SAM4S PC UTILITY

eSpresso

User Guide V1.3

SAM4S

Contents

CHAPTER 1. INTRODUCTION 4

1.1 About eSpresso 4

1.2 Operating environment 4

1.2.1 Hardware Requirements 4

1.2.2 Operating System 4

1.2.3 Prerequisites 4

CHAPTER 2. Getting Started 5

2.1 ECR Settings 5

2.1.1 Serial Communication 5

2.1.2 Ethernet Communication 5

2.2 Utility Settings 7

2.2.1 Set store and register 7

2.3 Main dialog 8

2.4 ECR Information & Check Status 9

CHAPTER 3. OPERATIONS 10

3.1 Upload and Download Program 10

3.2 Edit Program 11

3.2.1 PLU 12

3.2.2. GROUP 14

3.2.3 TAX 15

3.2.4 OPTIONS 16

3.2.5 TIME SCHEDULE 17

3.2.6 FUNCTION KEY 18

3.2.7 CLERK 19

3.2.8 LOGO DESCTIPTION 20

3.2.9 STOCK 21

3.2.10 NLU 22

3.2.11 MACRO 23

3.2.12 KEYBOARD LAYOUT 24

3.2.13 PORT 25

3.2.14 MIX & MATCH 26

3.2.15 MEMORY ALLOCATION 27

3.2.16 IMAGE LOGO 28

3.3 Convert Program Files 29

3.4 Poll Report 30

3.4 View Report 31

3.5 Auto Poll Report 32

CHAPTER 4. SETTINGS 33

APPENDIX 34

CHAPTER 1. INTRODUCTION

1.1 About eSpresso

eSpresso is a PC Utility program that can modify program data and upload sales data from Sam4s NR Series ECR. eSpresso also has report viewer in it.

1.2 Operating environment

1.2.1 Hardware Requirements

- Recommended Minimum: Pentium 1 GHz or higher with 512 MB RAM or more
- Minimum disk space: x86 – 850 MB / x64 – 2 GB

1.2.2 Operating System

- Windows XP SP3 or later

1.2.3 Prerequisites

- .Net Framework 4.0 or later

1.2.4 Support Sam4s ECR models

- NR-300, NR-400, NR-500, ER-230EJ, ER-260EJ

CHAPTER 2. Getting Started

2.1 ECR Settings

To start communication between eSpresso and ECR, below setup shall be done first.

2.1.1 Serial Communication

1. Connect Serial cable between ECR and PC.
2. ECR에서 S mode → 5.DEFINE PORT → 1.PORT 1 → 5.DEVICE → PC
3. ECR에서 S mode → 5.DEFINE PORT → 1.PORT 1 → 1.BAUD RATE → Same value of PC

※ After ECR Setup, ECR's menu position shall be located in the highest menu level. Not in the sub menu level. Communication can start only in highest menu level of the ECR.

2.1.2 Ethernet Communication

Connect LAN Cable between ECR and PC or network sharer which PC is connected to.

◎ ECR Side Setting

S mode → 6.ECR SETUP → 4.SET NETWORK → 7.ETHERNET USE → ALWAYS ON

- MANUALLY OFF : ECR Ethernet server function inactive.
- MANUALLY ON : ECR Ethernet server function active. If you exit from PC communication mode, then ECR Ethernet server function will be inactive again.
- ALWAYS ON : ECR Ethernet server function is always active even though you exit from PC communication mode.

[Connection Type DHCP]

1. S mode → 6.ECR SETUP → 4.SET NETWORK → 1. USE DHCP → Y

[Connection Type Manual]

1. S mode → 6.ECR SETUP → 4.SETNETWORK → 1. USE DHCP → N
2. S mode → 6.ECR SETUP → 4.SETNETWORK → 2. ECR IP (ex:192.168.0.2)

3. S mode → 6.ECR SETUP → 4.SETNETWORK → 3. ECR SUBNET (ex:255.255.255.0)

4. S mode → 6.ECR SETUP → 4.SETNETWORK → 4. ECR GATEWAY(ex 192.168.0.1)

◎ PC Side Setting

[Create ECR Automatically]

1. Press button to search register.

2. When "ECR found!" pop-up show, Press YES button.

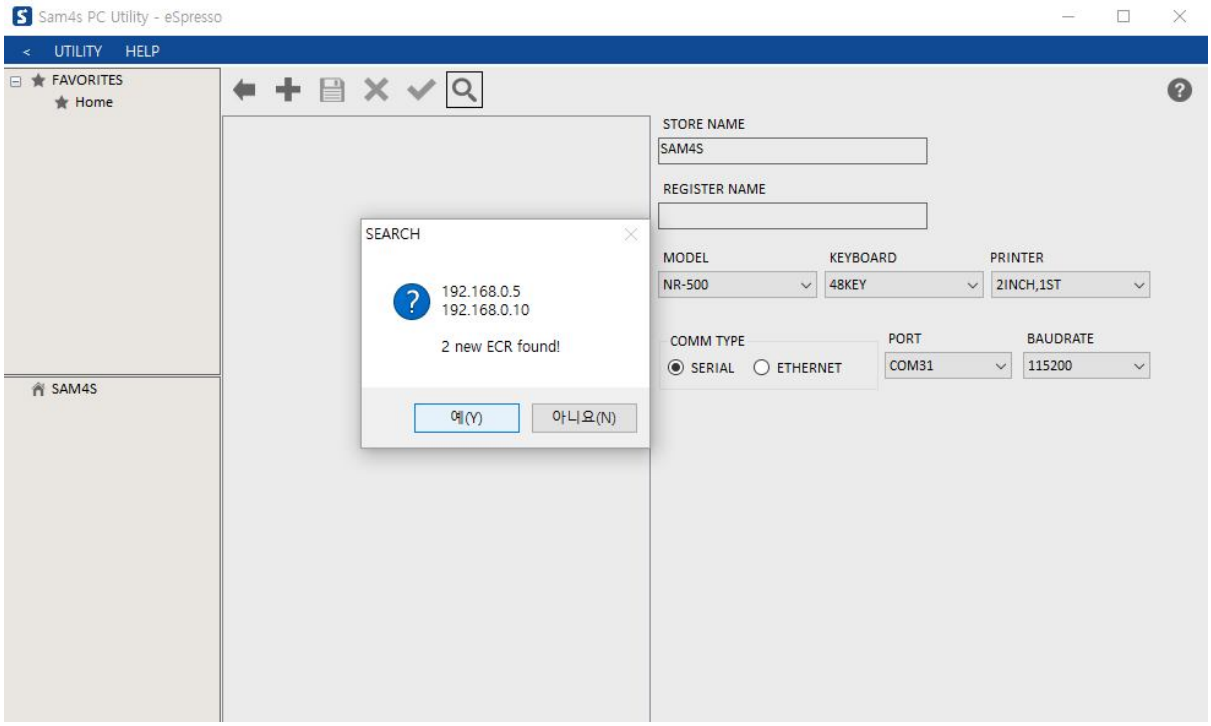
[Create ECR Manually]

1. Input REGISTER NAME.

2. Select ETHERNET in COMM TYPE.

3. Input ECR IP ADDRESS.

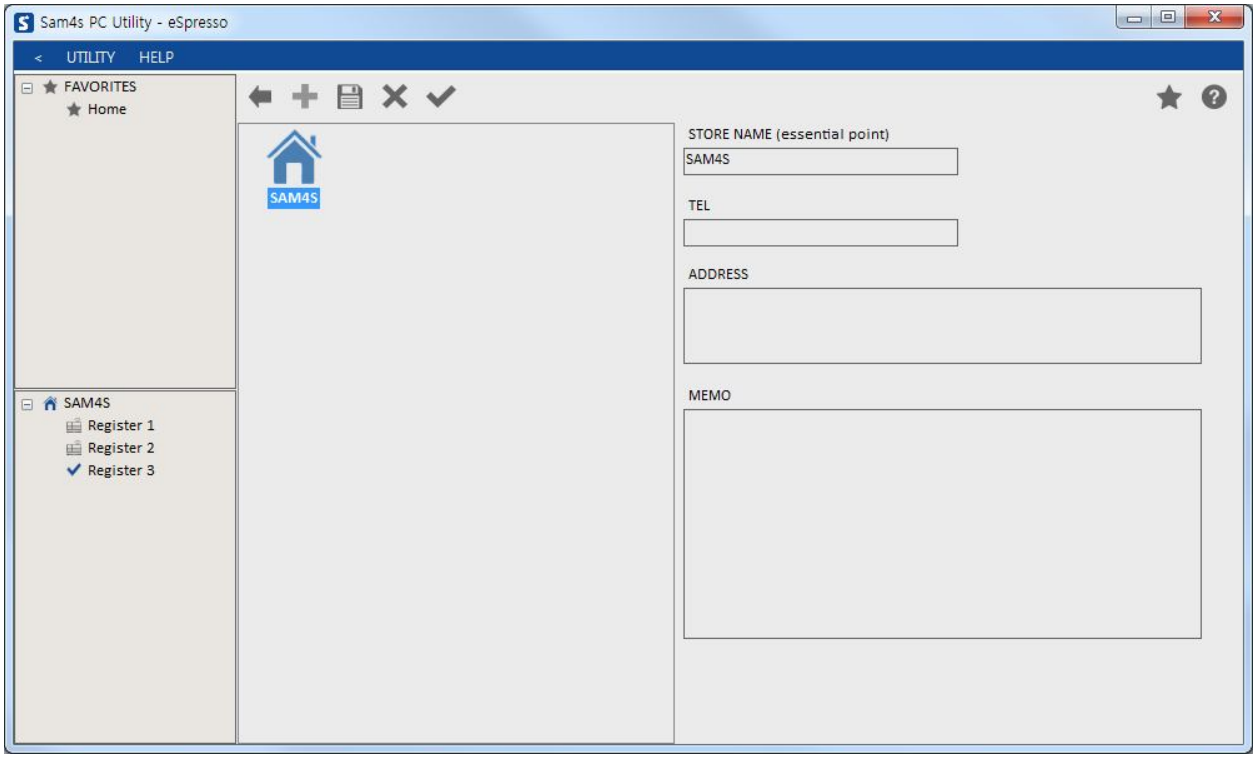
4. Press button to create register.



2.2 Utility Settings

2.2.1 Set store and register

[SCREEN]



[DESCRIPTION]

- In this menu, you can create, edit and delete Store and ECR.

