

WEINTEK LABS., INC.

Recipe Import/Export with File Browser

Demo Project

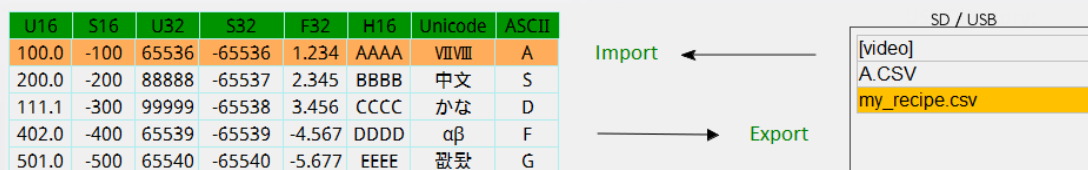
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1. Overview and Operation

Overview

Two new features, Recipe Import/Export and File Browser are added to EasyBuilder Pro. This project demonstrates the combined use of both features and how the file browser facilitates the use of recipe import/ export function.



Operation

MyRecipe

U16	S16	U32	S32	F32	H16	Unicode	ASCII
100.0	-100	65536	-65536	1.234	AAAA	ⅧⅧⅧ	A
200.0	-200	65537	-65537	2.345	BBBB	中文	S
300.0	-300	65538	-65538	3.456	CCCC	かな	D
402.0	-400	65539	-65539	-4.567	DDDD	αβ	F
501.0	-500	65540	-65540	-5.677	EEEE	歌魁	G

Recipe

Insert

Delete

Delete All

Recipe Import/Export

Type or select from current:

Folder Path

Data

File Name

backup.csv

USB Directory:

- [.]
- backup.csv

Import

Export

Export/Overwrite

Recipe Management

Insert: brings out a window for adding an entry to the recipe

Delete: delete current selection

Delete all: delete all recipe records

Recipe Import/Export

Recipe Import/Export: brings out a window showing folder path and file name fields, USB file browser, import and export buttons.

To export current HMI recipe as a .csv file to USB disk:

- Step 1.** Enter Folder Path and File Name to respective fields. For example,
data → Folder Path, backup.csv → File Name.
- Step 2.** Click Export.

To import .csv file to HMI recipe database:

- Step 1.** Select the file to import from USB Directory.
- Step 2.** Click Import.

2. Setting up the Screen

Set up Recipe

Step 1. In [System Parameter Settings], add a recipe.

Step 2. Enter recipe data in [Library]-[Recipe Records].

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Step 3. Add a Recipe View Object.

Step 4. Add Set Word objects using RECIPE-command as addresses.

● **Page 12 New_Recipe**

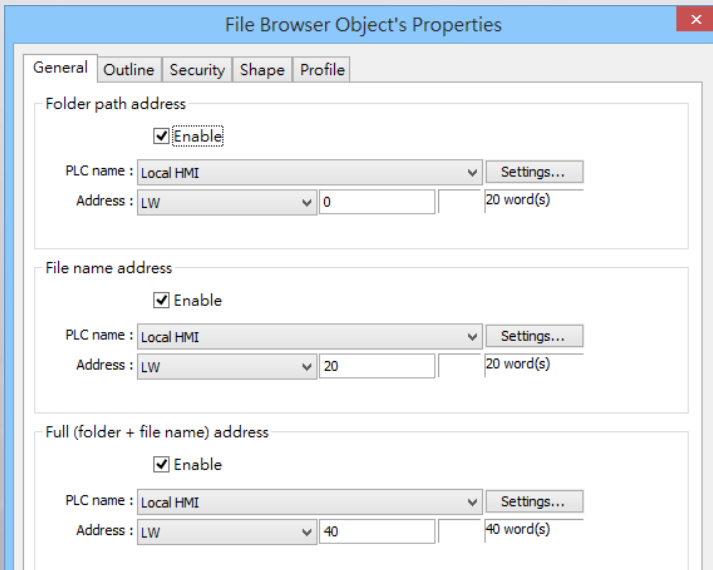
Step 5. Add Numeric or ASCII objects. Set their address and data type to correspond to those of the recipe database.

Step 6. Add Set Word objects using RECIPE-command as addresses.

