17. Transferring Recipe Data

This chapter explains how to transfer recipe data.

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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 Utility Manager 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.



Download					
Firmware	МОТТ				
Project					
RW	PLEASE INPUT RECIPE FILE NAME ! Browse				
RW_A	PLEASE INPUT RECIPE_A FILE NAME ! Browse				
Recipe database					
Curter estimat					
System setungs					
Connection © Ethernet	🔘 USB cable				
4 IP HMI Name	e <u>Þ</u>				
IP: 192.168.2.59					
1. 102.100.200					
Reboot HMI after downlo	pad 🔲 Synchronize HMI dock with PC 👘 Delete startup screen	Ŧ.			
Reset recipe	Reset data log Reset event log				
Reset recipe database Delete existing user accord	Reset operation log Reset string table				
Port No. Setting	Password : ****** V Mask Download Exit				

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

- 1. Open Utility Manager 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.



Build Download Data for SD/USB Disk	
Select the folder to save download data :	
PLEASE INPUT FOLDER NAME !	Browse
Sources	
Project	
 √ Recipe (RW)	
PLEASE INPUT RECIPE FILE NAME !	Browse
Image: Recipe A (RW_A) PLEASE INPUT RECIPE_A FILE NAME !	Browse
Recipe A (RW_A) PLEASE INPUT RECIPE_A FILE NAME ! User-defined startup screen	Browse
Image: Constraint of the startup screen	Browse,
Image: Construct of the startup screen	Browse
Recipe A (RW_A) PLEASE INPUT RECIPE_A FILE NAME ! User-defined startup screen	Browse
Recipe A (RW_A) PLEASE INPUT RECIPE_A FILE NAME ! User-defined startup screen	Browse



- When download data is successfully built, two folders can be found. The folder named according to the model used (e.g. emt3000, mt8000ie, mt8000xe, mtv, mtip...etc) is for storing project file, and the folder named 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].



	rity Shape Label
Com	nent :
Source addr	8
PLC :	Local HMI
Address :	L W 🔹 0
Destination a	ddress
PLC :	Local HMI
Address :	L W 🗸 0
Attribute	
No. of	vord : 100
ł	fode : Touch trigger 🔹
Notification	Enable
Notification	Enable
Notification	Enable

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.

