2-1

2. Utility Manager

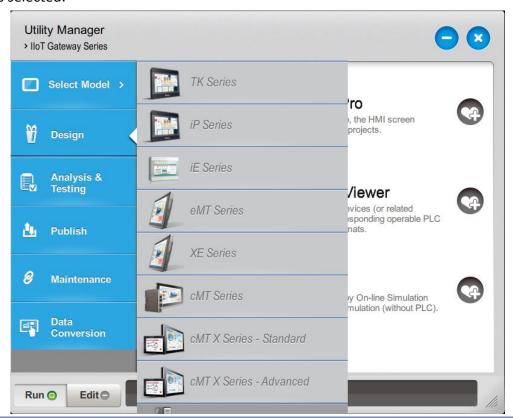
This chapter explains how to use Utility Manager.

2.1.	Overview	2-2
2.2.	Design	2-3
	Analysis & Testing	
2.4.	Publish	2-6
2.5.	Maintenance	2-11
2.6	Data Conversion	2-13



2.1. Overview

After installing EasyBuilder Pro, double click [UtilityManagerEx] shortcut on the desktop to start. Utility Manager is for launching several utilities and it is a stand-alone program. Please select a model first and note that certain features may not work as expected if an incorrect model is selected.



Utilities	Description	
	Minimize Utility Manager window.	
8	Close Utility Manager.	
(4)	Add the frequently used utilities to the toolbar at the bottom of the	
	window.	
Run	Run the selected utility on the toolbar.	
Edit	Delete the selected utility on the toolbar.	



2.2. Design



Utilities	Description
EasyBuilder Pro	Launch EasyBuilder Pro to edit projects.
EasyAddressViewer	Review the address ranges and formats of supported PLCs.
Simulation	Simulate an HMI on PC by running On-line Simulation or Off-line
	Simulation. Please select an .exob / .cxob file as source first.
	Off-line simulation: Simulate project operation on PC without
	connecting any devices.
	On-line simulation: Simulate project operation on PC and PLCs are
	directly connected with PC.
	Note
	When using [On-line simulation] on PC, if the target device is a
	local PLC (the PLC directly connected to PC), there is a
	one-hour simulation limit.



2.3. Analysis & Testing



Utilities	Description
cMT Diagnoser	A diagnostic tool that can monitor data and status of all objects in
	the current window when it is connected to a cMT Series HMI,
	show the status of individual communication packet, show
	communication status with MQTT server, and debug macros.
	See "31 cMT Diagnoser".
EasyDiagnoser	Diagnoses the connection status between eMT/iE/XE/mTV HMI and
	PLC.
	See "33 EasyDiagnoser".
EasyWatch	Allows users to monitor or configure HMI or PLC address values via
	Ethernet on PC.
	See "35 EasyWatch".
Reboot HMI	Reboots the HMI without unplugging. After reboot, the system
	returns to the initial state.
Serial Pass-Through	Opens a local serial port (virtual/physical) and allow other PC
WEINTEK	EasyBuilder Pro V6.09.01

applications to connect to PLC via HMI.

The Serial Pass-Through feature provides two modes: Ethernet and COM port.

Before using [Ethernet] mode, please check if virtual serial port driver has been installed.



Ethernet Pass-Through

When PC and PLC are respectively connected to different Ethernet ports of a Dual-port HMI, this feature allows running the application on PC to control PLC through HMI. This feature is only supported on cMT / cMT X Series models.

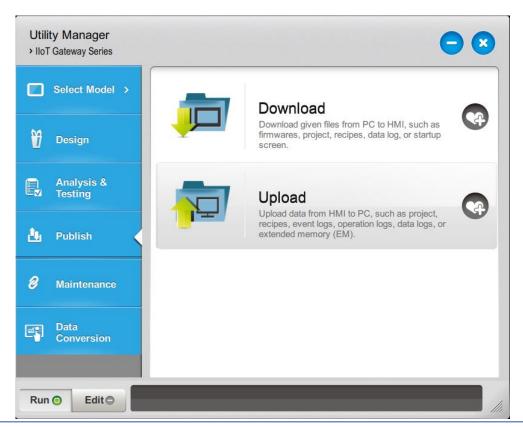


Pass-through feature allows the PC application to connect PLC via HMI. In this case, the HMI works like a converter.





