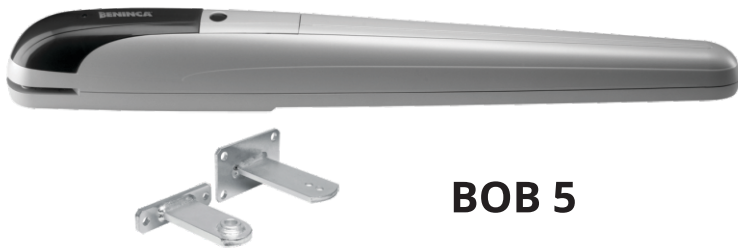


Quick Start Programming Guide

BOB 5 & TOM 5 Operators with Brainy24 Plus Control Board



TOM 5



BOB 5



BRAINY24 PLUS

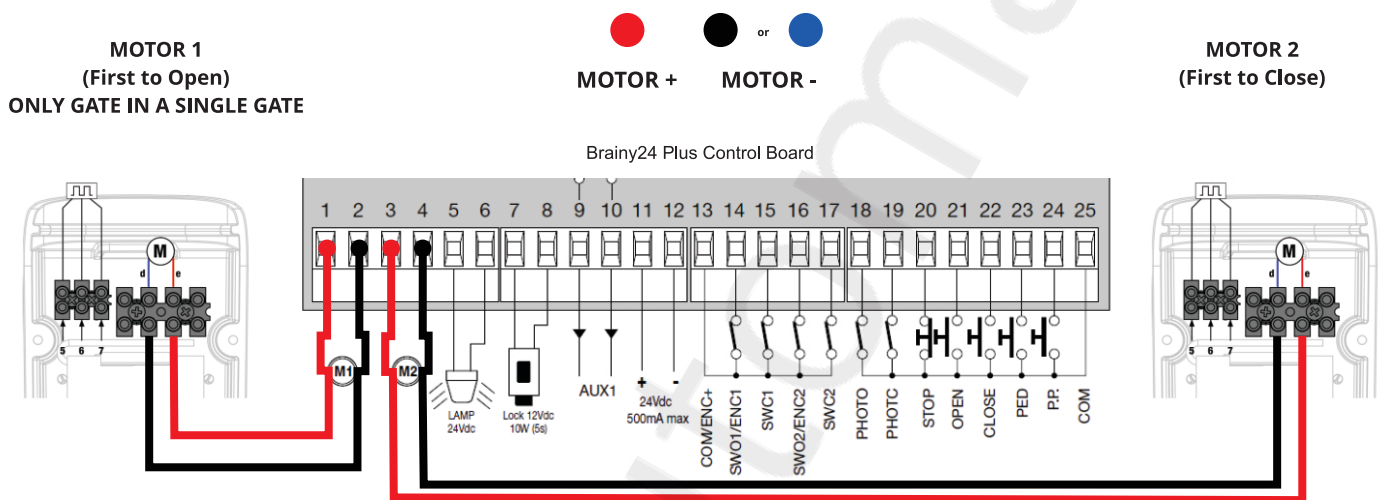
NOTE: This is a quick set up guide only and we highly recommend reading the full instruction manual.

WIRING DIAGRAM (USING 2 WIRES)

This configuration will purely rely on the mechanical stops built-in into the operator. A gate stop in the closed position is always recommended.

The wires for the motor should be at least 1.5mm².

Motor 1 is the first motor to open (or single gate), whereas Motor 2 is the first to close.



