





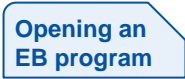




# Millenium 3 & MTP8/50

Quick Start

This tool is designed to quickly and easily commission the MTP8/50 screen & EB software in connection with Millenium 3



All tabs in this document contain links that allow to jump from chapter to chapter.

- Hard- and software used 
- Software installation 
- Connecting the hardware for program transfer 
- How to open an EB program 
- Program transfer 
- Program transfer via switch 
- Program transfer via Ethernet direct 
- Connecting the hardware for use 
- Program example 

# Hardware and software used

## Software

EB

≥ Version 4.64

ClS M3

≥ Version 2.5 AC7

## Hardware



- 1 Millennium3 24VDC  
Hardware version ≥ 1.0.03



- 1 screen MTP8/50

## Cables



1 RJ45 Ethernet cable



1 serial cable Millennium3

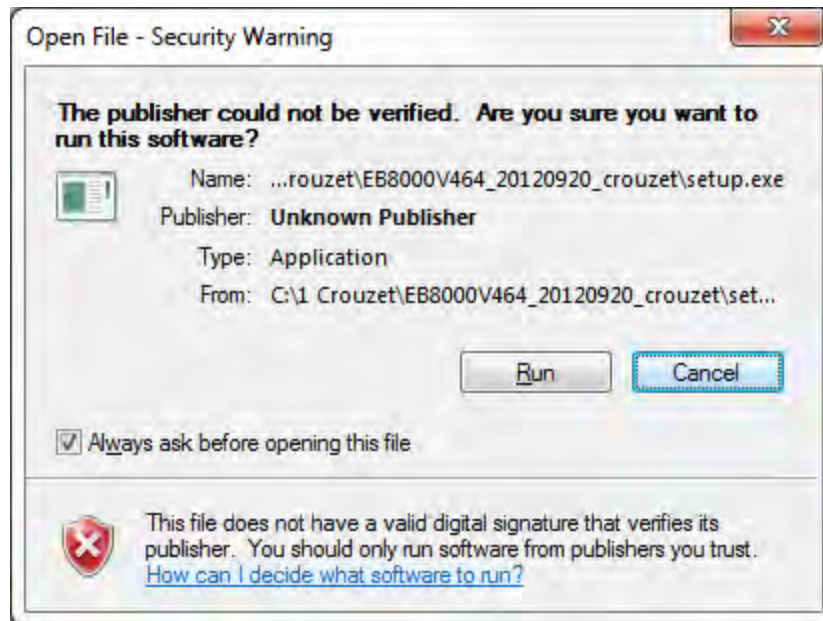


1 cable MTP8/50 ↔ M3

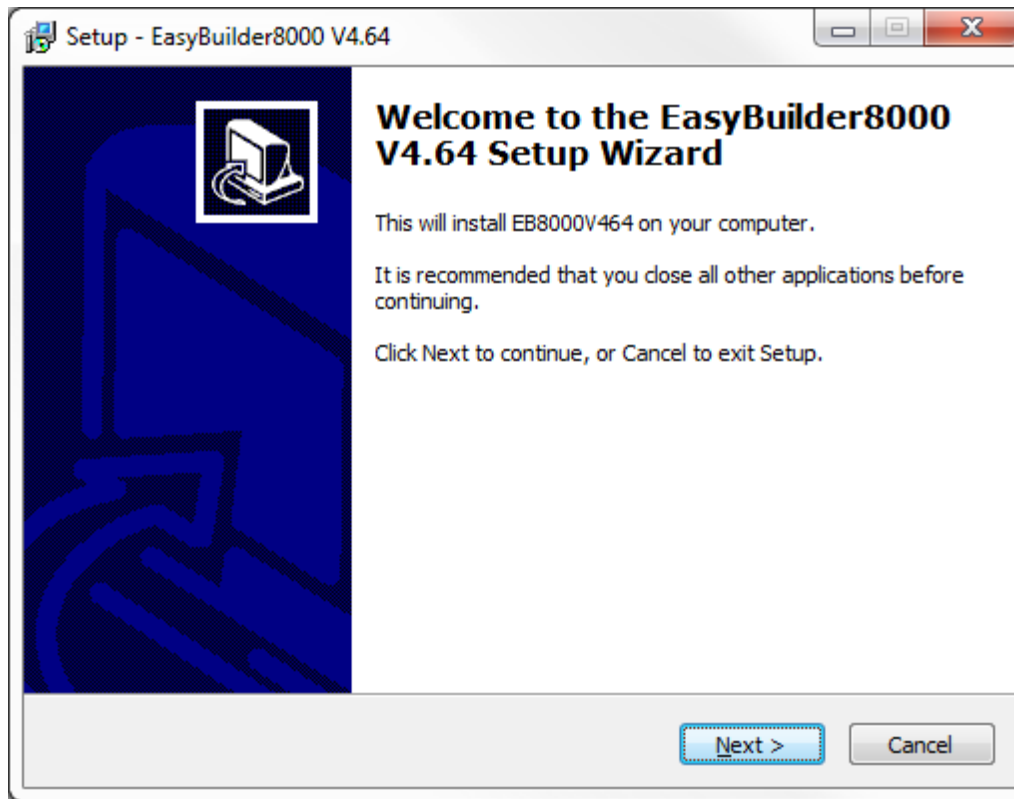
## • Installing the EB software



- Double click *setup.exe* in the *EB Software V4.64* folder to launch the software installation. (only available in English)
- If this window should open click *Run*



- Installing the EB software



We recommend to restart the computer  
after software installation



## • Wiring for program transfer option Ethernet via switch



## • Wiring for program transfer option Ethernet direct



In order to connect the screen to the computer via Ethernet direct use a crossed cable

To view how to set IP address manually please open the file: 'MTP8\_XX Ethernet Direct Configuration'

Disconnect the power whenever inserting or extracting the programming cable into/from Millennium 3!





