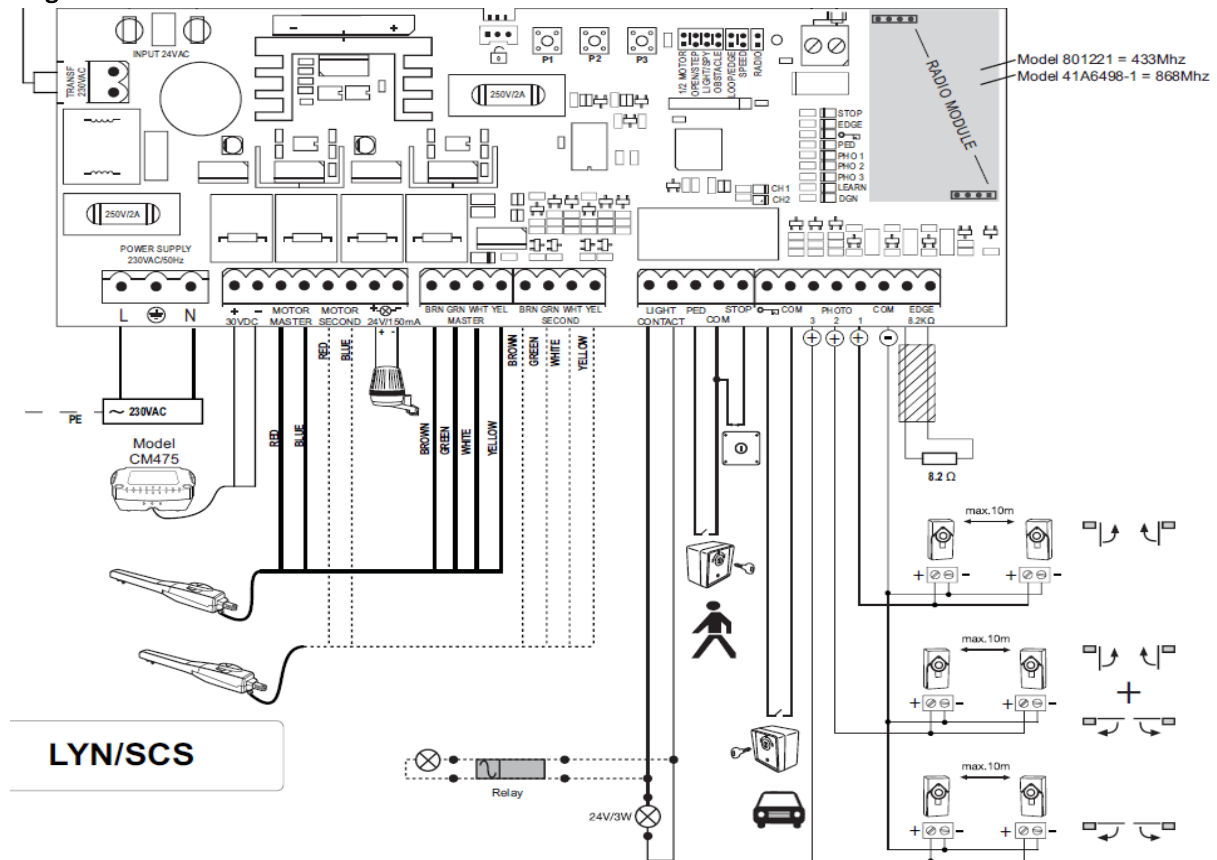


## Liftmaster CB124 Simplified Set Up

Step 1 – Ensure all the connections for the motors and safety Photocells are correctly wired as per the diagram below.



Step 2 – Check the Jumper Settings are correct.



1. All jumper settings should not be bridged apart from 1/2Motor, which depends on if you are using one or two motors. One Motor – bridged & Two Motors – not bridged.

Step 3 –Testing the polarity of the motors to ensure they are operating in the correct direction.

1. Press and hold P1, P2 & P3 simultaneously for 2-3 seconds until the Learn LED begins to flash yellow and release.
2. Press P1 until motor 1 begins to move in the opening direction. If motor 1 closes first the polarity needs to be changed by swapping the red & blue cable of motor 1.
3. Press P2 until motor 2 begins to move in the opening direction. If motor 2 closes first the polarity needs to be changed by swapping the red & blue cable of motor 2.
4. Once motors are operating in the correct direction, move the gates to the close position manually.

