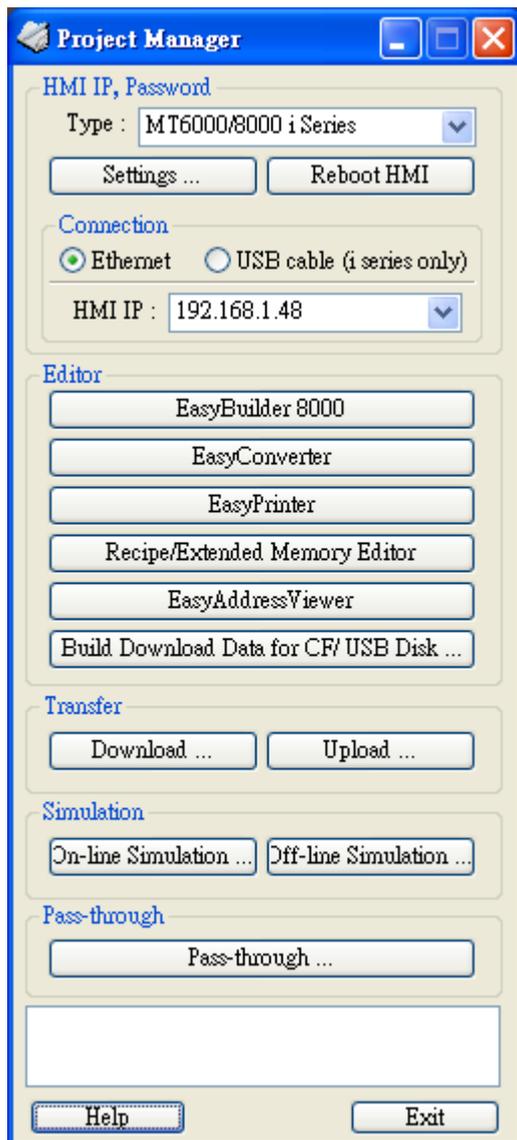


Chapter 2 Project Manager Operations

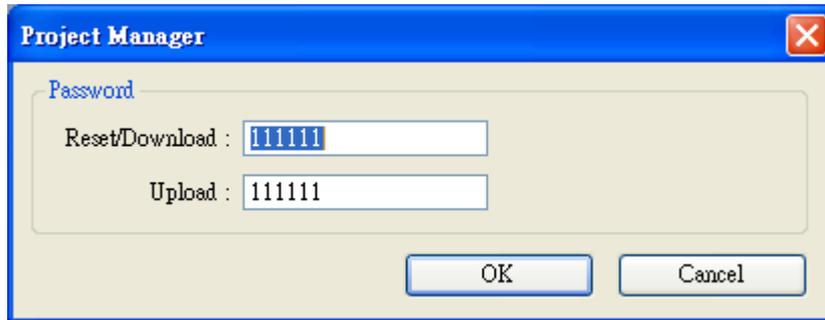
Introduction

The Project Manager is used to operate the EasyBuilder8000 specific function directly, it doesn't need to open the EasyBuilder8000. And it integrates every available function of the EasyBuilder8000.

Each function will be introduced in this chapter.



Settings...



Operating HMI by Ethernet needs to designate correct IP address and necessary password. “Reset” and “Download” functions share a set of password, and “Upload” function uses another password.

The password is provides protection against unauthorized access to the HMI. And be sure to record any password changes. Or resetting password will be erased the project and data on the HMI.

Reboot HMI

The "Reboot HMI" is use to reset the system without unplug power supply, such as updating the internal files of HMI. The connection message as below



HMI IP

Setting the correct IP address for operation HMI

HMI IP : 192.168.0.103

Editor

EasyBuilder 8000	EasyBuilder 8000 editing software
EasyConverter	Data record conversion tool, please refer to correlation appendix
EasyPrinter	MT remote printer server, please refer to correlation appendix
Recipe / Extend Memory Editor	Recipe data conversion tool, please refer to correlation appendix
EasyAddressViewer	View the register range of device type
Build Download Data for CF Card/USB Disk	Except Ethernet and USB cable, the project and data also can be downloaded to the HMI by CF card or USB memory stick. This function is for building the download data and the settings shows as below

Build Download Data for CF Card/USB Disk

The screenshot shows a 'Project Manager' dialog box with a blue title bar and a close button (X) in the top right corner. The main area is light beige and contains the following elements:

- A label 'Select the folder to save download data :' above a text box containing 'K:\' and a 'Browse ...' button.
- A section titled 'Sources' with a blue header, containing four rows of options, each with a checked checkbox, a label, a text box, and a 'Browse ...' button:
 - Project: 'PLEASE INPUT XOB FILE NAME !'
 - Recipe (RW): 'PLEASE INPUT RECIPE FILE NAME !'
 - Recipe A (RW_A): 'PLEASE INPUT RECIPE_A FILE NAME !'
 - Data log: 'PLEASE INPUT DATA LOG FILE NAME !'
- At the bottom, there are two buttons: 'Build' on the left and 'Exit' on the right.