[HOW TO CREATE STORE]

1. Fill store information (STORE NAME) in the list.
2. Press ✚ button to create store.

[HOW TO CREATE REGISTER OF THE STORE]

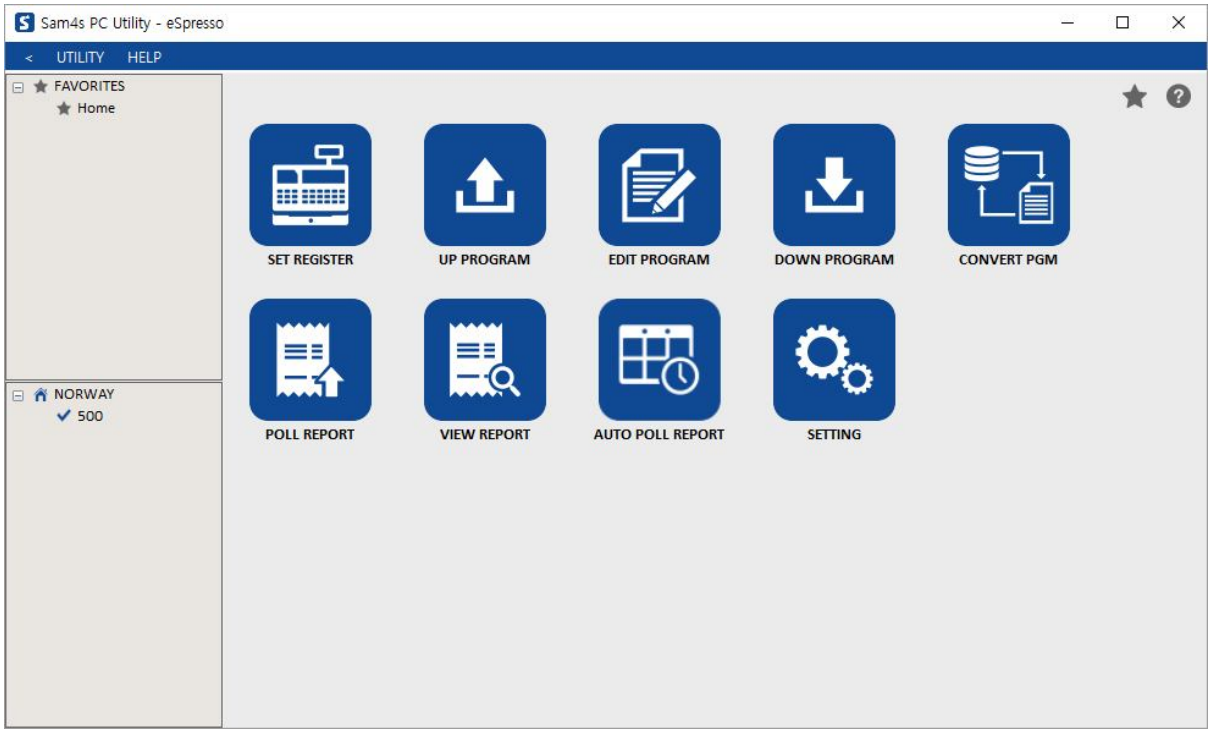
1. Double click "store icon" or click ✔ button.
2. Fill ECR information (REGISTER NAME, MODEL, KEYBOARD etc) in the list.
3. Press ✚ button to save information and finish creating register.

[TIP]

- You must input store name and register name.
- You cannot use the same name.

2.3 Main dialog

[SCREEN]



[DESCRIPTION]

- Above screen is main screen of eSpresso. Menu bars are located on the top, Favorites list is located on the left top. Registered ECR list is located on the left bottom.

[FAVORITE LIST]

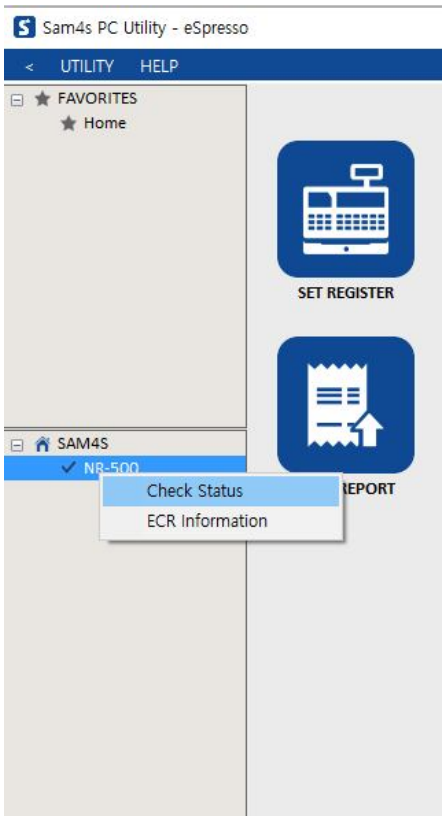
- ★ Button can register current position to the favorites list.
- "DOUBLE CLICK" of Favorite Menu can go to the menu directly.
- "Right CLICK" of Favorite Menu can operate Open, Rename, Delete jobs.

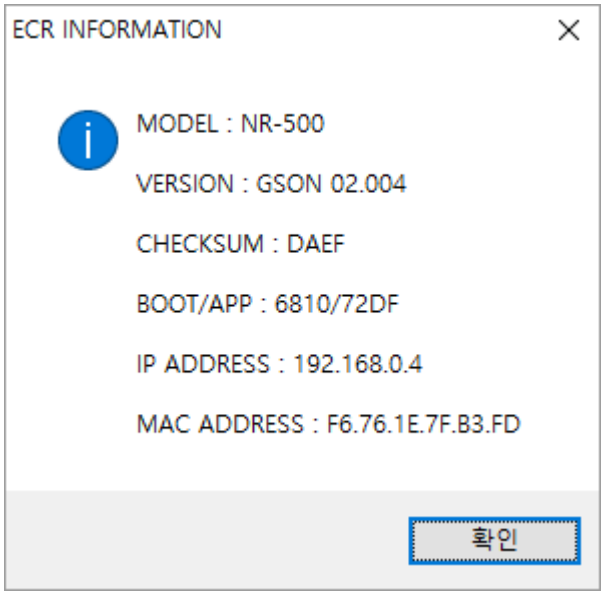
[ECR LIST]

- Registered ECRs are displayed in this list. Current selected ECR has the mark ✔.
- You can change ECR which you want to edit with "DOUBLE CLICK" of the ECR.

2.4 ECR Information & Check Status

[SCREEN]





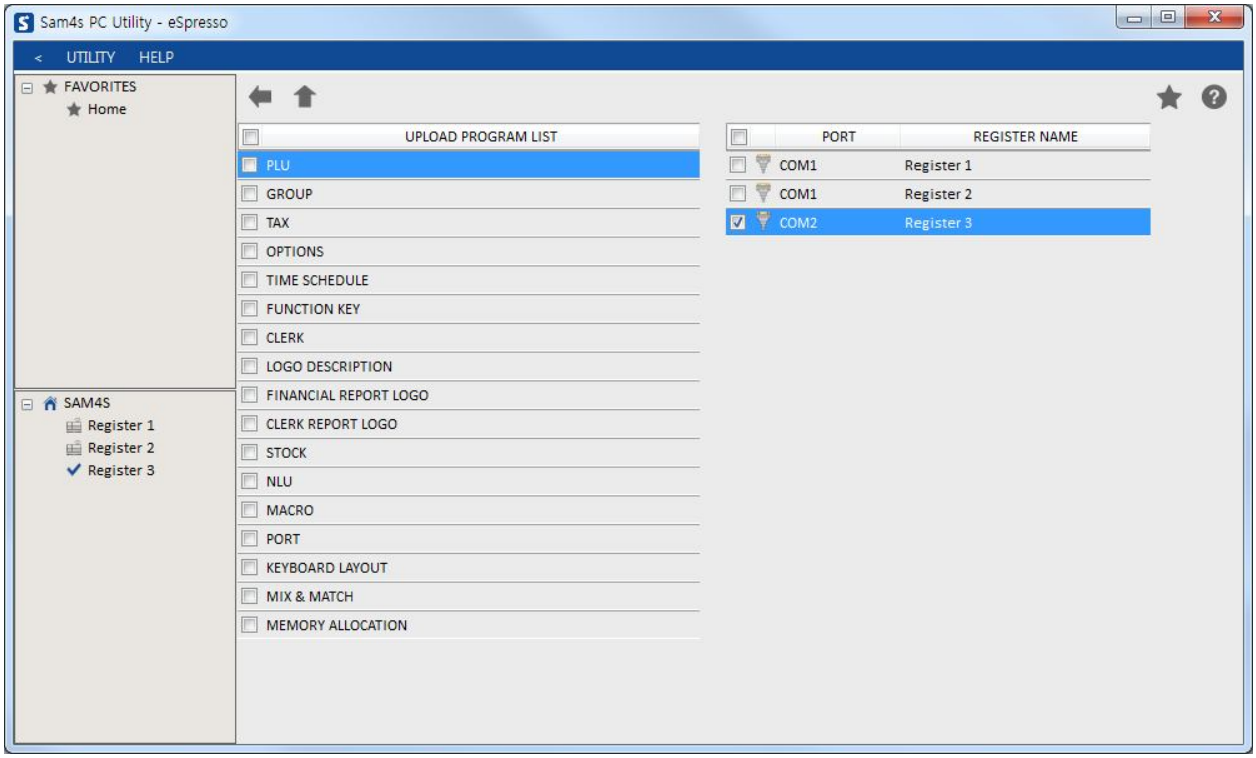
[DESCRIPTION]

- Mouse Right Click on the ECR in the ECR LIST then you can see menu strip.
- Check Status is communication status checking.
- Click the ECR Information menu, you can see ECR Information.

CHAPTER 3. OPERATIONS

3.1 Upload and Download Program

[SCREEN]



[DESCRIPTION]

- You can upload and download program data in this menu.