2.4. Publish



Utilities	Description
Download	Downloads project file to HMI via Ethernet or USB cable.
Upload	Uploads files on HMI to PC via Ethernet or USB cable.
Build Download	Builds the data to be downloaded to HMI in an SD card / USB drive.
Data for SD/USB	For cMT / cMT X Series, the data needs to be built in EasyBuilder
Disk	Pro.

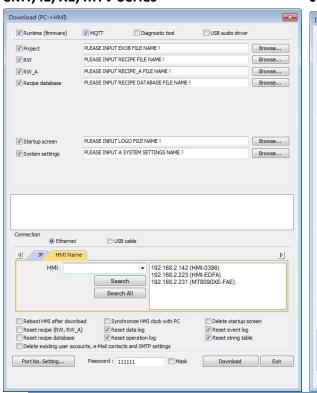


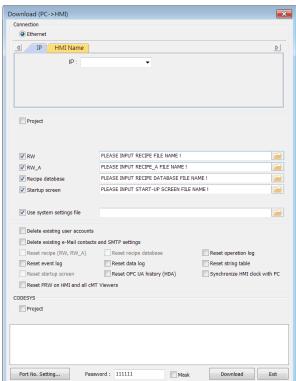
2.4.1. Download (PC->HMI)

Download files to HMI via Ethernet or USB cable.

eMT, iE, XE, mTV Series

cMT, cMT X Series





Setting	Description
Project	Select an .exob or .cxob project file. For a cMT /
	cMT X project, the Project Checksum will be
	shown under the directory of the project for
	users to check whether the project file has been
	tempered with.
Runtime (firmware)	Update HMI kernel programs. The firmware
	must be downloaded at the first time
	downloading data to HMI.
MQTT	If MQTT is used in the project and HMI is the
	broker, this checkbox must be selected before
	download.
Diagnostic tool	Enable the diagnostic tool to send diagnostic
	data to the developers when an error occurs for
	quick troubleshooting.
USB Audio Driver	Enable audio output on HMI so it can
	immediately emit a sound when a USB sound
	card and a speaker are connected.



EasyBuilder Pro V6.09.01

RW / RW_A	Select an .rcp recipe file.
Recipe database	Select a .db file of Recipe Database.
Startup screen	Download a .bmp file to the HMI, which will be
	displayed after the HMI is started, and then the
	downloaded project is loaded. Please note that
	when downloading a project to a cMT / cMT X
	model, it is not possible to select both Project
	and Startup Screen in the download window.
Use system settings file	Select a .conf system settings file.
Reboot HMI after download	Automatically reboot after download.
Port No. Setting	Select the port by which to download the
	project file via Ethernet.
Synchronize HMI clock with PC	Synchronize HMI time with PC time when
with PC	downloading project file.
Reset recipe / recipe database / event log / data log / operation log / string table / OPC UA history (HDA) / startup screen / Delete existing user accounts, e-Mail contacts and SMTP settings	Erase the selected files on HMI before download.
CODESYS	Use Utility Manager to download CODESYS boot
	project.

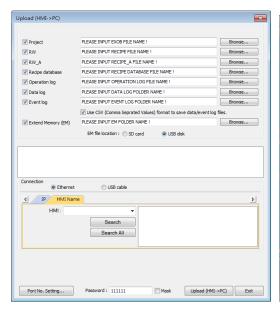


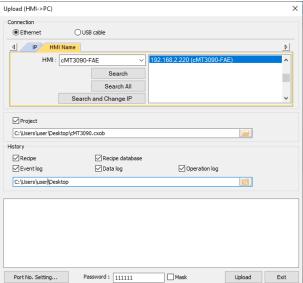
2.4.2. **Upload (HMI->PC)**

Upload files from HMI to PC via Ethernet or USB cable. Click [Browse] and assign the file path before uploading.

eMT, iE, XE, mTV Series







Setting	Description
Event log	Upload the .evt file on HMI to PC.
Extended Memory	Upload the .emi file saved in SD card or USB disk
(EM)	to PC.