**Step 4 – Programming the motors travel distances and safety circuits. Please note once the travel is complete the safety circuits already wired in will be detected.**

1. Press P1 until motor 1 begins to open and release.  
Motor 1 will reach the open position and stop.  
Motor 2 will then start to open and stop in the open position.  
Motor 2 will then move to the close position and stop.  
Motor 1 will then move to the close position and stop.  
Wait for the Learn LED to turn off.  
Programming complete.

**Step 5 – Programming Radio Transmitters.**

1. Bridge the Radio jumper.
2. Press the P1 button once and release.
3. Press and hold the desired button on the remote until you see the CH1 button flash 5 times and release.
4. Take the jumper Radio to turn off programming radio mode.
5. Programming complete.

**Step 6 – Setting automatic closure (If required). This is only possible if photocells are connected into Com & Photo 1.**

1. Press & hold P2 until the yellow LED starts flashing.
2. Now count how long you want the gates to automatically close after.
3. Press P2 again.
4. Programming complete.

**Please note.**

**If the DGN LED is still flashing after this basic setup, this will refer to an error within your installation. See the table of diagnostics on the page below. Correct the issue and restart the programming sequence from the beginning.**

## INDICATION OF THE DIAGNOSIS LED

The LED diagnostics show the first upcoming issue. If several issues are existing the LED diagnostics may not show them.

Indication	Description	Remedy
1x blinking	Motor 1 has insufficient connection to control board Control board does not see motor sensor. Travel distance programming was not successful	Cables not wired or badly connected. Check terminals precisely. Consider wire lengths The gate must be closed completely before programming the travel distance
2x blinking	Motor 2 has insufficient connection to control board	Refer to 1x blinking
3x blinking	Limits for motor 2 have not been accepted A: After or during programming travel: Wing 1 did not open wide enough and did not meet the integrated passpoint which is located inside the operator half-way above the spindle. B: Motorcables have insufficient connection to control board Yellow or white cable not wired or badly connected	A: Open gate wide enough when programming the travel (50% over maximum) B: Check terminals precisely. Consider wire lengths C: See 1x blinking (wiring)
4x blinking	Limits for motor 1 have not been accepted	Refer to 3x blinking
5x blinking	Travel has not been programmed The process of programming has been interrupted	The gate must be closed completely before programming the travel distance.
6x blinking	Force to operate the gate is too high A: Gate is out of order B: Gate is rough-running C: Gate stopped through windload D: Wrong mechanical installation	Refer to 5x blinking also A: Repair gate B: Check if gate can be easily moved C: Do not operate gate in very windy conditions D: Reprogram to achieve sufficient level of force
7x blinking	Photocells 1 block installation + LED PHO1 =OFF A: Object blocks photocells B: Alignment of the sensors is incorrect C: Power supply to photocells is insufficient	A: Remove object B: Check alignment C: Check cable widths and contacts
8x blinking	Photocells 2 block installation	Refer to 7x blinking
9x blinking	Photocells 3 block installation	Refer to 7x blinking
10x blinking	Emergency stop switch blocks installation	A: Check wiring B: Check basic setting of control board (DIPs)
11x blinking	Safety edge blocks installation A: Object obstructs safety edge B: Defective safety edge C: Power too low or broken wire in supply	A: Remove object B: Check wiring. Check resistor 8,2KOhms C: Check basic setting of control board (DIPs)
12x blinking	Power supply to control board is too low A: Defective supply 230V or malfunctioning contact B: Broken wire in supply cable (copper cable) C: The battery (accessory) to operate the gate whilst power failure is dead.	A: Check electric contact B: Check by electrician C: Allow battery to charge 24 hours
13x blinking	EEPROM Fault Power up failed	Replace control board
14x blinking	Only LYN/SCS Release lever OPEN	Close (re-connect) release lever
15x blinking	Defect on relay or major electrical component A: Overload B: Bad wiring (wrong) C: water in photocells (bad installation) D: a photocell was connected before but not removed (disconnected)	Replace logic board  Check wiring Reprogram the travel distance from gate fully closed