[HOW TO USE]

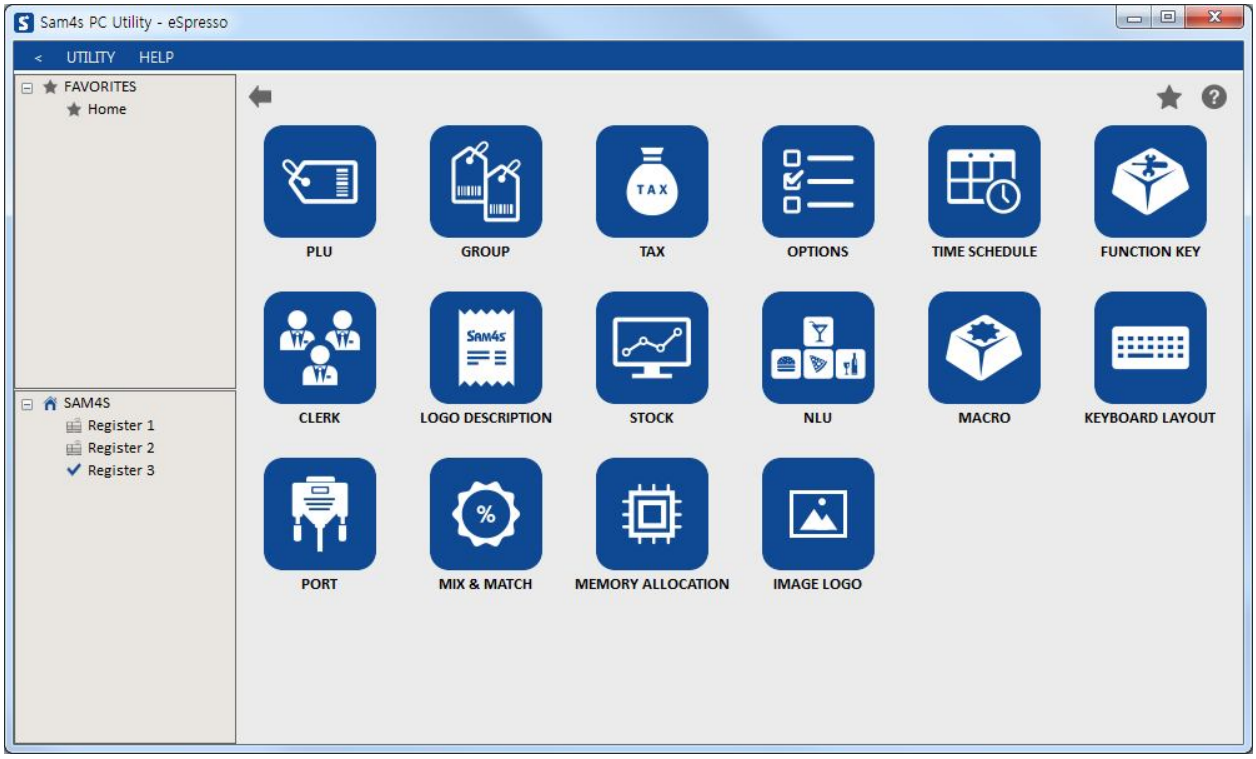
1. Select the Items that you want to upload/download. (Multiple selection is possible.)
2. Select the register that you are trying to connect.
3. Click the ⬆ / ⬇ button.

[TIP]

- You can communicate multiple ECRs at the same time.
- Before using utility, you had better upload the all ECR data.
- Then you can program data under the same condition with ECR and PC.

3.2 Edit Program

[SCREEN]



[DESCRIPTION]

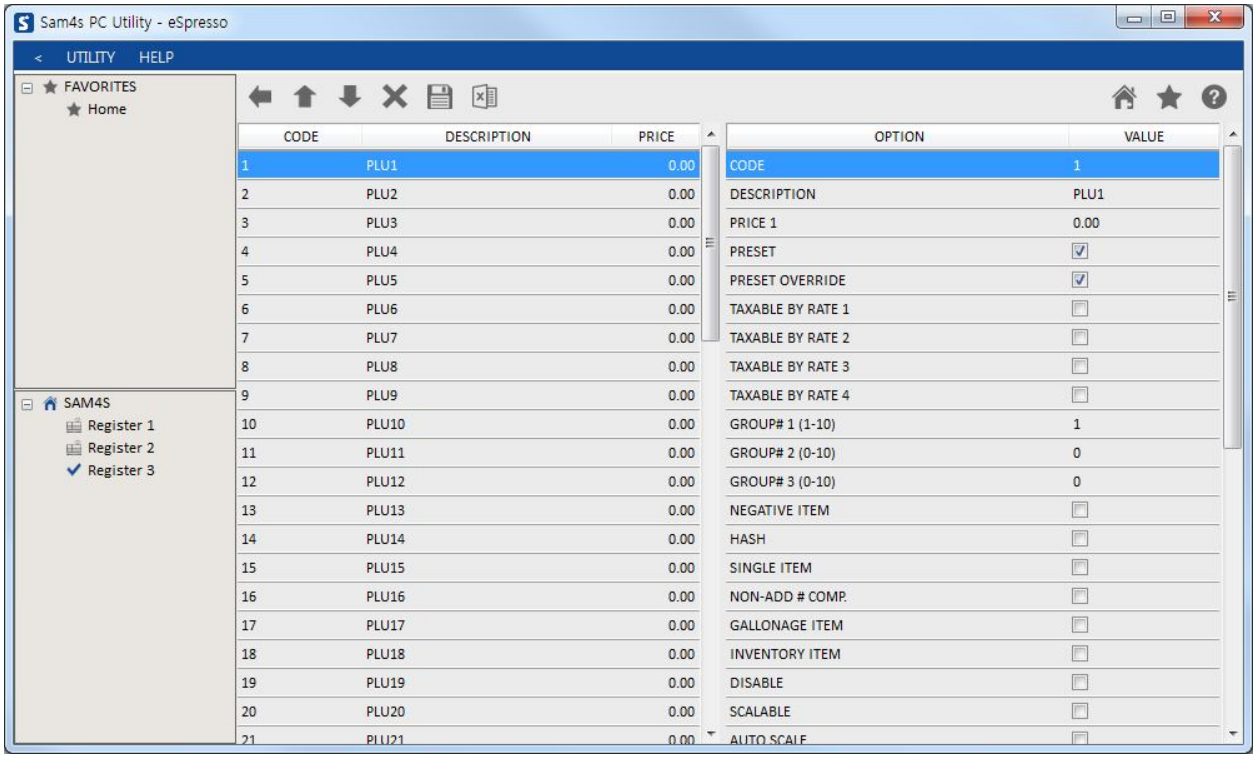
- Above screen is ECR Program List. You can edit Program data which was uploaded from ECR.

[TIP]

- When you edit all descriptors, special character '~' is used for bold type character. You can make bold character with adding character to the next of '~'. Only '~'character will be ignored as character.

3.2.1 PLU

[SCREEN]



[DESCRIPTION]

- In this menu, you can create, edit and deleted PLU data.

[HOW TO USE]

1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[HOW TO CREATE PLU]

1. Input new PLU code in CODE of option list.
2. Press ENTER key on your keyboard.

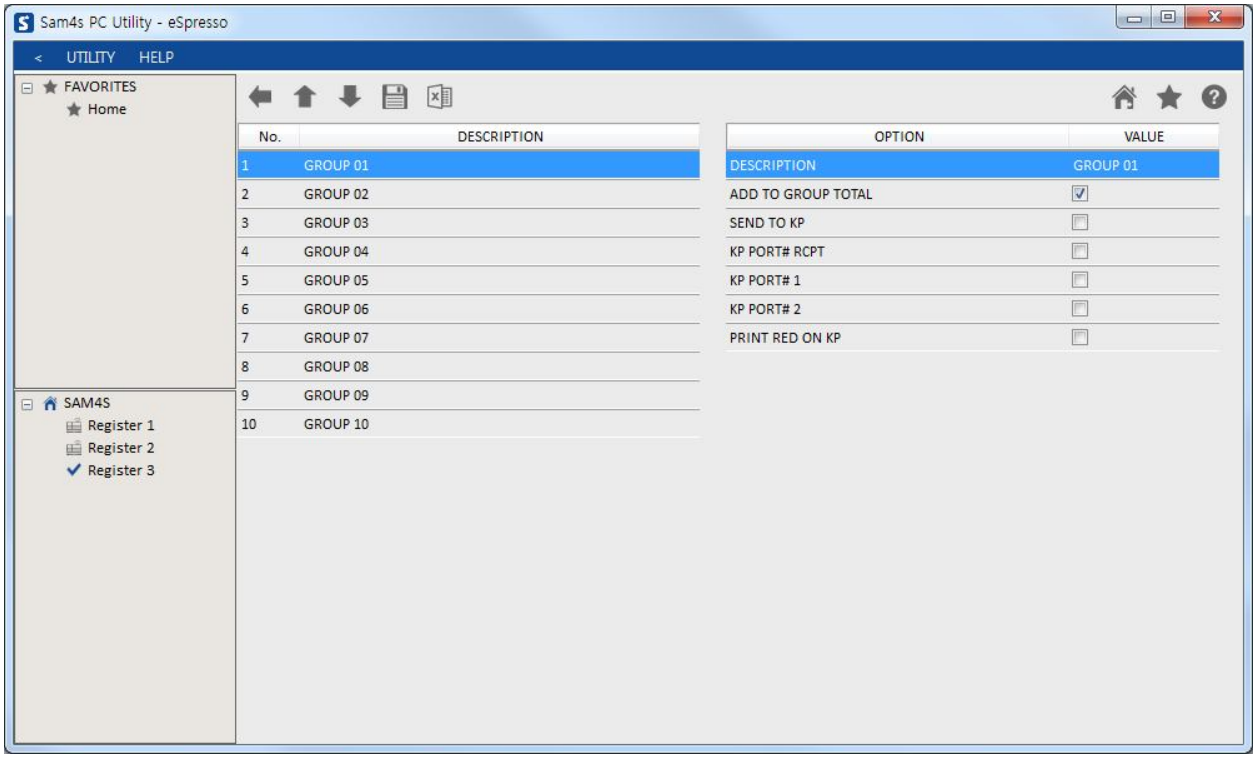
[TIP]

- Select PLUs as a range, Edit, save at once. (Except Code, Description)
- Select PLUs as a range, Delete at once.
- Possible to export and import to the Excel(CSV) File. (Data structure shall be same first)

- (Export): Raw data of Utility can be saved to the CSV format and editable in the Excel program.
- (Import): Import from CSV file to Utility's raw data format.

3.2.2. GROUP

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit Group data.