## • Program transfer option Ethernet via switch



## • Program transfer option Ethernet direct



- How to open an EB program

The touchscreen programs that are linked to the Quick Start, placed on the CD, downloaded from our website or are sent by email have either *.cmp* or *.xob* extensions.

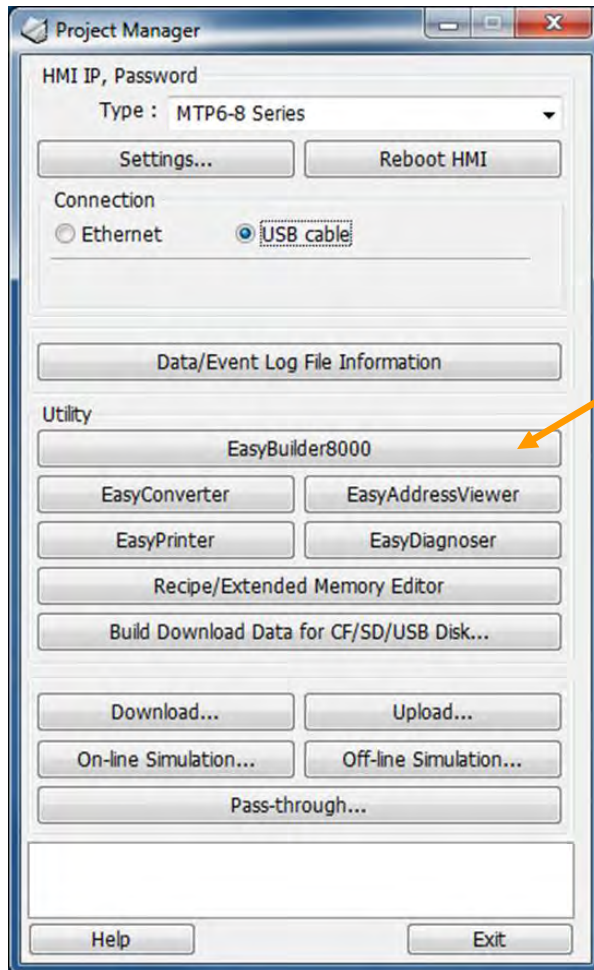
⇒ *.cmp* are compressed files containing libraries

⇒ *.xob* are compiled files

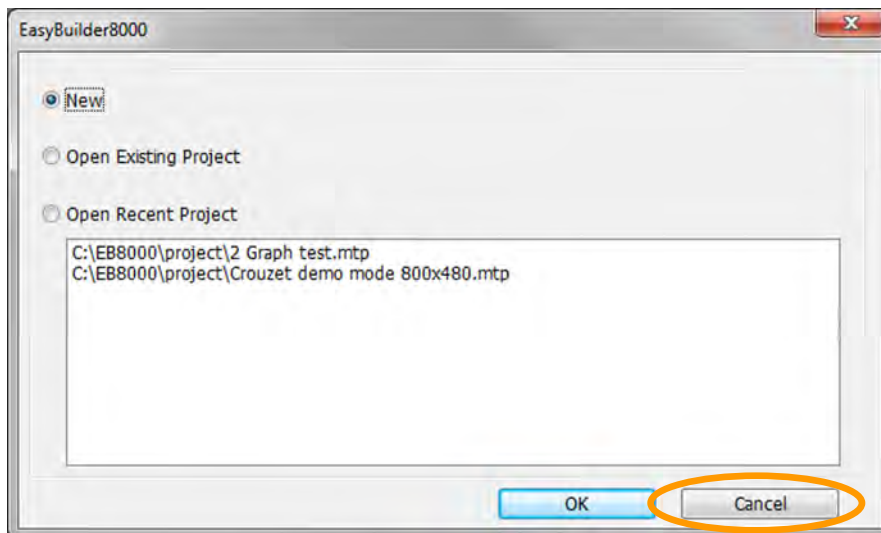
In order to open these programs the files have to be treated first.