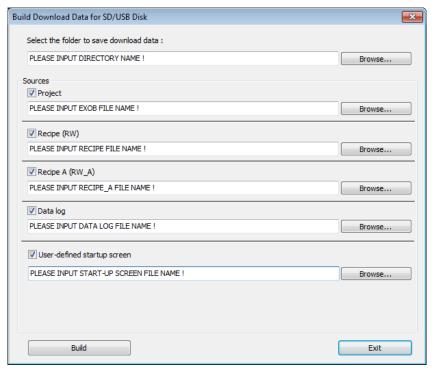
For information about [Project], [RW / RW_A], [Recipe database] or [Data log], see "2.4.1 Download" in this chapter.



- The file will be uploaded to PC in .exob / .cxob format. Please decompile it into editable .emtp / .cmtp file first and open the .emtp / .cmtp file in EasyBuilder Pro.
- To upload the historical files saved in the external device, please use FTP. See "32 FTP Server Application" for more information.



2.4.3. Build Download Data for SD/USB Disk



- 1. Insert an external device (SD card or USB drive) to PC.
- 2. Designate the directory to save data.
- 3. Browse for the directory of the source files.
- 4. Click [Build] to create download file.

Files will then be saved to the inserted device for users to download to HMI without having to use a USB cable or Ethernet.

2.4.4. Steps to Download Project to HMI via USB Disk or SD Card

To download data in a folder (e.g. a folder named "123" (K:\123)) in a USB disk.

- 1. Insert USB (in which the project is saved) to HMI.
- In [Download / Upload] dialog box select [Download].
- Enter Download Password.
- In [Download Settings] dialog box, select [Download project files] and [Download history files].
- 5. Press [OK].
- 6. In [Pick a Directory] dialog box, select directory: usbdisk\disk_a_1\123.
- 7. Press [OK].

Project will then be updated.



If history data is downloaded but not the project file, please reboot HMI to update files.



EasyBuilder Pro V6.09.01

2.5. Maintenance

Options in this tab may vary according to model.



Utilities	Description	
Administrator Tools	Allows saving the data of [User Accounts], [USB Security Key],	
	[e-Mail SMTP Server Settings], and [e-Mail Contacts] to USB.	
	See "36 Administrator Tools".	
cMT Viewer	cMT Viewer can connect to a cMT / cMT X Series model. PC is the	
	display terminal for cMT / cMT X project.	
cMT-iV5/cMT-iV6	Undates aNT iVE /iV/6 runtime (firmulars) or OS	
Firmware Update	Updates cMT-iV5/iV6 runtime (firmware) or OS.	
cMT-Server OS	Lindatas aMT SVD/SVD 200 OS	
Update	Updates cMT-SVR/SVR-200 OS.	
cMT-Gateway/CTRL	Lindatos cMT Catoway/CTDL OS	
OS Update	Updates cMT-Gateway/CTRL OS.	
CODESYS Firmware	Undates CODESVS firmware on SMT HMI	
Upgrade	Updates CODESYS firmware on cMT HMI.	
SSL/TLS Certificate	Ungrades the built in evalued CCI/TIC contificate or UNA	
Upgrade	Upgrades the built-in expired SSL/TLS certificate on HMI.	



EasyBuilder Pro V6.09.01

HMI Information Collector	Obtains a file with diagnostic information from HMI.
EasyPrinter / Backup Server	Runs remote backup/printer server on PC.
Data/Event log Information	Connects with HMI via USB cable or Ethernet to check the number of history files on HMI. This feature is not supported on cMT / cMT
	Data/Event Log File Information data log

Supports access to remote HMI by connecting EasyAccess server over Internet. You can find more information at: www.ihmi.net



EasyAccess 1.0

■ HMI Information Collector is available only on cMT / cMT X Series models, and the applicable OS version is 20210705 or later.



2.6. Data Conversion



Utilities	Description
Recipe Database	Edits recipe data.
Editor	Click the icon to download the document about Recipe
	Database.
Easy Converter	Reads HMI-generated data logs, event logs, and operation logs and
	converts the files to Excel (.xlsx) format.
	See "25 EasyConverter".
Recipe Editor	Creates new recipe data to be used on HMI and modifies the
	existing recipe data.
	See "24 Recipe Editor".