Set up File Browser

● **Page 11 Import/Export**

Step 1. Create a File Browser object; assign the settings in the General tab according to the following figure:

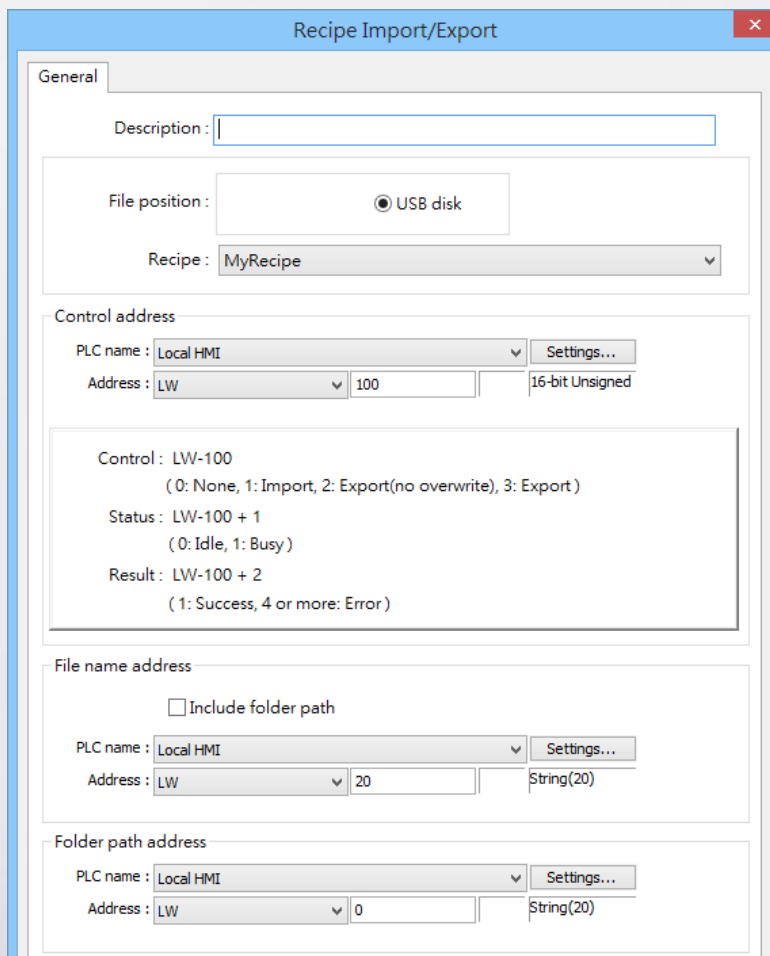


Section	Enable	PLC name	Address	Value	Word(s)
Folder path address	<input checked="" type="checkbox"/>	Local HMI	LW	0	20
File name address	<input checked="" type="checkbox"/>	Local HMI	LW	20	20
Full (folder + file name) address	<input checked="" type="checkbox"/>	Local HMI	LW	40	40

Step 2. Add ASCII objects with address LW-0, LW-20, and No. of word = 20.

Set up Recipe Import/Export Feature

Step 1. Create a new Recipe Import/Export object and assign the settings in the General tab according to the following figure:



Recipe Import/Export

General

Description :

File position : ☒ USB disk

Recipe :

Control address

PLC name :

Address :

Control : LW-100
(0: None, 1: Import, 2: Export(no overwrite), 3: Export)

Status : LW-100 + 1
(0: Idle, 1: Busy)

Result : LW-100 + 2
(1: Success, 4 or more: Error)

File name address

☐ Include folder path

PLC name :

Address :

Folder path address

PLC name :

Address :

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Step 2. Add Set Word objects with address LW-100 as Import/Export buttons.

3. Addresses

The addresses of objects used in this demonstration are listed below.

Object	Address	Description
Window 10		
Set Bit	LB-10	Open pop-up window to add recipe
Set Word	RECIPE-command	Delete recipe
Set Bit	LB-20	Open pop-up window to import/export recipe
Window 11		
ASCII	LW-0	Folder path display
ASCII	LW-20	File name display
Set Word	LW-100	Import/Export/Export with Overwrite
File Browser	LW-0	Folder path
File Browser	LW-20	Folder name
Window 12		
Numeric	RECIPE	Recipe address
ASCII	RECIPE	Recipe address
Set Word	RECIPE-command	Add new recipe
Other		
Recipe Import/Export	LW-100, LW-20, LW-0	Control address, File name address, Folder path address