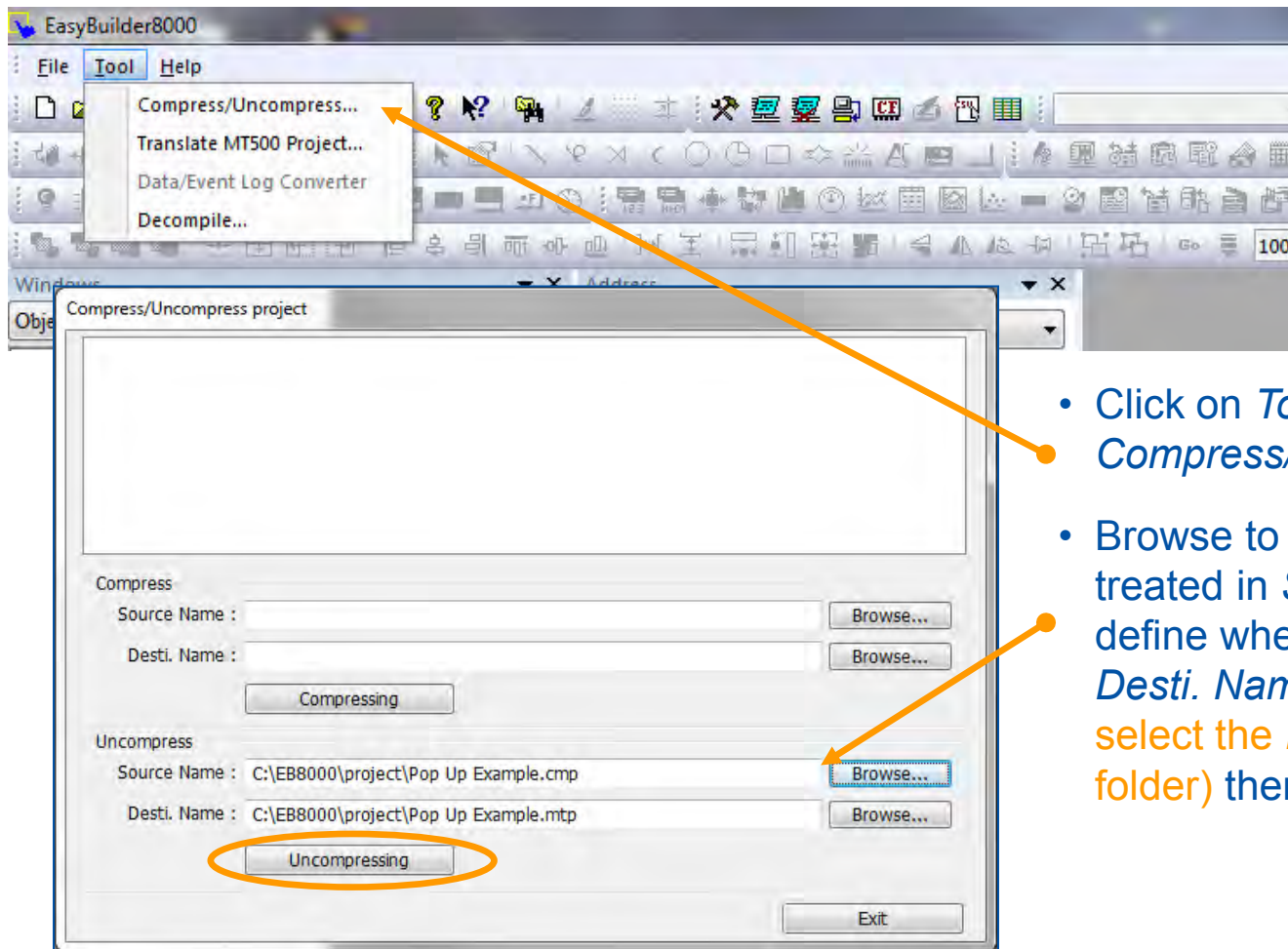
## • How to open an EB program



- Click on *Easy Builder*
- In the window that opens click *Cancel*



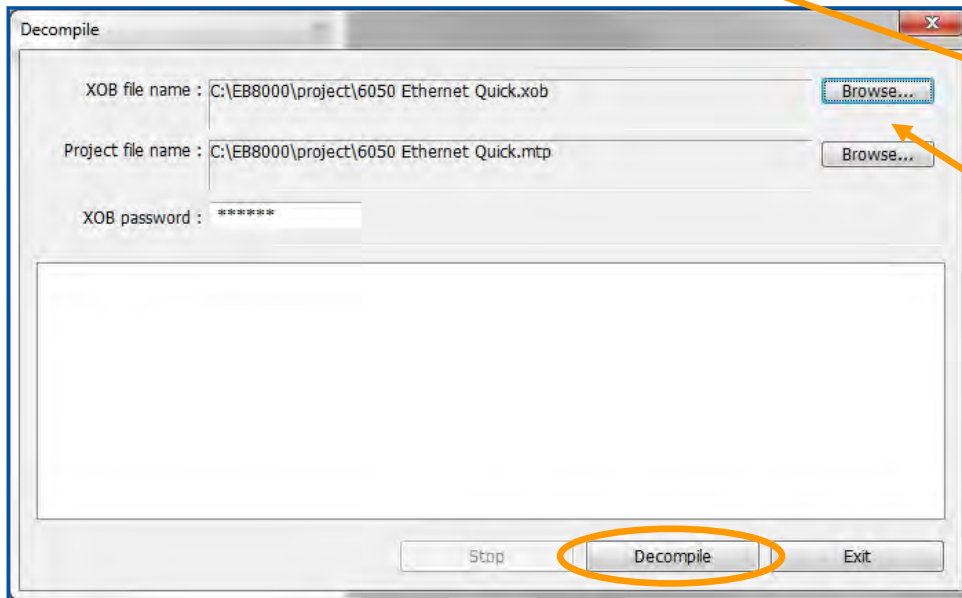
## • How to open a compressed .cmp file



- Click on *Tool* and select *Compress/Uncompress*
- Browse to the file that is to be treated in *Source Name* and define where it is to be saved in *Dest. Name*, (we recommend to select the *EB8000/project* default folder) then click *Uncompressing*