[HOW TO USE]

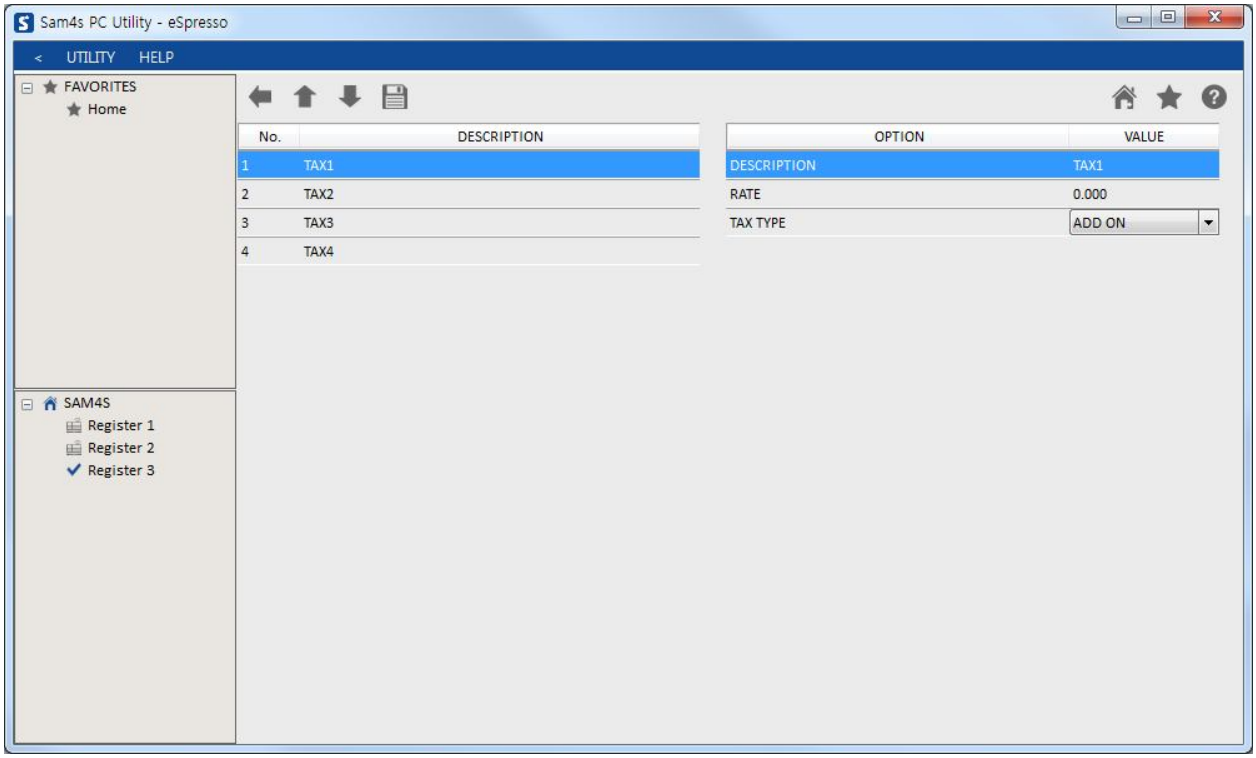
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- Select multiple items as a range, Edit, save at once. (Except Description)
- Possible to export and import to the Excel(CSV) File. (Data structure shall be same first)
- (Export): Raw data of Utility can be saved to the CSV format and editable in the Excel program.
- (Import): Import from CSV file to Utility's raw data format.

3.2.3 TAX

[SCREEN]



[DESCRIPTION]

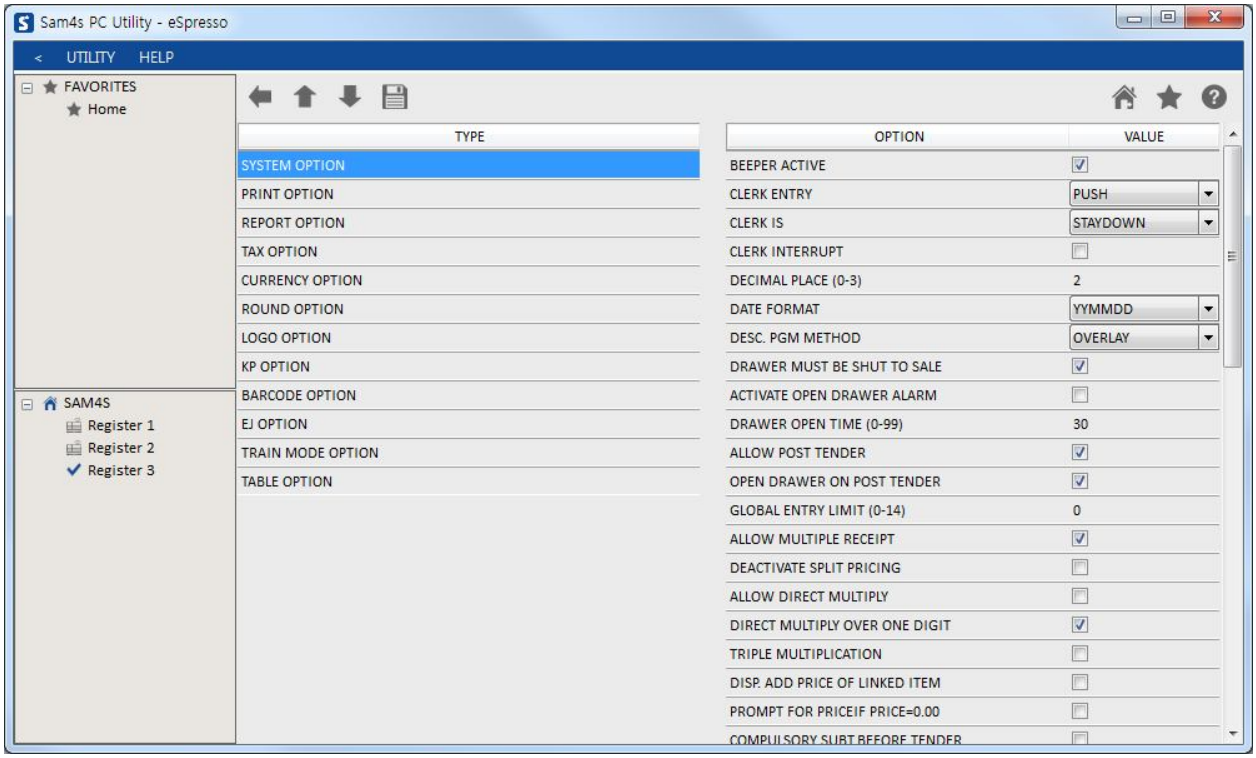
- In this menu, you can edit Tax data.

[HOW TO USE]

1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

3.2.4 OPTIONS

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit programming options.

[HOW TO USE]

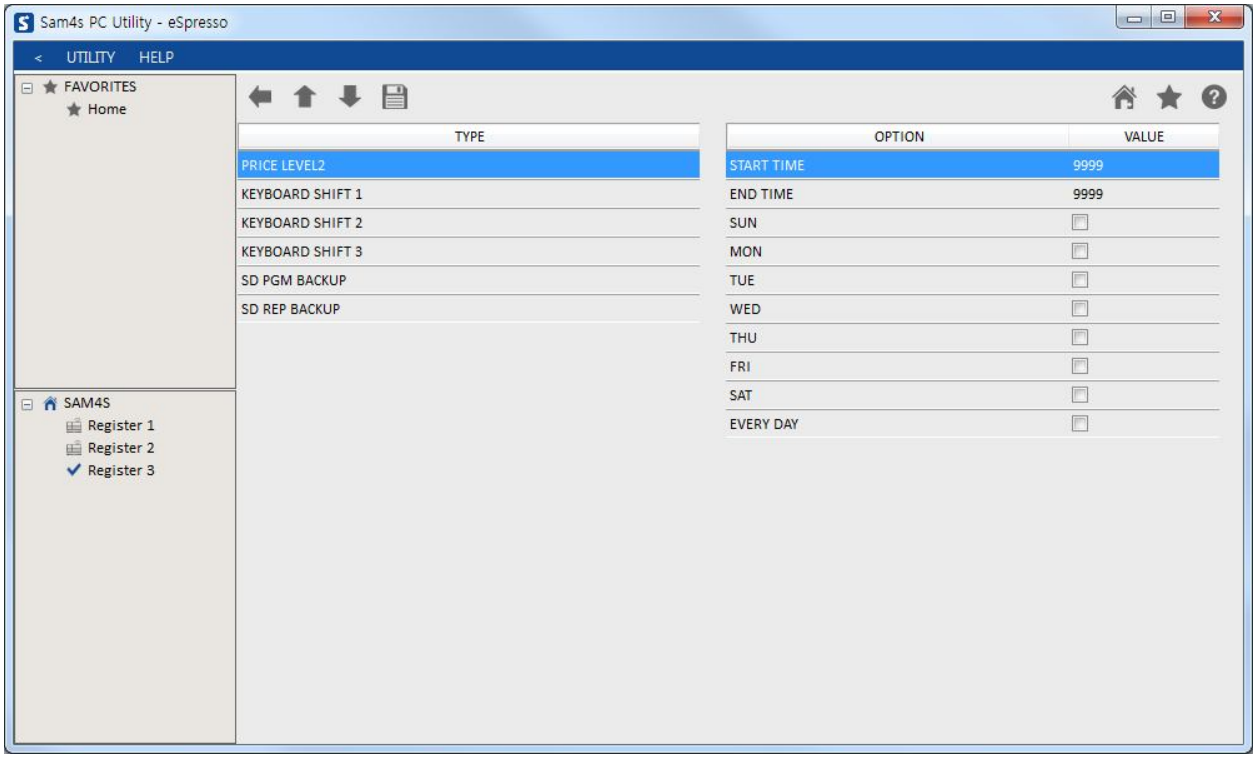
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- Options are different according to the ECR Model

3.2.5 TIME SCHEDULE

[SCREEN]



[DESCRIPTION]

