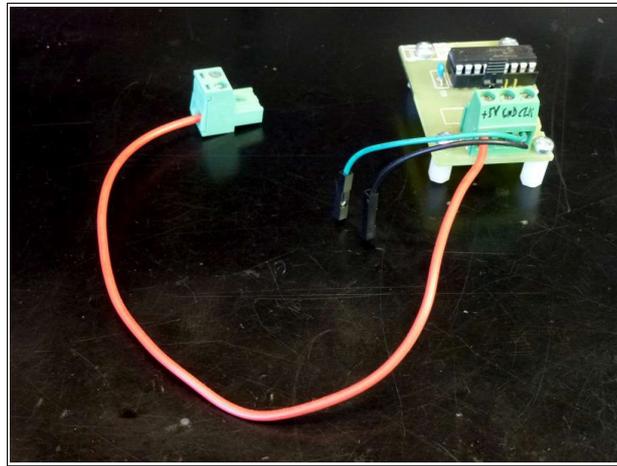


Time board 1.0 for Cobra



Time board 1.0

User's manual Revision: 1.1

Hexagonal Spacers

The timer board is featured with hexagonal nylon spacer. Please only use nylon (insulated) spacers and never use metal spacers. You don't want to short-circuit any trace on the board.

Frequency setting jumpers

Timer board has a single jumper to set output frequency

It may be set:

- in position marked "2" to output square waves at 2kHz frequency (period = 500 μ s)
- in position marked "4" to output square waves at 4kHz frequency (period = 250 μ s) ← recommended
- in central position to disable output (and pin 10 reverts back to general I/O functioning)

Wiring

Connections are on a three ways screw terminal. You typically get board with already connected wires:

Le connessioni sono su morsetto a vite a tre posizioni, viene tipicamente fornita con fili già collegati:

Red wire: power supply, +5V

Black wire: power supply, 0V and GND signal reference ground

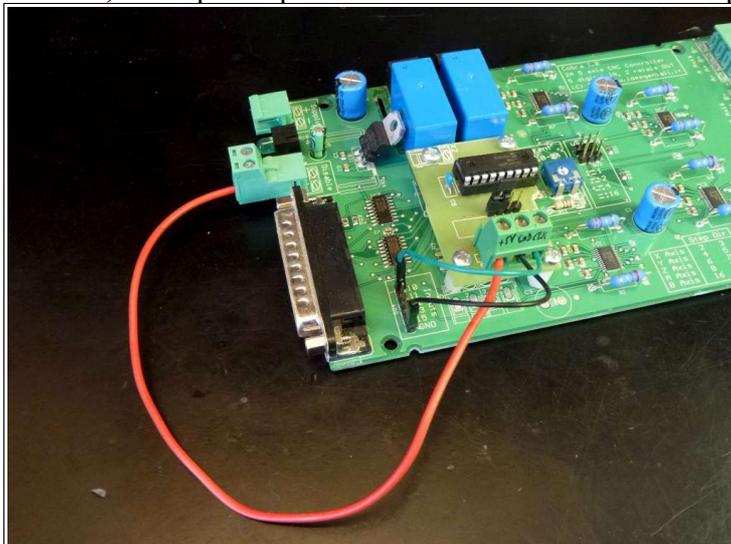
Green wire: output signal, square wave, 0-5V CMOS, CLK

It is advisable to get the +5V on right screw on "ENA" two-ways screw terminal on cobra board. This is an undocumented feature of cobra board: it can output +5V on right screw on "ENA" screwterminal.

GND connection can be done on the 0,100" spaced pin-header labelled "GND" in the "Inputs" section of cobra.

CLK connection is to be made on pin 10 on printer port, since it's on this pin that GMFC software needs it.