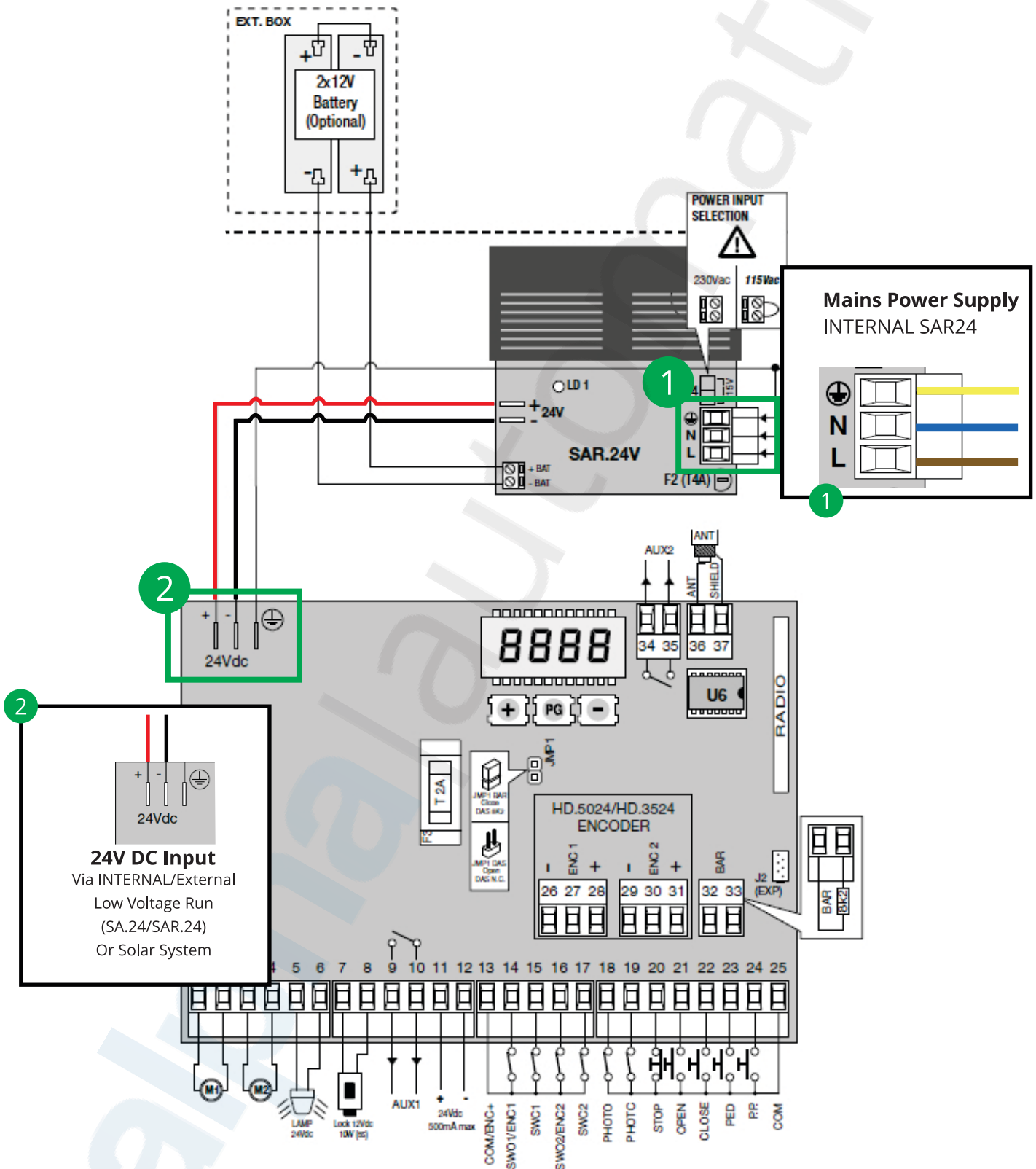
POWER METHODS

Shown are 2 ways to power the Brainy24Plus Control Board

Figure 1. Mains Power Supply using the L,N & Ground Inputs

Figure 2. 24V DC Power input using the + & - INPUTS

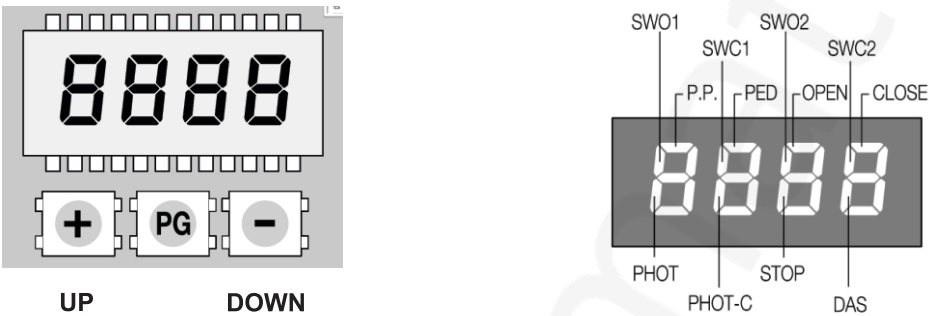
Please refer to the labeled diagrams for Power Methods.