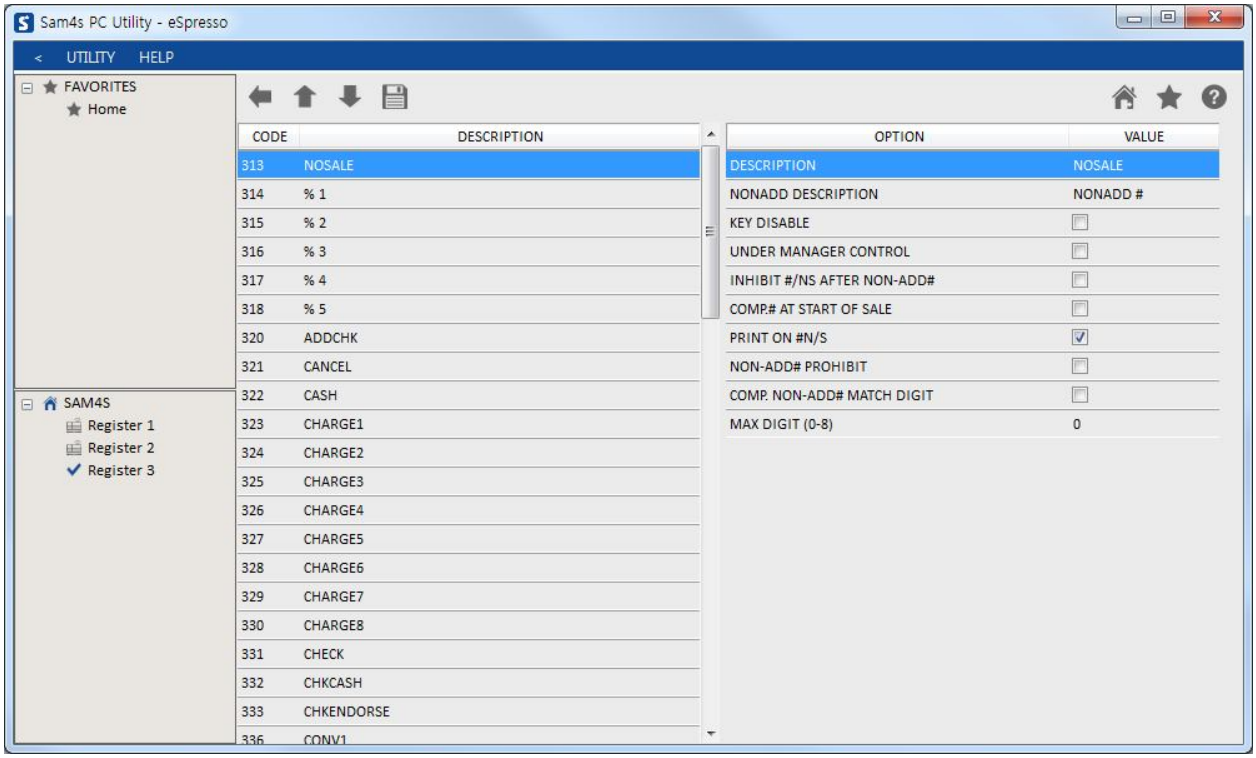
- In this menu, you can edit scheduled time jobs.
- Value of Price Level and KBD Shift is applied differently depending on the days and times.

[HOW TO USE]

1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

3.2.6 FUNCTION KEY

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit each function key data.

[HOW TO USE]

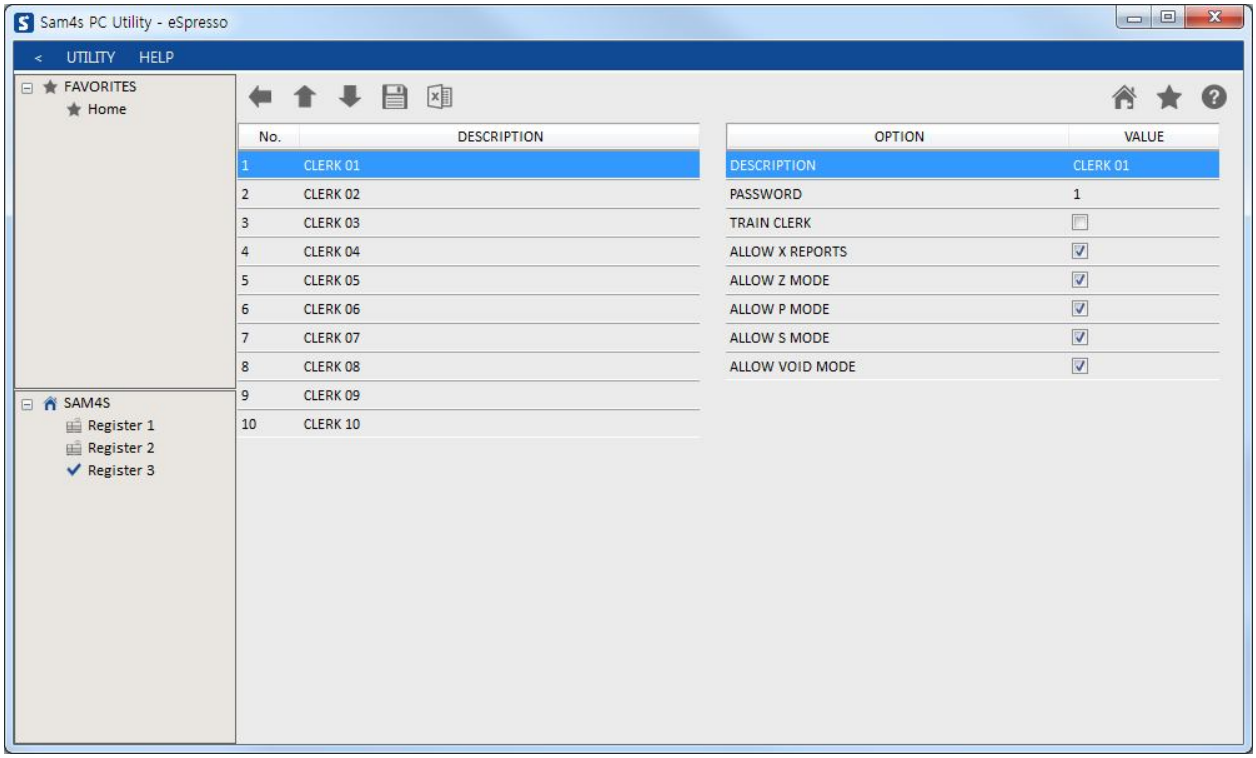
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- Function key items can be different according to the ECR models.

3.2.7 CLERK

[SCREEN]



[DESCRIPTION]

- In this menu, you menu can edit Clerk data.

[HOW TO USE]

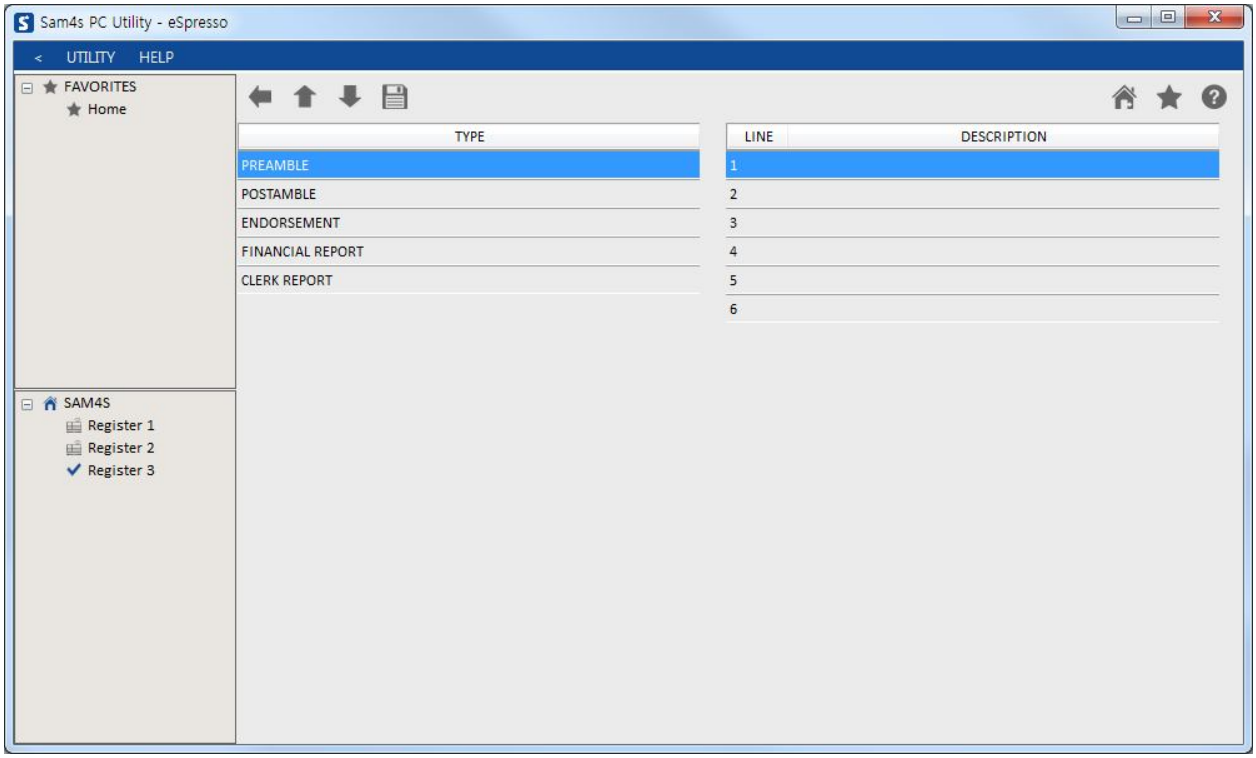
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- Select multiple items as a range, Edit, save at once. (Except Description, Password)
- Possible to export and import to the Excel(CSV) File. (Data structure shall be same first)
- (Export): Raw data of Utility can be saved to the CSV format and editable in the Excel program.
- (Import): Import from CSV file to Utility's raw data format.

3.2.8 LOGO DESCTIPTION

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit Logo description data.