<p align="center">Select the folder to save download data</p>	<p>Insert CF card or USB stick to PC and press [Browse...] to assign the file path (or directory name) and then press [Build], it will start downloading the whole content of the source files to USB or CF card</p>
<p align="center">Project</p>	<p>To assign the desired specific files which want to be downloaded.</p>
<p align="center">Recipe (RW)</p>	
<p align="center">Recipe A (RW_A)</p>	
<p align="center">Data log</p>	

Save download data location should be the name of directory and avoid designating only root directory.

For example, both “c:\” and “f:\” are illegal names.

Step by step to download project via USB or CF card

Example building download data on USB disk folder named “**123**” (*K:\123*)

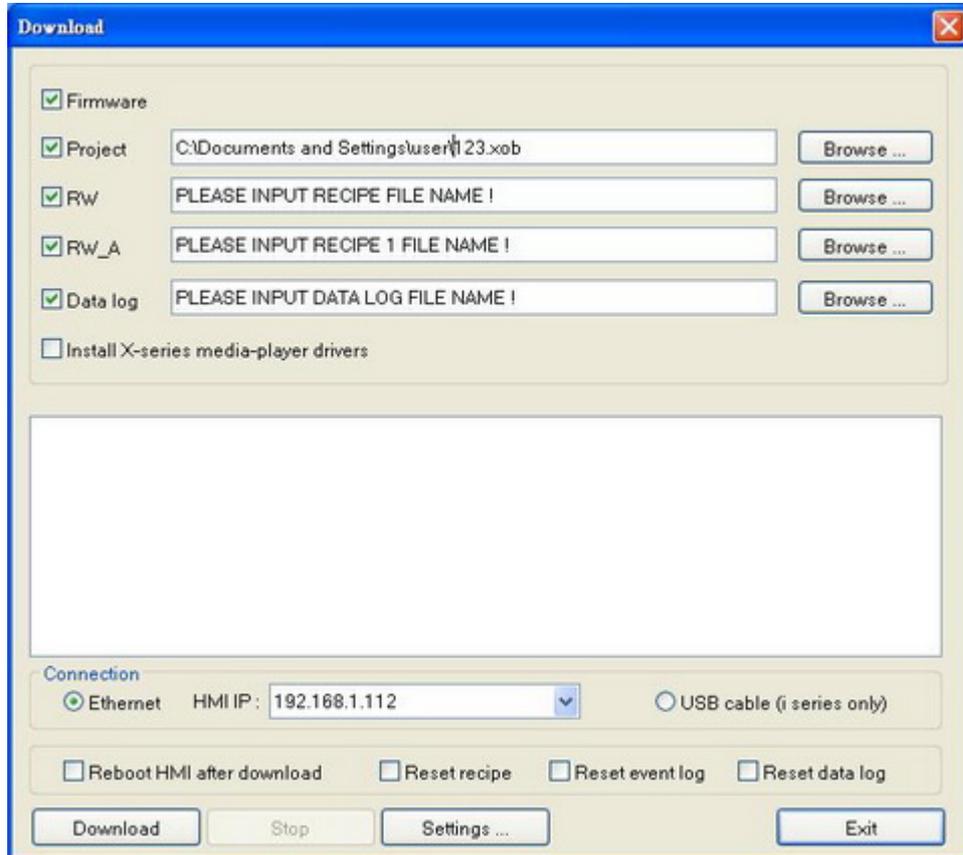
When USB disk (project or recipe included) is plug into the HMI and wait around few seconds will pop up Download / Upload dialog. Please select Download and input Download Password. And to check Download project files and Download history files on Download Settings dialog, then press OK. After that, it will display Pick a Directory dialog, please select directory *usbdisk/device-0/123* then press ok. And it will auto update project.

Note: Necessary to reboot HMI if not download project files but history files only.