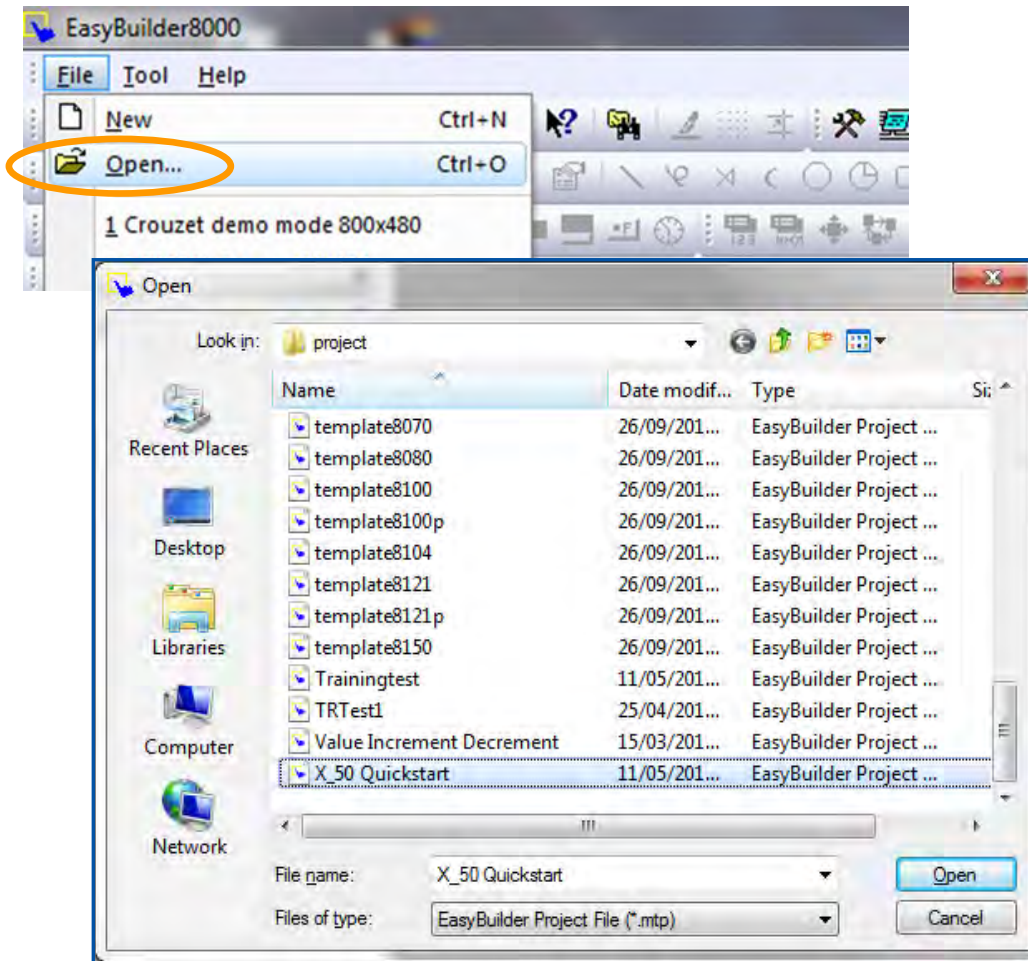
## • How to open a compiled .xob file



- Click on *Tool* and select *Decompile*
- Browse to the file that is to be treated in *XOB file name* and define where it is to be saved in *Project file name* (we recommend to select the *EB8000/project* default folder), then click *Decompile*
- In case of a protected program enter the password before decompiling