[HOW TO USE]

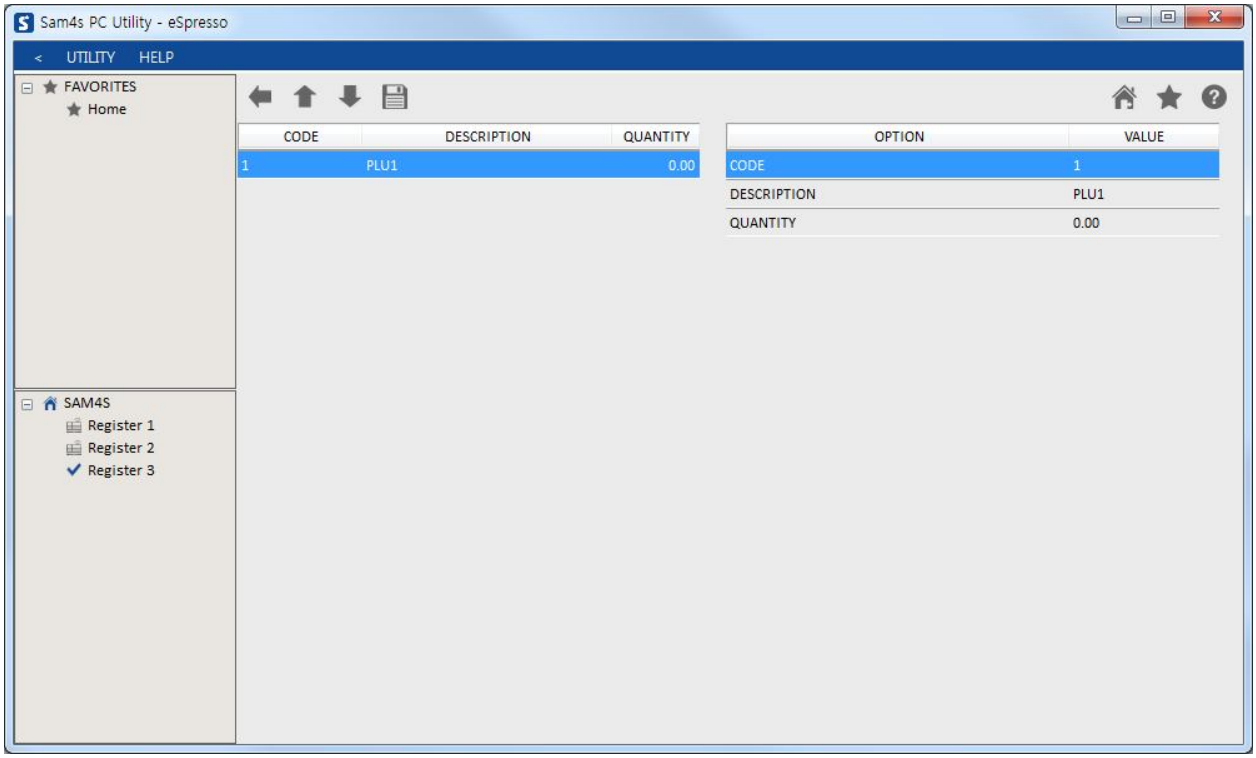
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- You can make bold type character with adding one character to the '~' character.
- When you upload or download, first select the type on left list.

3.2.9 STOCK

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit Stock data.

[HOW TO USE]

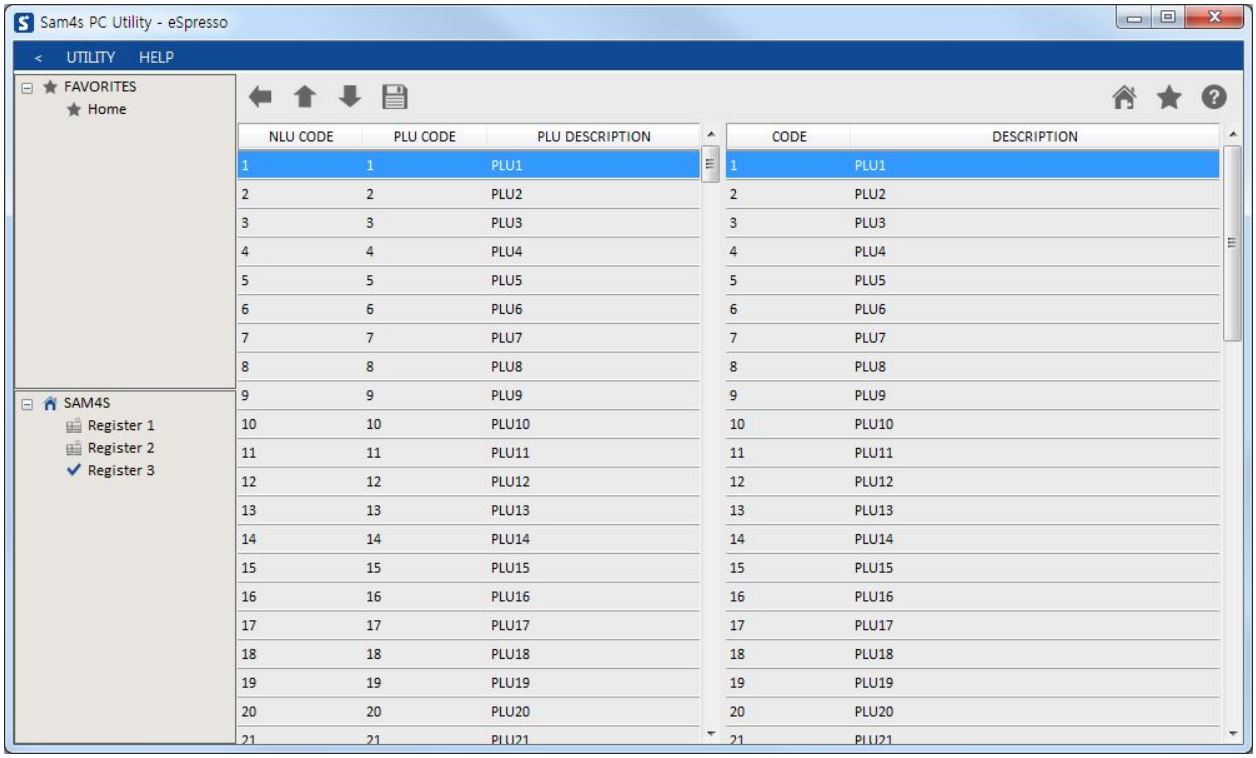
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- Select multiple items as a range, Edit, save at once. (Except Quantity)
- Only inventory PLUs are displayed.(Inventory Items option is YES)
  (You can program Inventory item in the "Edit Program - PLU")

3.2.10 NLU

[SCREEN]



[DESCRIPTION]

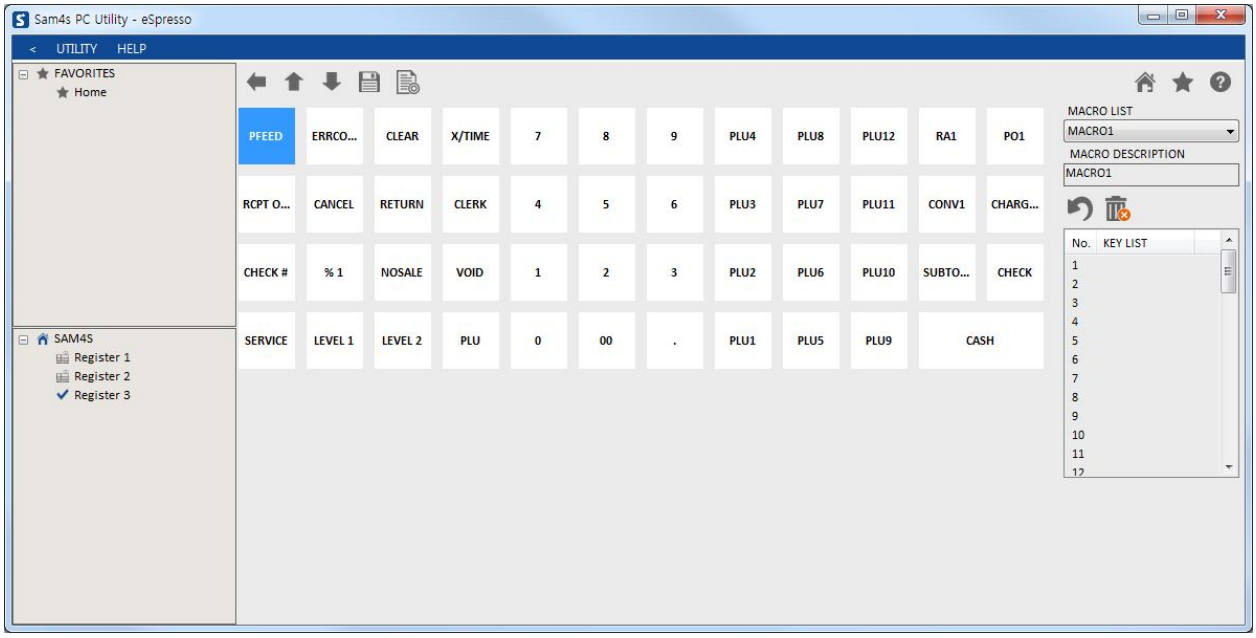
- In this menu, you can edit NLU data.

[HOW TO USE]

1. Select item that you want to edit in list on the left.
2. Double click item that you want to adjust in list on the right.
3. Press the button and save the data.

3.2.11 MACRO

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit Macro data.

[HOW TO USE]

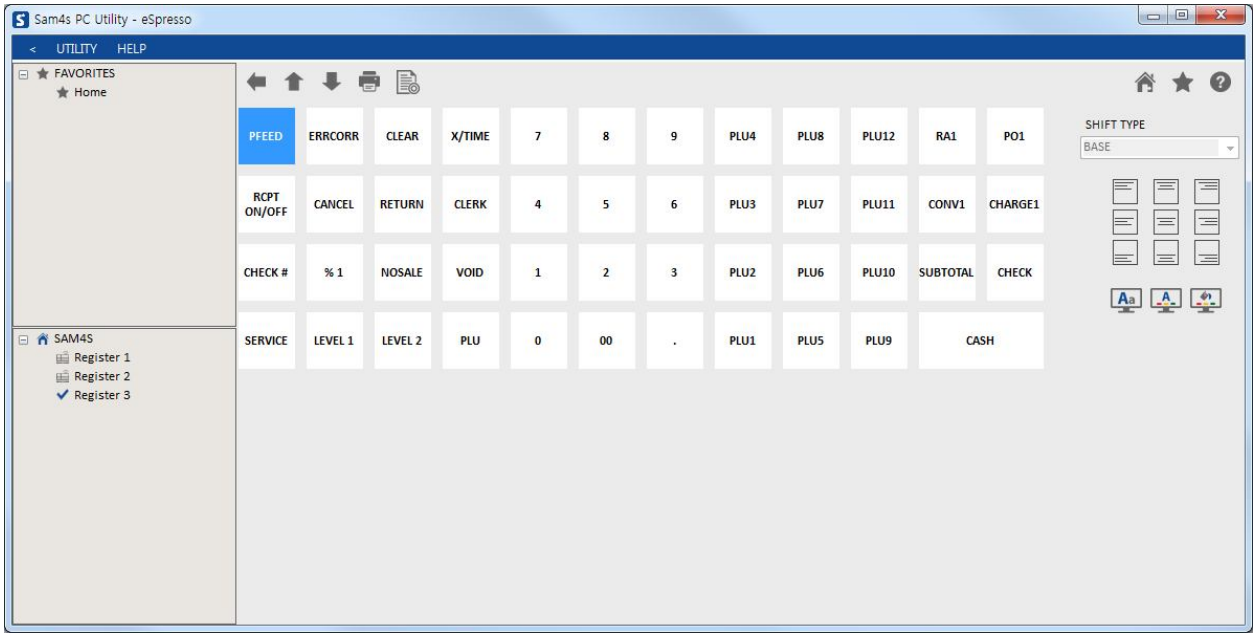
1. Select key that you want to macro on the keyboard
2. Press the button and save the data.