DIAGNOSTIC

On the Brainy24 Plus control board, all the commands, errors and status are displayed through segments on the LCD display.

The vertical segments are usually N.C. commands whereas the horizontal segments are N.O. commands.



FIRST STEPS OF PROGRAMMING

Once the operators have been wired up on the Brainy24 Plus control board we can proceed with the programming. A few settings need to be checked and changed first.

(Automatic Closing Time)

From the factory, the TCA is switched 'ON', which means the gate is going to automatically close after a certain time. *This can be turned on later.*

Below the steps to switch this feature 'OFF'.

- Press the PG button on the control board once, and the display reads PA
- Scroll down to LOG and press PG.
- The display should read tA - press PG and you should read ON
- Press the '-' or '+' button to switch the setting OFF and press PG to confirm.
- Exit from the programming by pressing the '-' and '+' button simultaneously 2/3 times.

LOGIC (LOG)		
MENU	FUNCTION	ON-OFF- (Default)
tA	Enables and disables automatic closure. On: automatic closure enabled. Off = automatic closure disabled	(ON)

AUTOMATIC LEARN

(Automatic LEARN)

The next step is to set the gate into the **HALFWAY POSITION** and run the non-limit switch programming command. This function is very important as it determines the speed of the motors, the slowdown position and the leaf delays.

- Press the **PG** button on the control board once, and the display reads **PAR**
- Scroll down to **AUTO** and press **PG**
- Select **NLSU** and press **PG**.
- The control board should display **OPEN** and Motor 1 should start opening. **If the movement of the motors is the opposite of what the display reads, reverse the wiring configurations on the Control Board.**
- Once the Autoset is completed, you should read **OK** on the display and you can exit from the programming by pressing the '-' and '+' button simultaneously 2/3 times.

CONFIGURATION

From the factory, the torques are set to 30% but depending on the structure of the gate, the location (e.g. wind) and cycles, you would need to increase these values. We Recommend you set these values to **90%**

Below the steps to increase the value.

- Press the **PG** button on the control board once, and the display read **PAR**
- Press **PG** to enter and scroll down until you read **PS01** and press **PG**
- Press the '-' or '+' button to change the value to **90%** and press **PG** to confirm.
- Repeat the above steps to increase the other values to **90%** **PS01, PS02 & PS02**
- Exit from the programming by pressing the '-' and '+' button simultaneously 2/3 times.

REMOTE CONTROL PROGRAMMING

How to connect Remotes

- Press the **PG** button on the control board once, and the display reads **PAR**
- Scroll down twice to **RAD** and press **PG**
- The display should read **PP**, press **PG**
- Take the remote control and press the button that you would like to program in. The display should read **OK**
- Exit from the programming by pressing the '-' and '+' button simultaneously 2/3 times.

RADIO (RAD)	
MENU	Function
PP	Selecting this function, the receiver sets in standby (Push) of a transmitter code to assign to the step-step function. Press the transmitter key you intend to assign to this function. If the code is valid, it is saved and the message OK is displayed

24V FORTRESS ELECTRIC LOCK

If you have an Electric, Ensure they are wired into the correct ports as shown in the image.