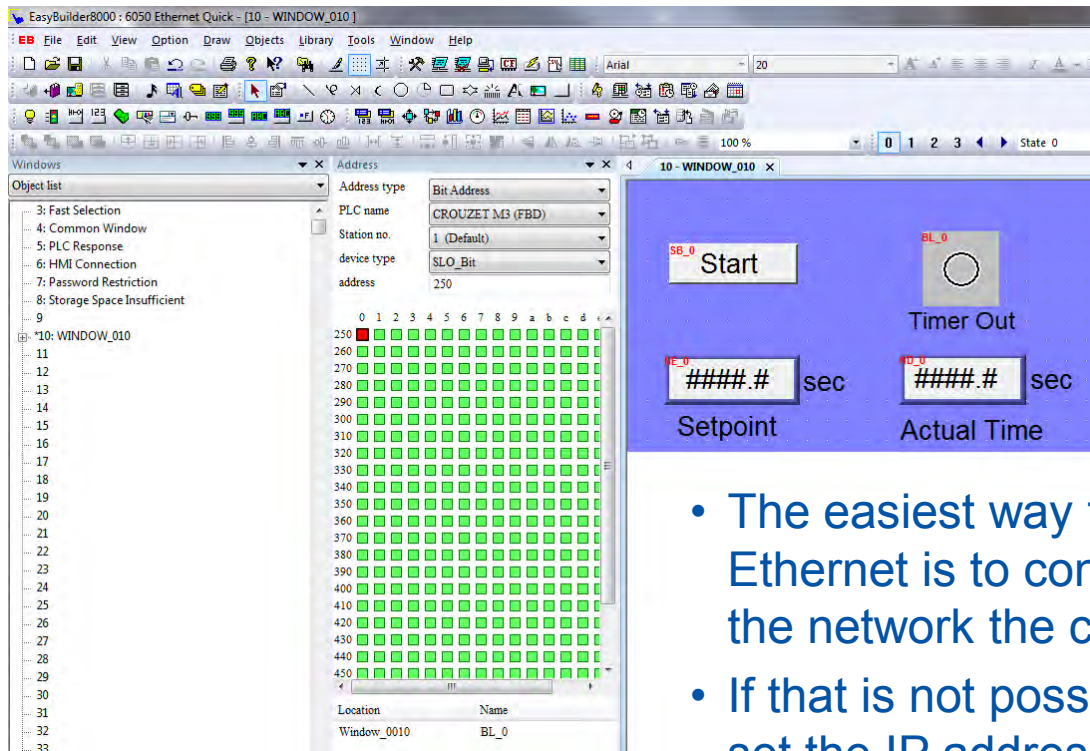


## • Program transfer PC ⇒ MTP8/50



- Click *File / Open* and select the Quick Start program that you have just uncompressed
- Then click *Open*

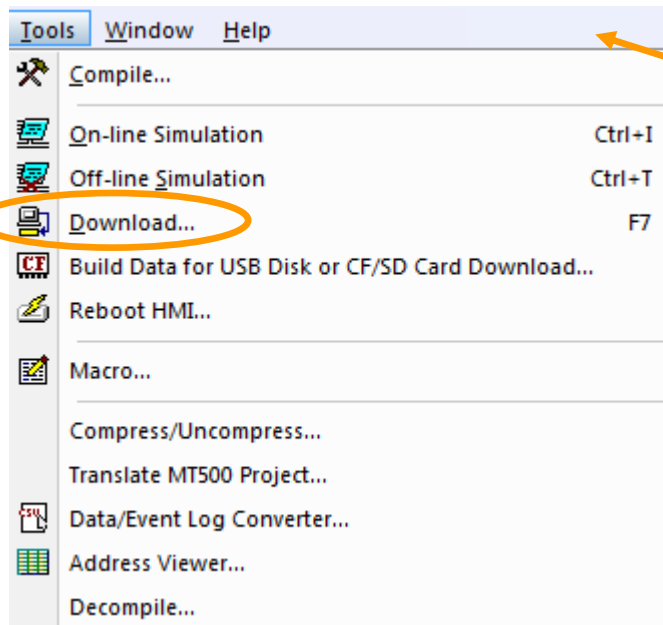
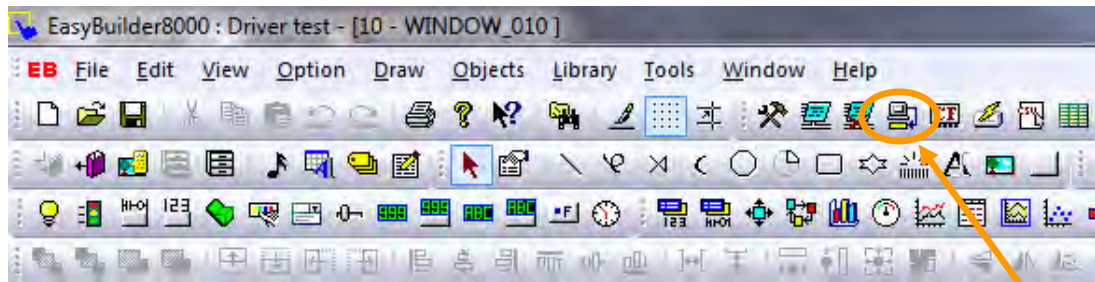
## • Program transfer PC $\Rightarrow$ MTP8/50



- The easiest way to program the screen via Ethernet is to connect it to a switch that is linked to the network the computer is connected to
- If that is not possible it is necessary to manually set the IP addresses in the MTP8/50 and the computer

To view how to set IP address manually please open the file: 'MTP8\_XX Ethernet Direct Configuration'