Transfer

Download

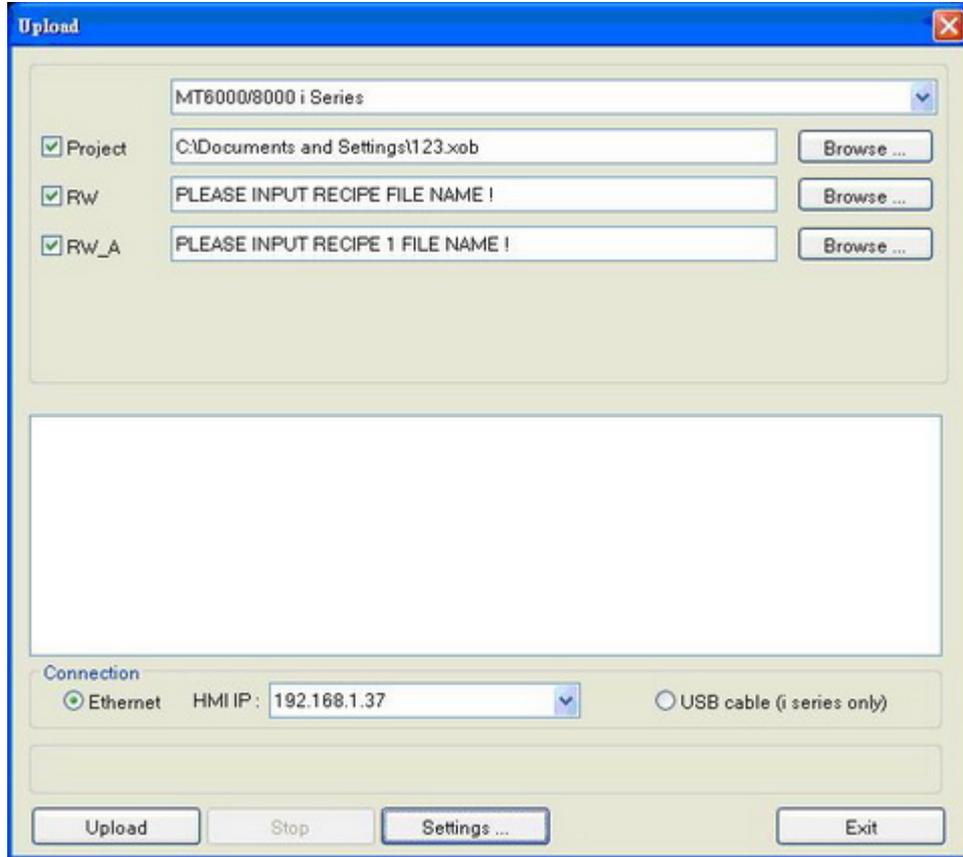
Download source files to the HMI through Ethernet or USB cable. Press the [Download] button and the dialog display as below:



Firmware	Check [Firmware] to update all of the kernel programs of HMI. It is necessary if first time download project to HMI
Project	To assign the desired specific files which want to be downloaded
RW	
RW_A	
Data log	
Install X-series media-player drivers	Necessary if first time to use EB8000 V2.0.0 download project to HMI X-series
Reboot HMI after download	It will auto reboot HMI after downloading
Reset recipe	Check each box to clean the specific files in HMI before process of downloading
Reset event log	
Reset data log	

Upload

Upload files from HMI to PC by Ethernet or USB cable and the dialog box shows as below:



Project	To assign the desired save location before uploading.
RW	
RW_A	

Simulation

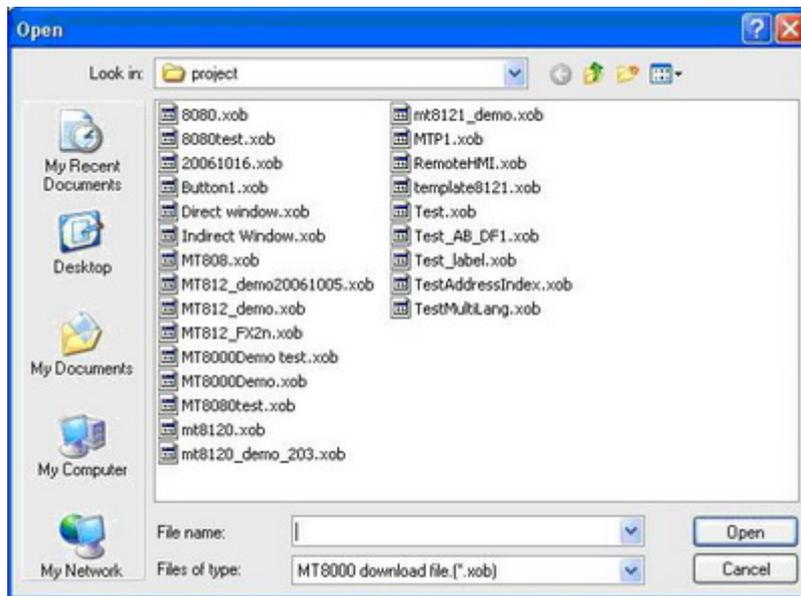
On-line Simulation/Off-line Simulation

There are two simulations: Off-line simulation & On-line simulation.