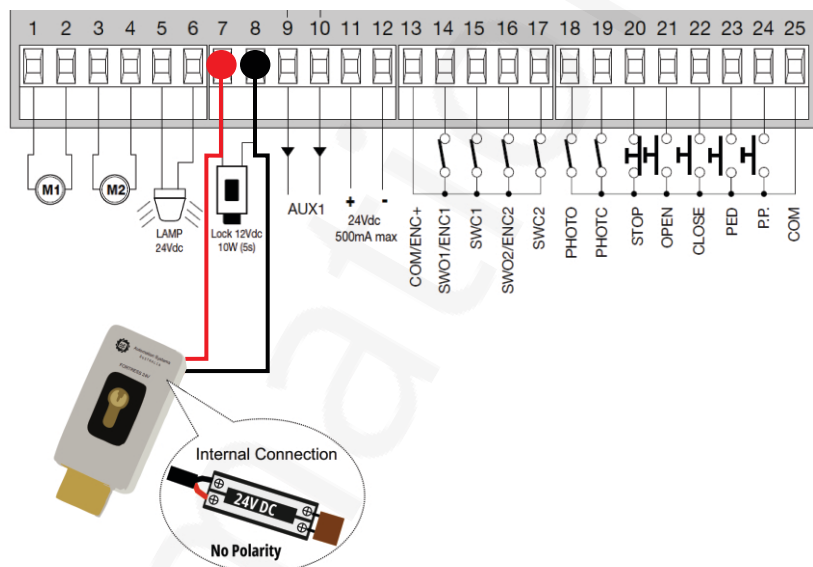
You will then need to enable the electric lock in the control board and set the lock time.

To Enable the 24V Electric Lock:

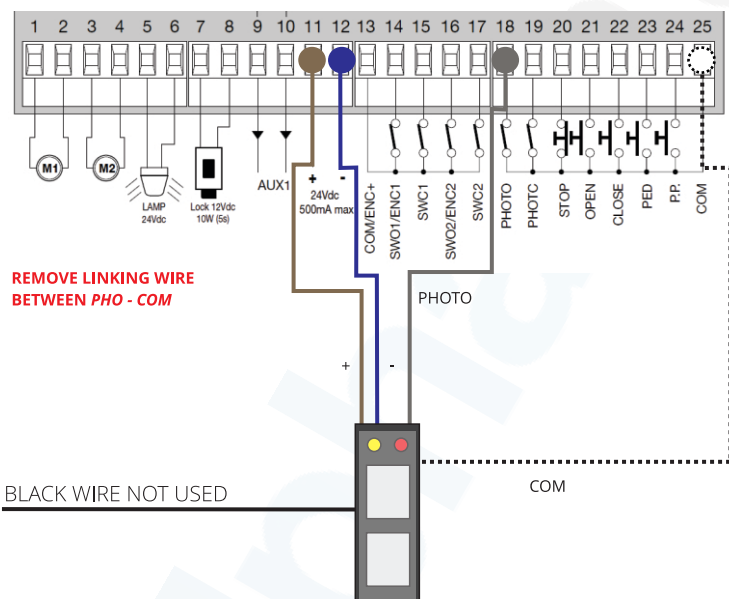
- Press the **PG** button on the control board once, the display show **PAR**
- Scroll down to **uLoc** and press **PG**
- Change the value to 1 and press **PG**

To Change the Lock Time:

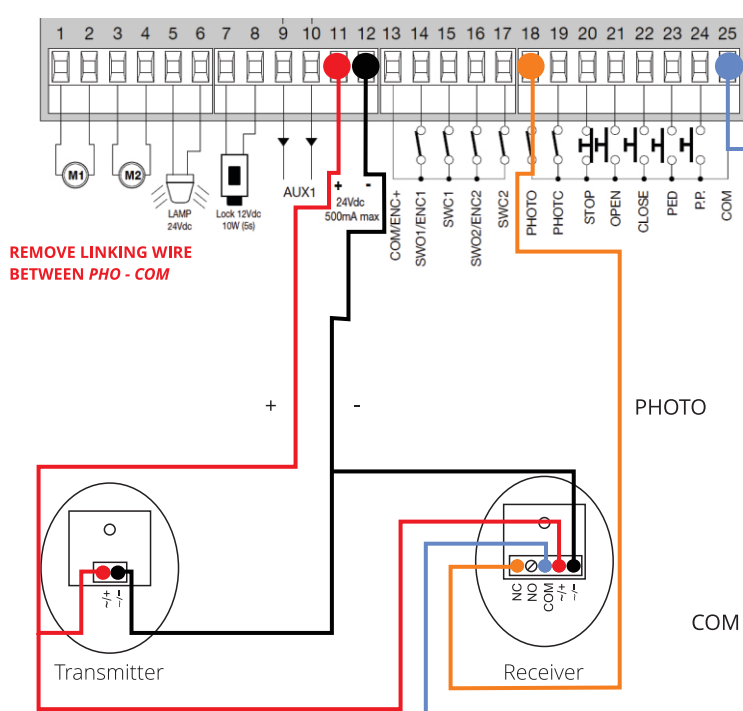
- Press the **PG** button on the control board once, the display show **PAR**
- Scroll down to **tLoc** and press **PG**
- Change the value to 30 and press **PG**