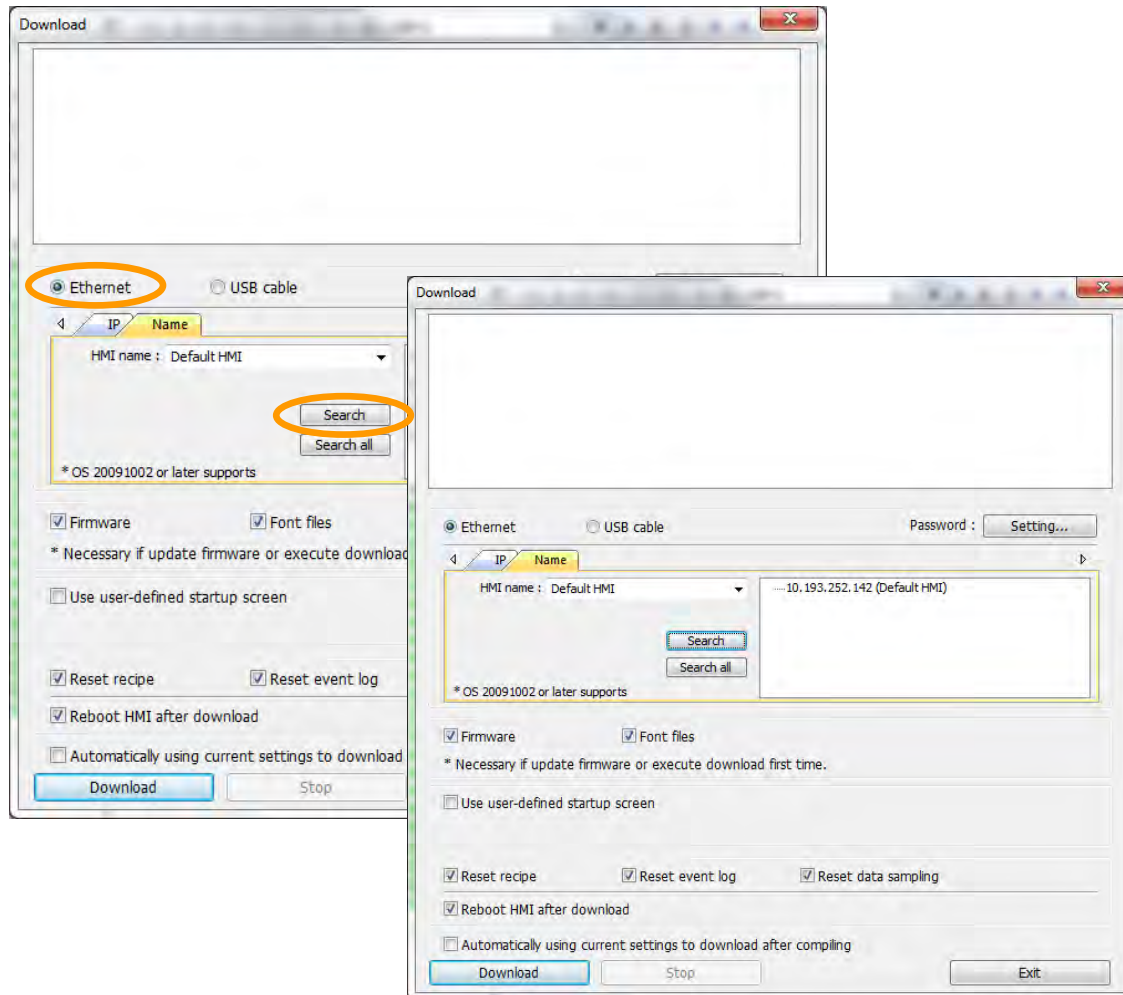
## • Program transfer PC $\Rightarrow$ MTP8/50



- Click on the icon *Download*  
or
- open *Tools* and select *Download*



# • Program transfer PC $\Rightarrow$ MTP8/50 via Ethernet switch

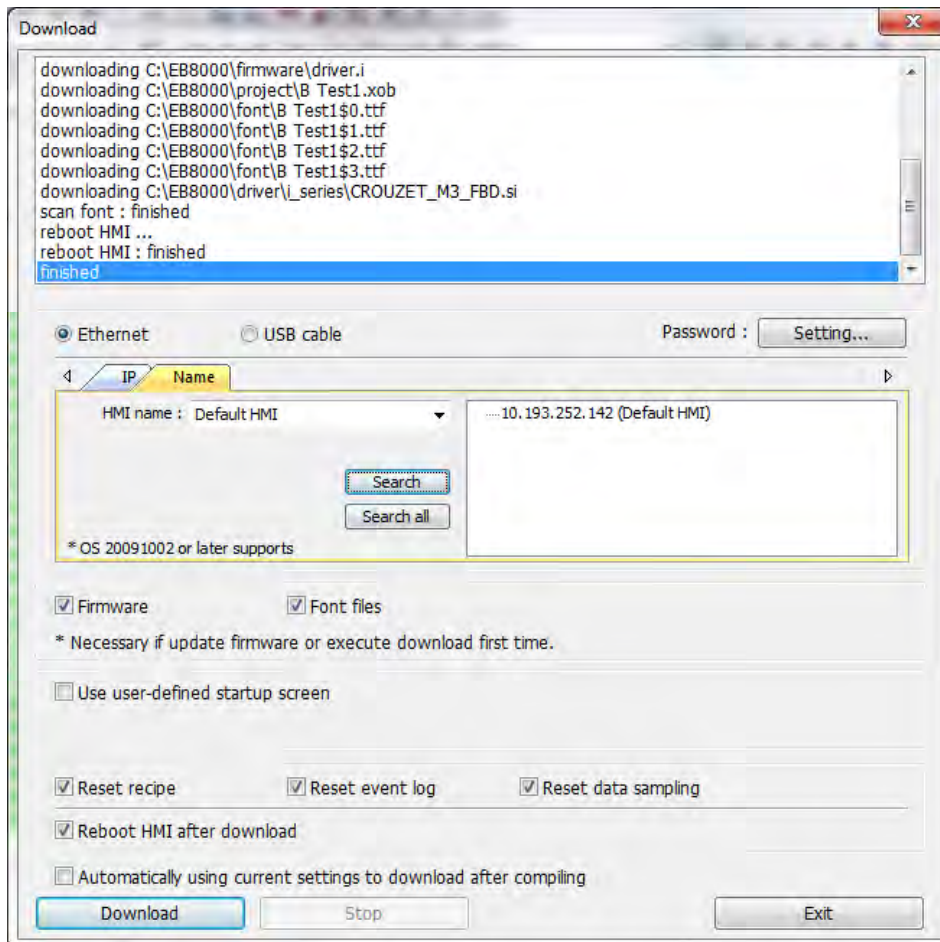


- In the window that opens select *Ethernet*, mark the HMI name *Default HMI* and click on *Search* if the IP address is not shown
- Mark the IP address if it has not been done automatically and click on *Download*
- If the *Default HMI* or an IP address can not be found, interrupt the MTP power supply in order to reinitialize the automatic IP address acquisition process