[TIP]

- If you want to see all key then press the button.
- You can delete or through buttons.

3.2.12 KEYBOARD LAYOUT

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit and print Keyboard layout.

[HOW TO USE]

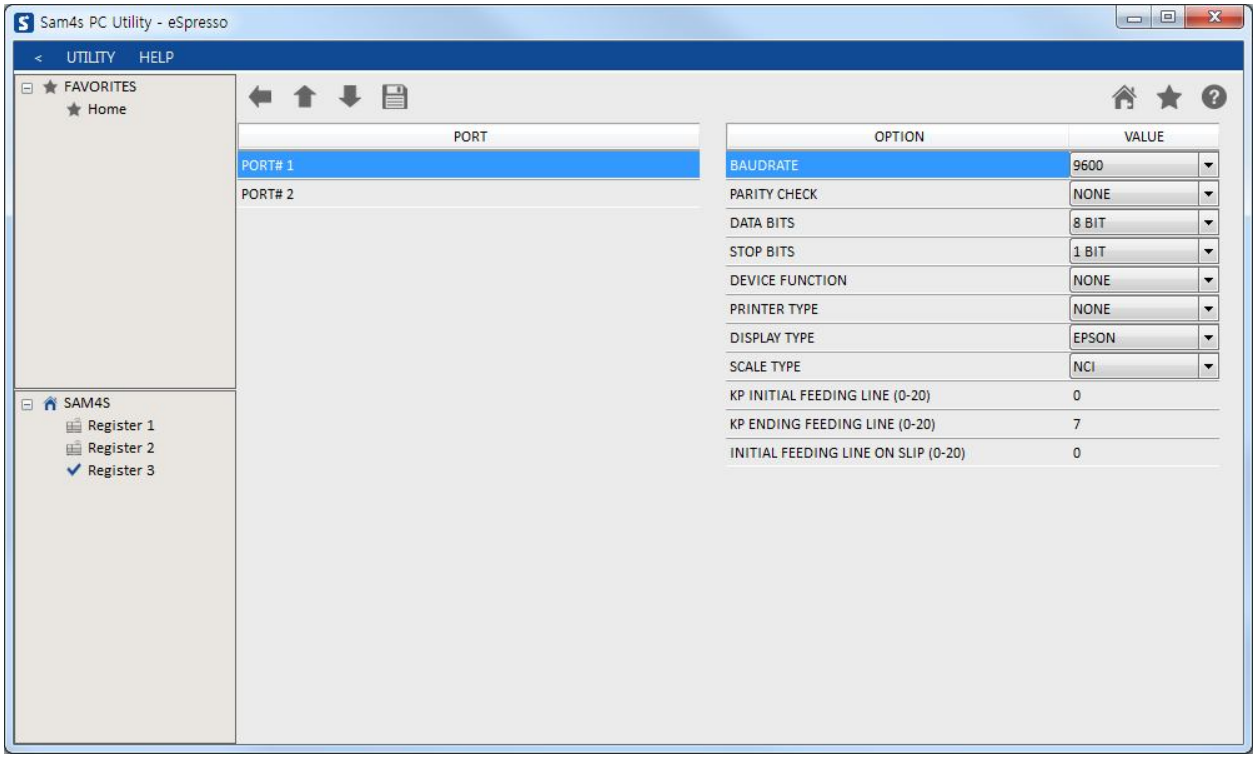
1. Select key that you want to assign on the keyboard
2. Press button.
3. Double click key that you want to assign on the list.

[TIP]

- Keyboard layout is different according to the ECR models.
- Model which has SHIFT key function can edit with selecting SHIFT TYPE.
- You can change font, align and color through buttons.
- You can print keyboard layout and change keyboard layout of your machine with printed one.

3.2.13 PORT

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit serial port data.

[HOW TO USE]

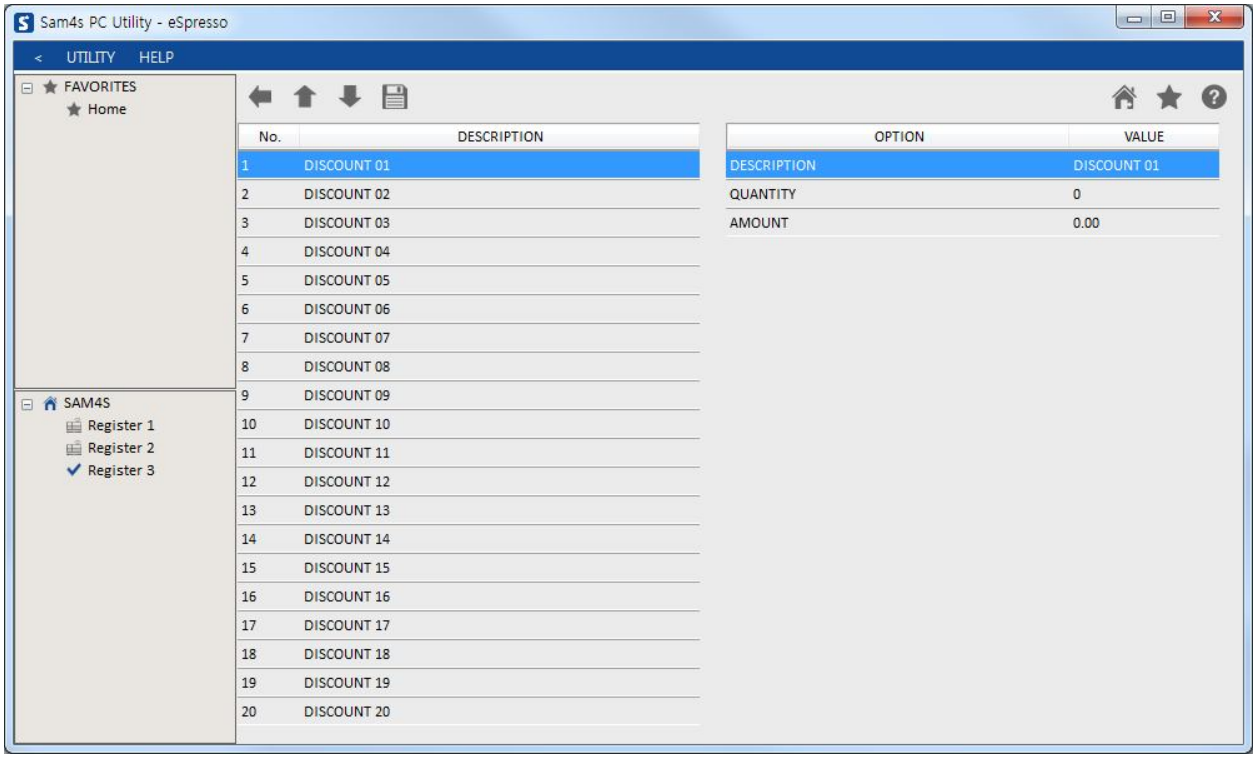
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- If you change serial port settings which are used currently, then communication can stop abnormally.

3.2.14 MIX & MATCH

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit Mix & Match data.

[HOW TO USE]

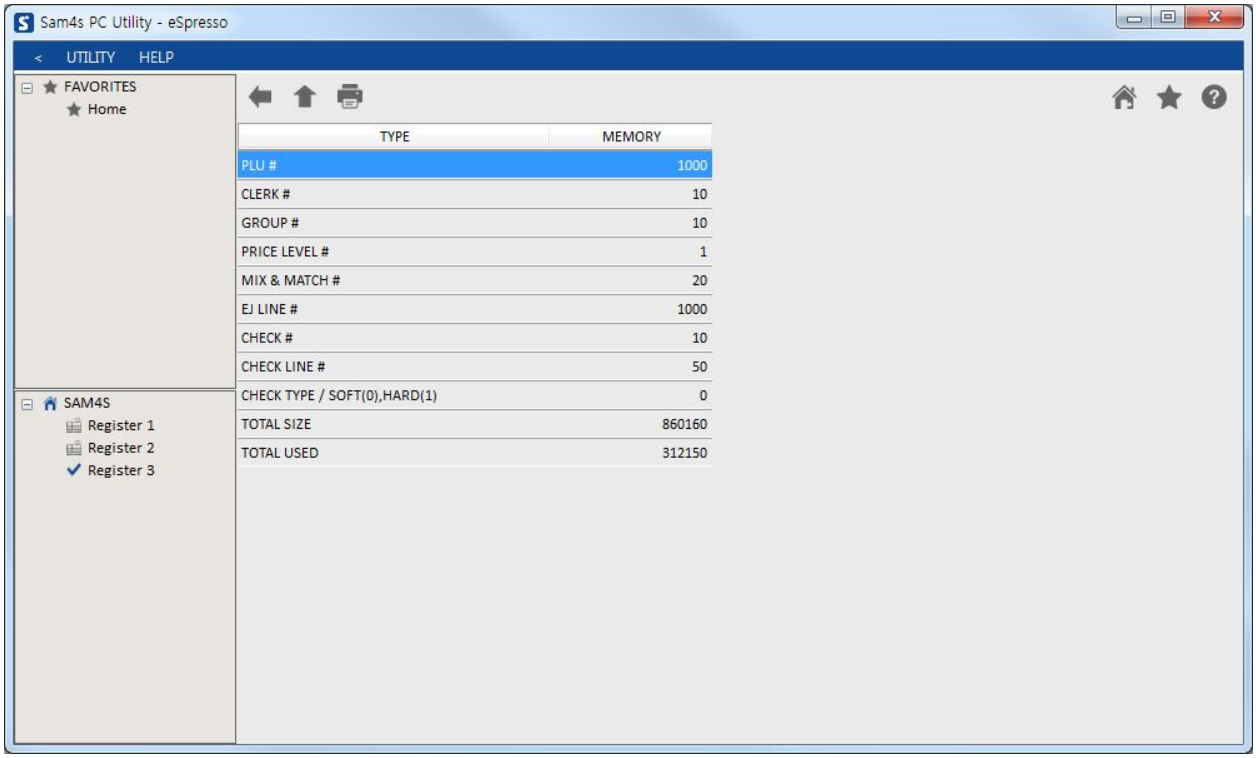
1. Select item that you want to edit in list on the left.
2. Edit selected item in list on the right.
3. Press the button and save the data.

