17. Transferring Recipe Data

This chapter explains how to transfer recipe data.

17.1. Overview

Recipe Data refers to the data stored in RW and RW_A addresses. The way of reading and writing these addresses is the same as operating a word register. The difference is that recipe data is stored in flash memory, when restarting HMI, the latest data records in RW and RW_A are kept.

The size of recipe data a RW address can store is 512K words, and RW_A is 64K words. Users can update recipe data with SD card, USB disk, USB cable or Ethernet and use the data to update PLC data. Recipe Data can also be uploaded to PC; furthermore, PLC data can be saved in recipe data. The following explains the ways of transferring recipe data.
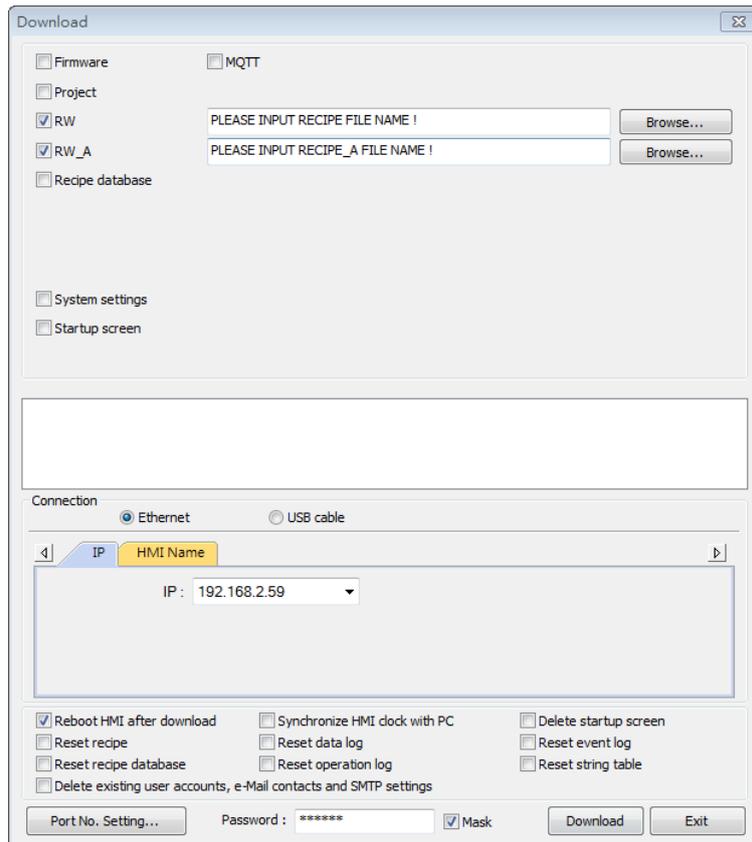
Click the icon to watch the demonstration film. Please confirm your internet connection before playing the film.

17.2. Steps to Update Recipe Data with Ethernet or USB Cable

1. Open UtilityManagerEx and click [Publish] » [Download].
2. Select [RW] and [RW_A] and [Browse] for the source file.
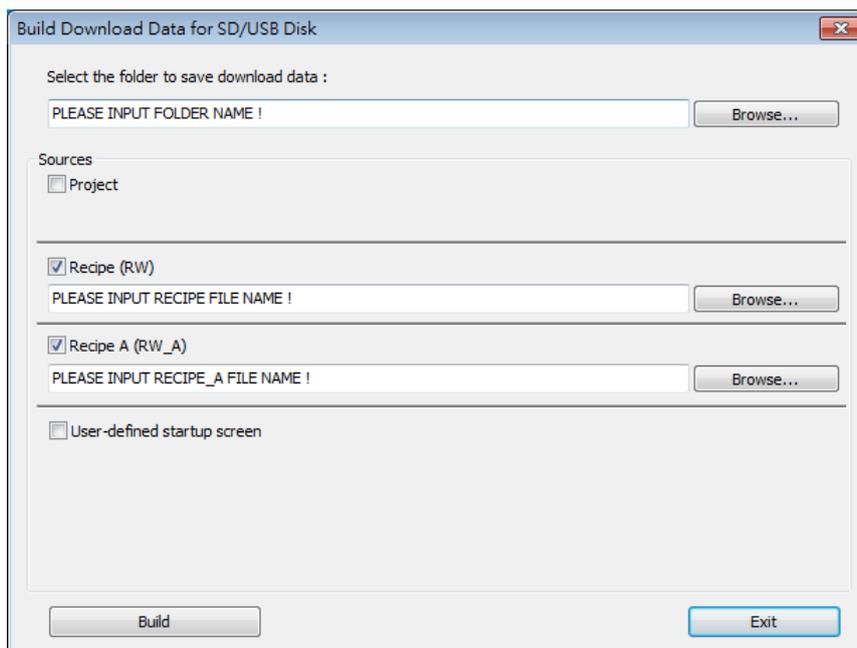3. After downloading, restart HMI, RW and RW_A will be updated.