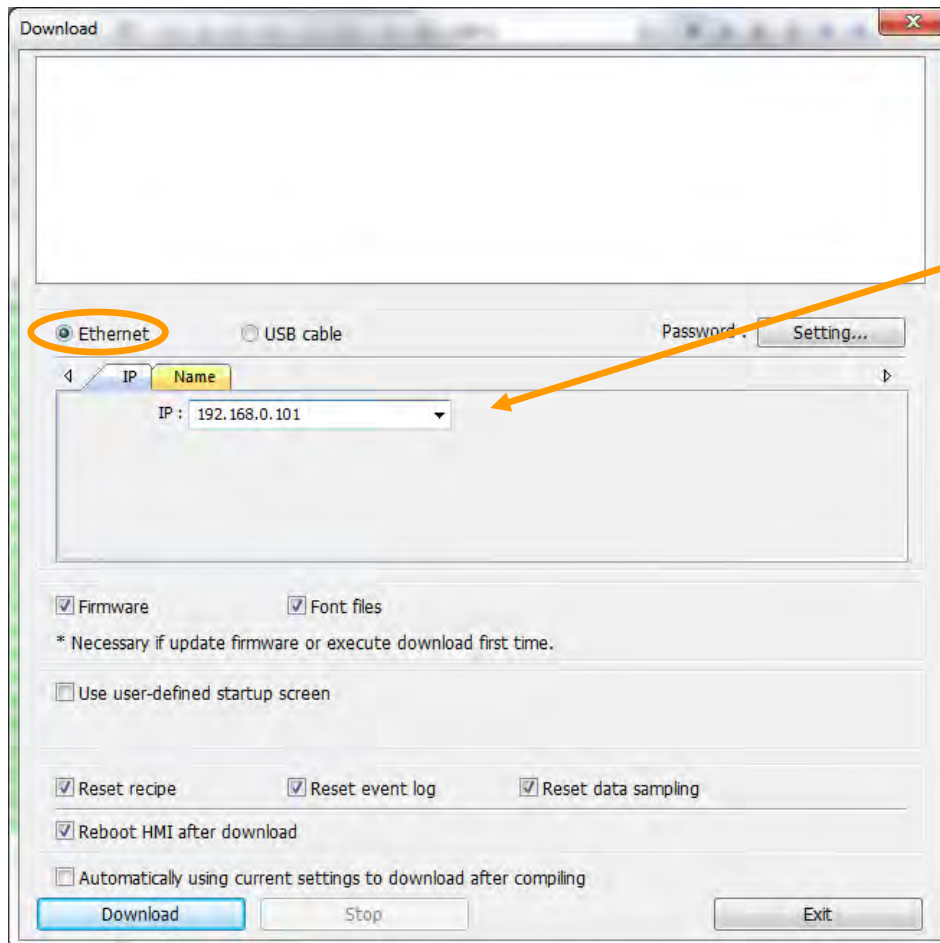
## • Program transfer PC $\Rightarrow$ MTP8/50 via Ethernet switch



- Click *Exit* after download is finished



## • Program transfer PC $\Rightarrow$ MTP8/50 via Ethernet direct



- In the window that opens select *Ethernet*, open the tab *IP* and enter the IP address of the MTP screen
- Click on *Download*

