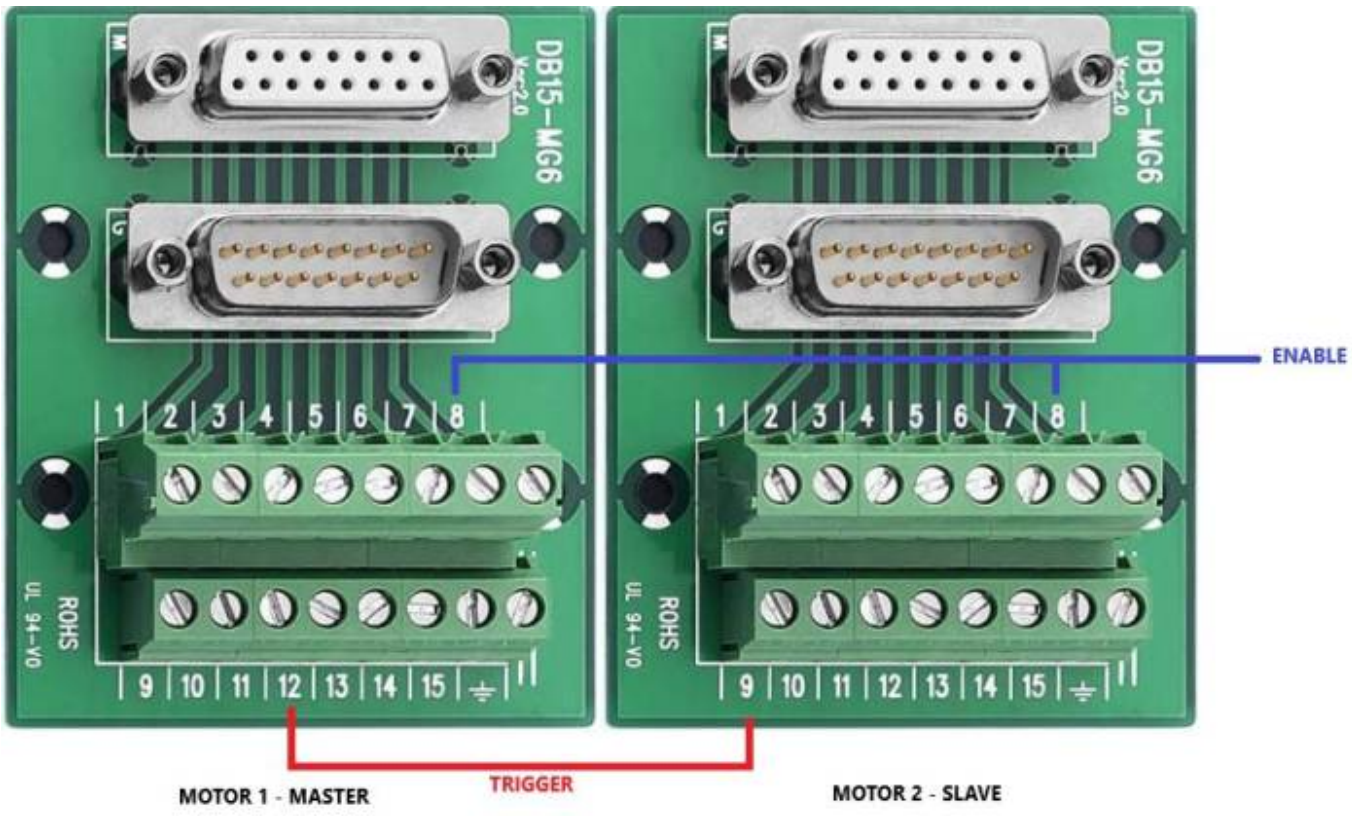
Master and slave mode

when two or more axis must be syhncronized without PLC that send a trigger signal on digital input 1, one NLi motor can be used as a master to synchronized the others.

Connection between the two motors

Pin 12 (Digital output 2) of the master motor must be connected to Pin 9 (Digital Input 1) of slave motor
Pin 8 (Digital input 0) must be set to 24VDC to start the motion.

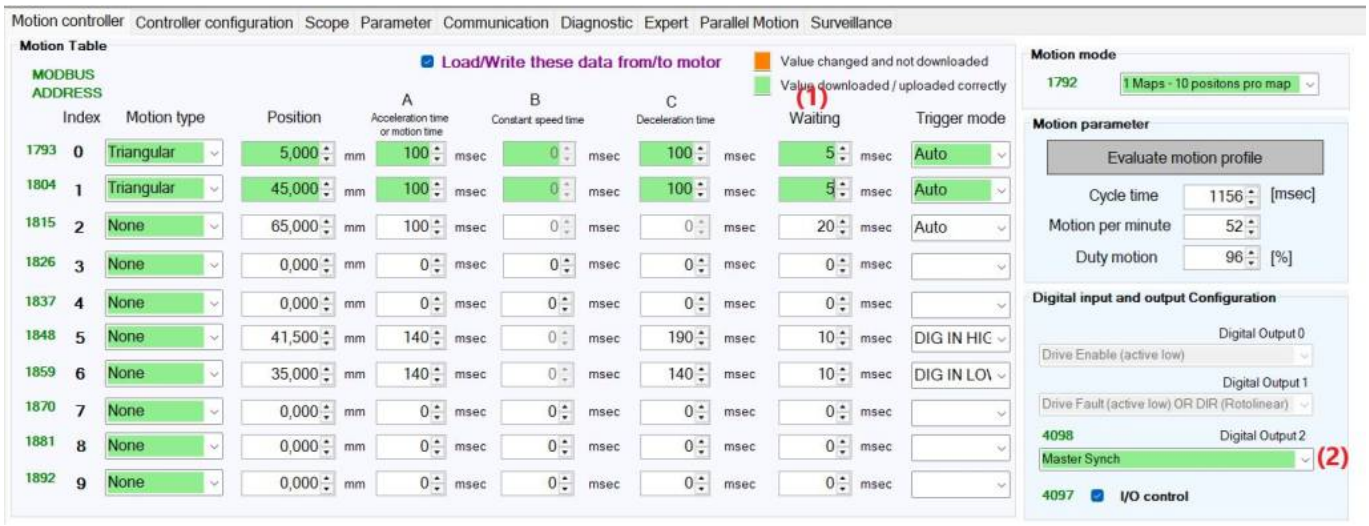


Example of configuration of the two axis

The waiting time of the master and slave must be set to a waiting time of 5 msec (1). On the master motor, the paramter 4098 Digital Ouput2 must be select to Master synch (2).

As regards the homing speed, please specify low speed (for example 10mm/sec) in the master motor and medium speed (for example 50mm/sec) in the slave motor.
This to guarantee that the automatic homing of the slave is completed before the master motor starts the motion.

Master configuration



Slave configuration

Trigger mode of the index 0 (first row) must be set to DIG IN falling edge (1) with a waiting time of 3msec and the parameter 4098 Digital output2 must be seto to In position (2)