When [Reboot HMI after download] is selected, users don't have to manually reboot HMI. When [Reset recipe] check box is selected, the system will clear all the data in [RW] and [RW_A] before downloading.

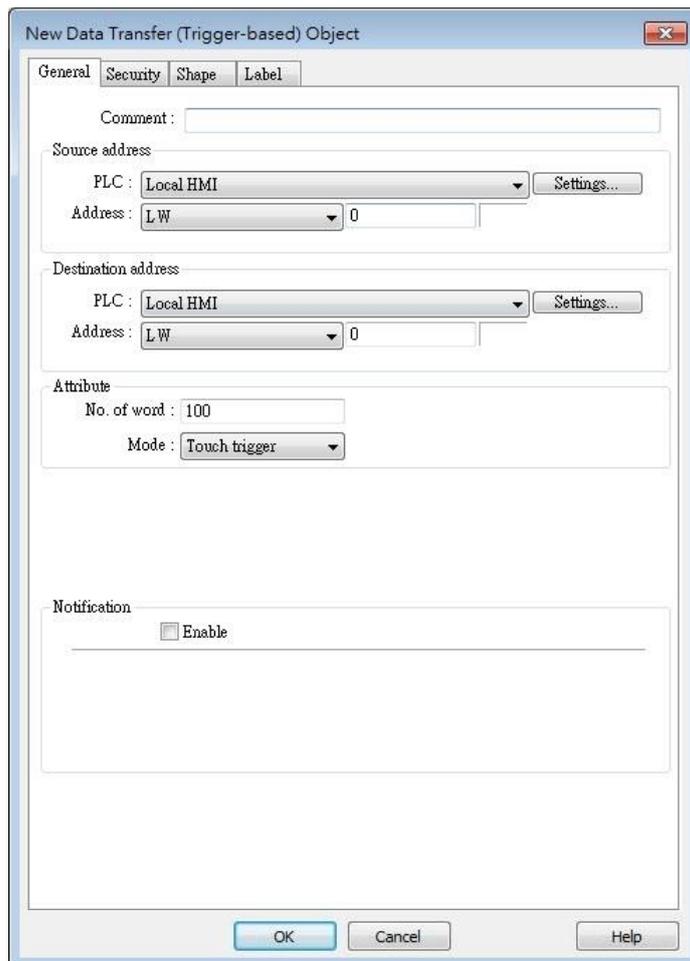## 17.3.   Steps to Update Recipe Data with SD Card or USB Disk

1.   Open UtilityManagerEx and click [Publish] » [Build Download Data for SD/USB Disk].
2.   Insert a SD card or USB disk into PC.
3.   Click [Browse] to designate the file path.
4.   Click [Build], EasyBuilder Pro will save the data in SD card or USB disk.

📝**Note**

■ When download data is successfully built, two folders can be found: *history* and e*mt3000*. *emt3000* is for storing project file; *history* is for storing recipe data and data sampling / event log records.

■ Please manually reboot HMI to update recipe data.

17.4.   **Transferring Recipe Data**

Use [Data Transfer (Trigger-based) Object] to transfer recipe data to a specific address, or save the data of this address in [RW] and [RW_A].

Setting	Description
Source address	Sets the source of the data.
Destination address	Sets the destination of the data to transfer to.
Attribute	Sets the number of words to transfer from source to destination.

17.5.   Saving Recipe Data Automatically

In order to prolong the life span of HMI flash memory, the system will automatically save the recipe data to HMI every minute. To avoid losing data when turning HMI off during the interval of saving data, system register [LB-9029: Save all recipe data to machine (set ON)] is provided. Set ON LB-9029 will make the system save recipe data once. Set ON [LB-9028: Reset all recipe data (set ON)], the system will clear all recipe data.