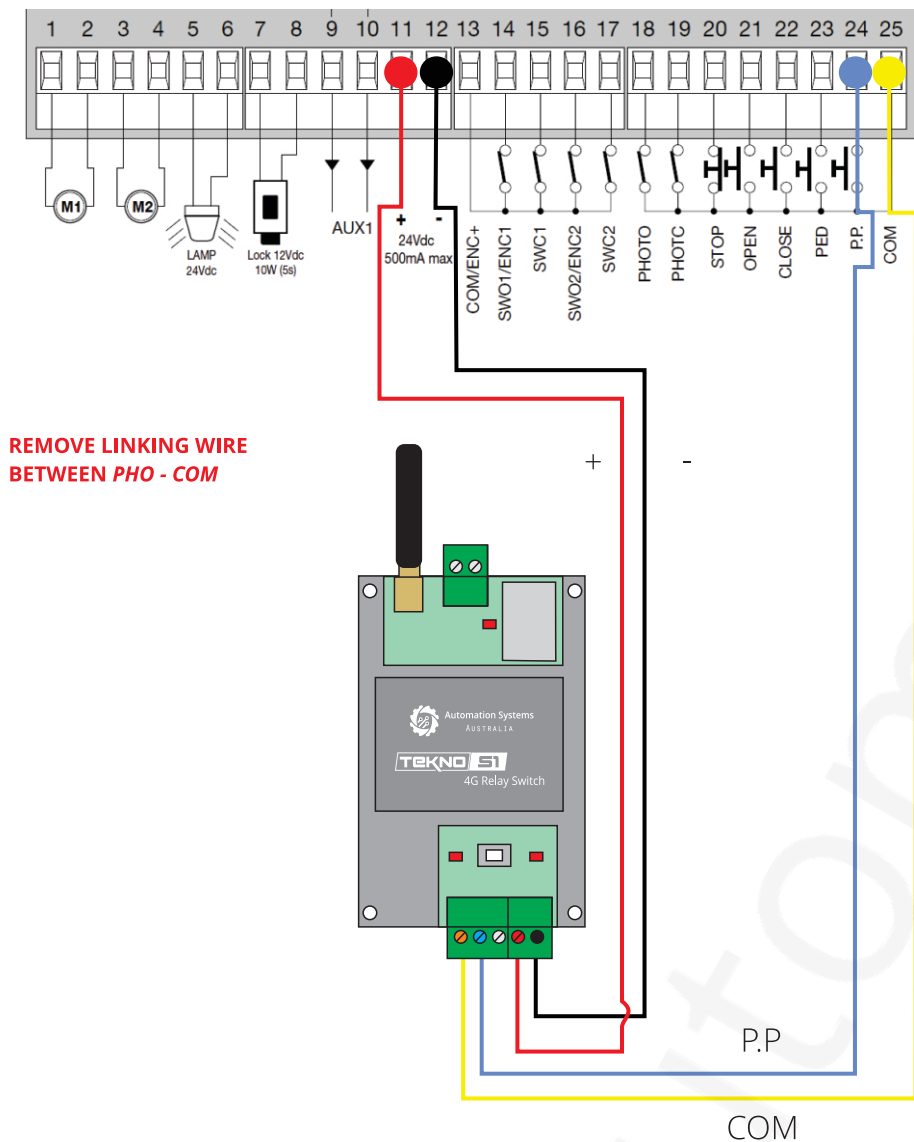
Dukie XR - Brainy24 Plus



Dukie X - Brainy24 Plus



Tekno S1 - Brainy24 Plus



Tekno WF - Brainy24 Plus