By virtual device, PC simulates the operations of PLC without connecting to PLC. On the contrary, On-line simulation is executed by connecting with PLC and accurately setting the communication parameters. When simulating on PC, if the control target is

a local PLC (i.e. the PLC directly connected to PC), there have **10 mins simulation limit**.

Execute On-line/Off-line Simulation, select the source of *.xob file before executing the function.

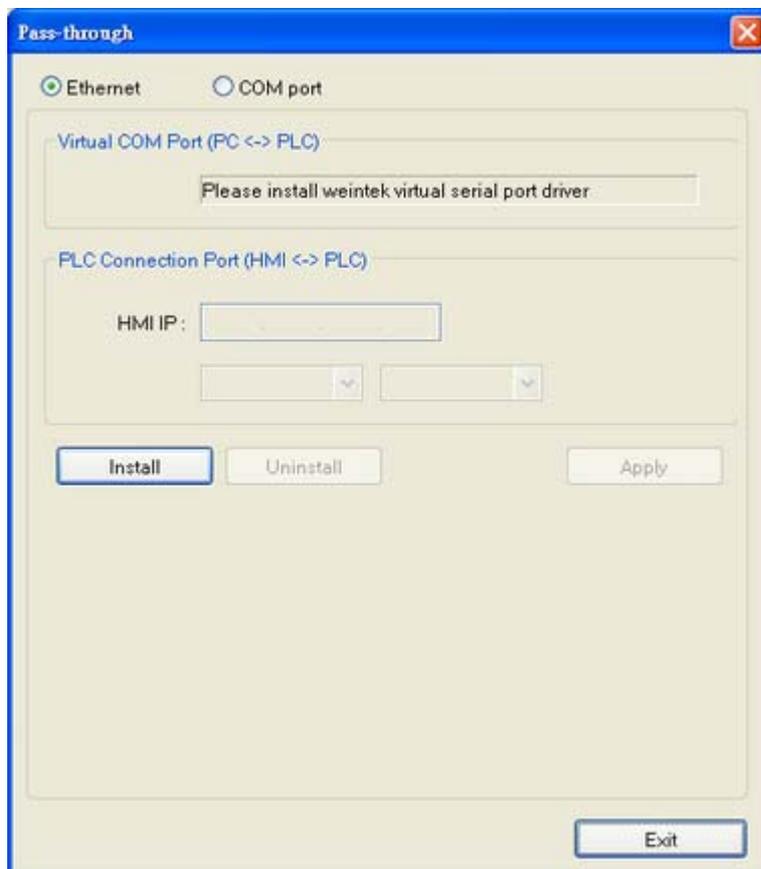


Pass-through

The pass-through function is allowed the PC application to connect with PLC via HMI. After start pass-through function, the HMI is acting as a converter.

Pass-through provides two modes: Ethernet and COM port. To click Pass-through on Project Manager will display the application.

Ethernet mode



COM port mode

The screenshot shows a software window titled "Pass-through" with a blue title bar and a close button in the top right corner. The window contains the following elements:

- At the top, two radio buttons: "Ethernet" (unselected) and "COM port" (selected).
- A text field labeled "HMI IP:" containing the value "192.168.1.37" and a dropdown arrow.
- A button labeled "Get HMI Communication Parameters" below the IP field.
- A status box labeled "HMI work mode : Unknown".
- A section titled "Source COM Port (PC-> HMI)" containing:
 - A dropdown menu set to "COM 1".
 - A dropdown menu set to "RS232".
 - A "Baud rate:" dropdown set to "9600".
 - A "Data bits:" dropdown set to "8 Bits".
 - A "Parity:" dropdown set to "Even".
 - A "Stop bits:" dropdown set to "1 Bit".
- A section titled "Destination COM Port (HMI -> PLC)" containing:
 - A dropdown menu set to "COM 2".
 - A dropdown menu set to "RS232".
 - A "Baud rate:" dropdown set to "9600".
 - A "Data bits:" dropdown set to "8 Bits".
 - A "Parity:" dropdown set to "Even".
 - A "Stop bits:" dropdown set to "1 Bit".
- At the bottom, two buttons: "Start Pass-through" and "Stop Pass-through".
- In the bottom right corner, an "Exit" button.

Please refer to correlation appendix