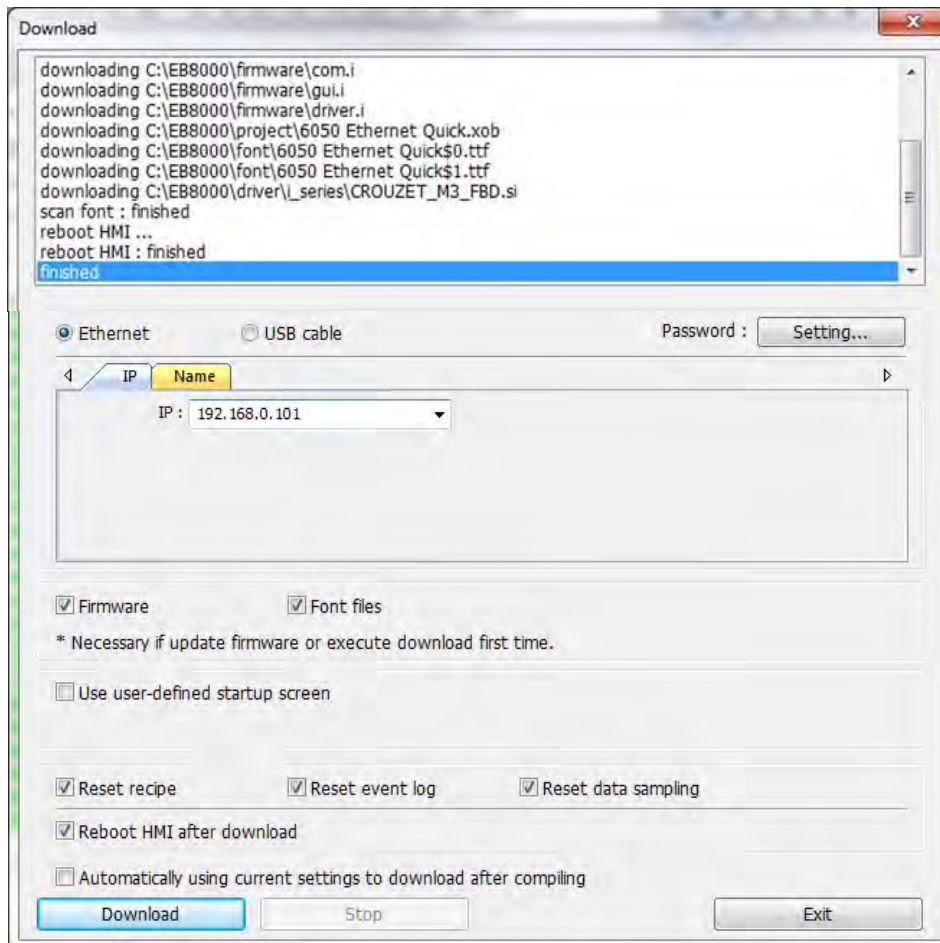
To view how to set IP address manually please open the file: 'MTP8\_XX Ethernet Direct Configuration'



## • Program transfer PC $\Rightarrow$ MTP8/50 via Ethernet direct



- Click *Exit* after download is finished



- The data exchange cable Millenium 3  $\Leftrightarrow$  MTPX/50



## • Wiring for use / data exchange

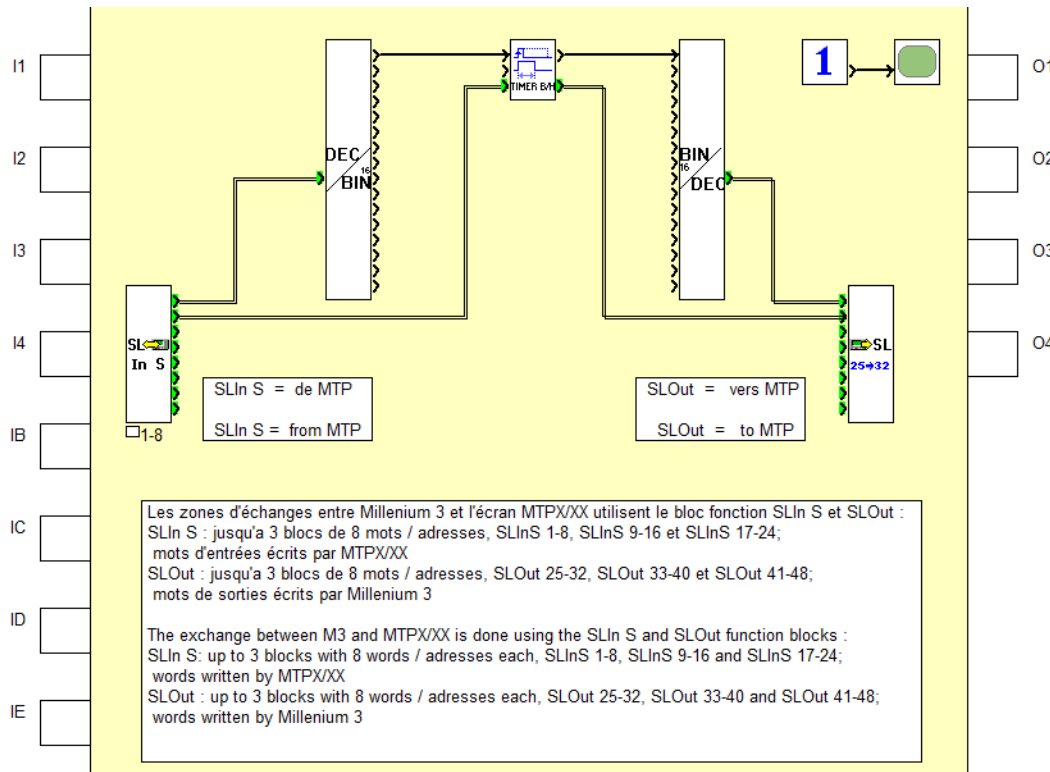


Disconnect the power whenever inserting or extracting the Millennium3 – MTPX/50 data exchange cable!

## Data exchange



## • Commissioning a Millenium 3 – MTP8/50 program example



### • Program description:

Read a bit (start timer) and a word (timer set point) from the MTP8/50

Write a bit (timer output) and a word (actual timer value) to the MTP8/50

### • Attached programs:

M3: *MTPX\_XX Quickstart.pm3*

MTP8/50: *X\_50 Quickstart.xob*

**Congratulations,**  
your have realized your first MTP8/50 – Millenium 3  
communication.

More possibilities and details are described in the Tutorial.