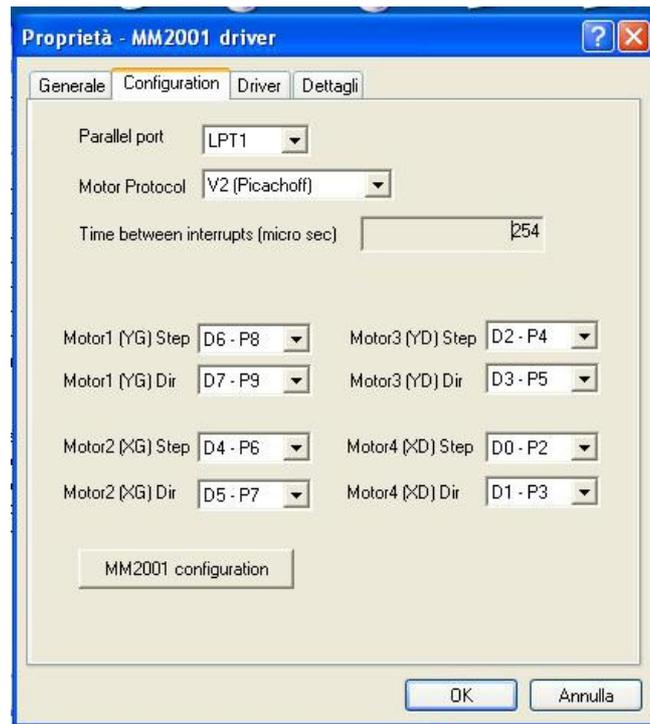
Printer port pin 10 is available on 0,100" spaced pin-header labelled "10" in the "Inputs" section of cobra.



Timer board connected onto cobra board

GMFC Driver configuration

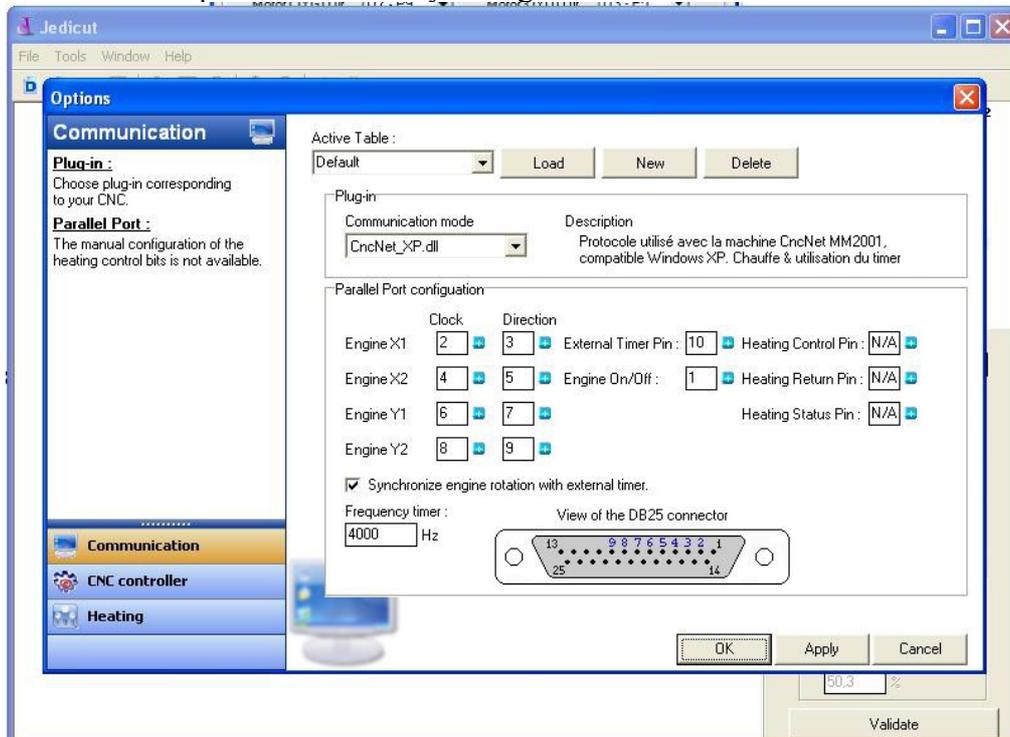
Please follow directions in this picture to correctly configure GMFC software driver for Cobra



GMFC driver configuration

JEDICUT Configuration

Please follow directions in this picture to correctly configure JEDICUT software for Cobra



Jedicut 2.3.2 – Communication configuration screen