[TIP]

- Select multiple items as a range, Edit, save at once. (Except Description)

3.2.15 MEMORY ALLOCATION

[SCREEN]



[DESCRIPTION]

- In this menu, you can see Memory allocation information.

[HOW TO USE]

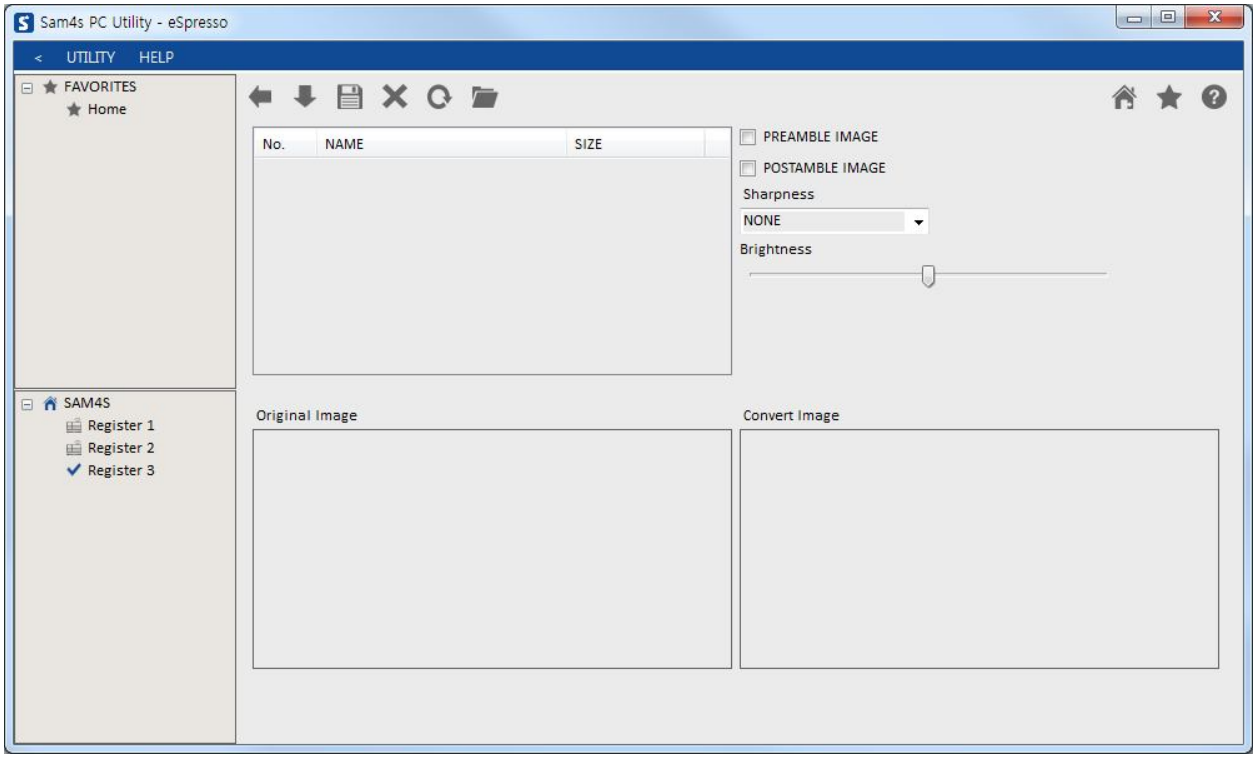
1. Press the button.

[TIP]

- It is not possible to edit Memory allocation.
  Only possible to Upload and View memory allocation.

3.2.16 IMAGE LOGO

[SCREEN]



[DESCRIPTION]

- In this menu, you can edit and setup image.

[HOW TO USE]

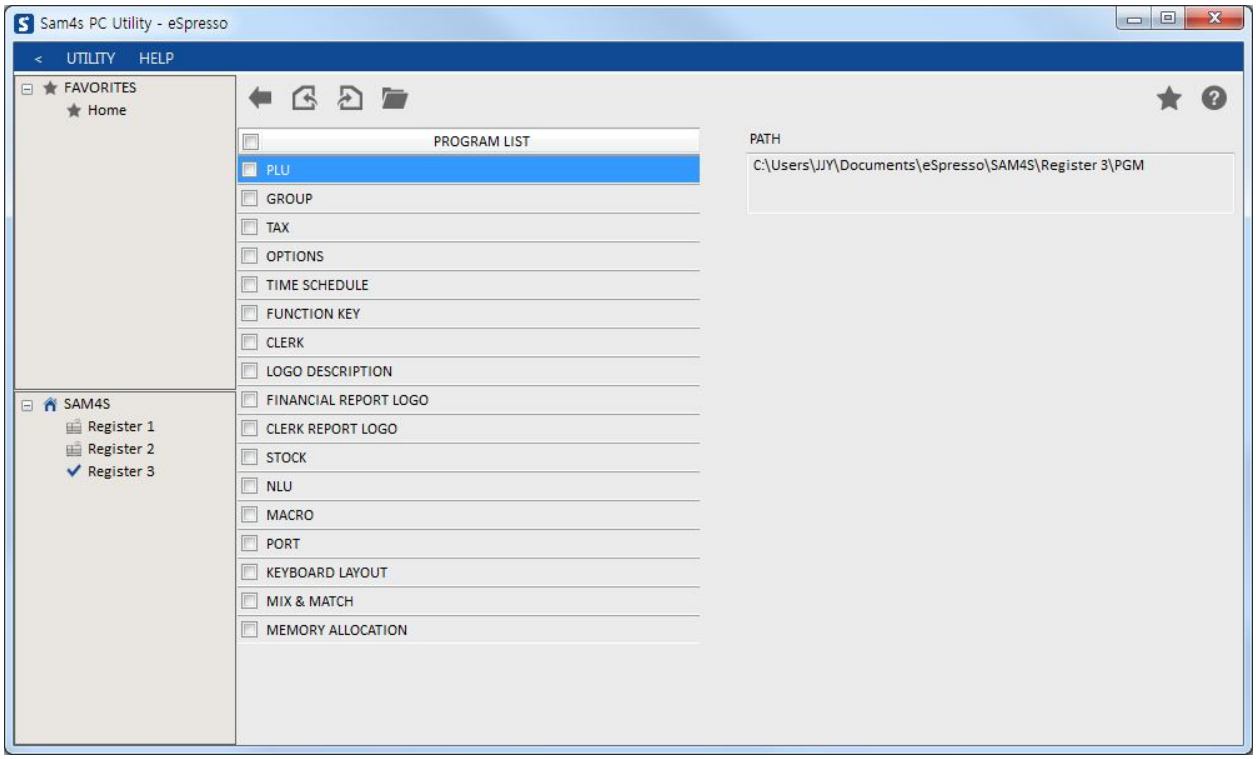
1. Press button and get the image.
2. Check USE THE PREAMBLE IMAGE or POSTAMBLE IMAGE check box.
3. Press button.

[TIP]

- You can adjust light
- You can change brightness and resolution of image.

3.3 Convert Program Files

[SCREEN]



[DESCRIPTION]

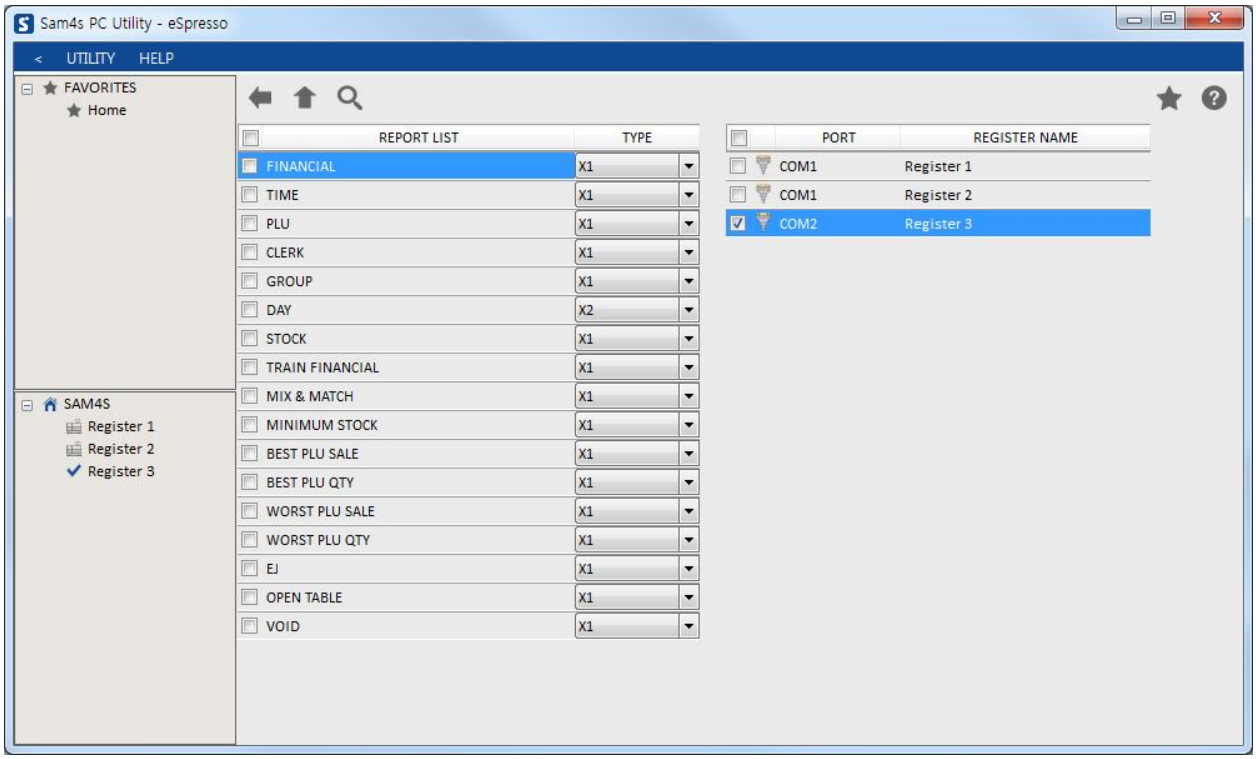
- In this menu, you can export data stored in the DB of PC utility to PGM format file.
- You can also import PGM format file and store it to the DB of PC utility.
- Convert the contents of the DB to PGM file. (or PGM file to DB).

[HOW TO USE]

1. Select the items that you want to convert.
2. Set the export path.
3. Click the (Export) or (Import) button that you want.

3.4 Poll Report

[SCREEN]



[DESCRIPTION]

- In this menu, you can upload report data that you want to see.

[HOW TO USE]

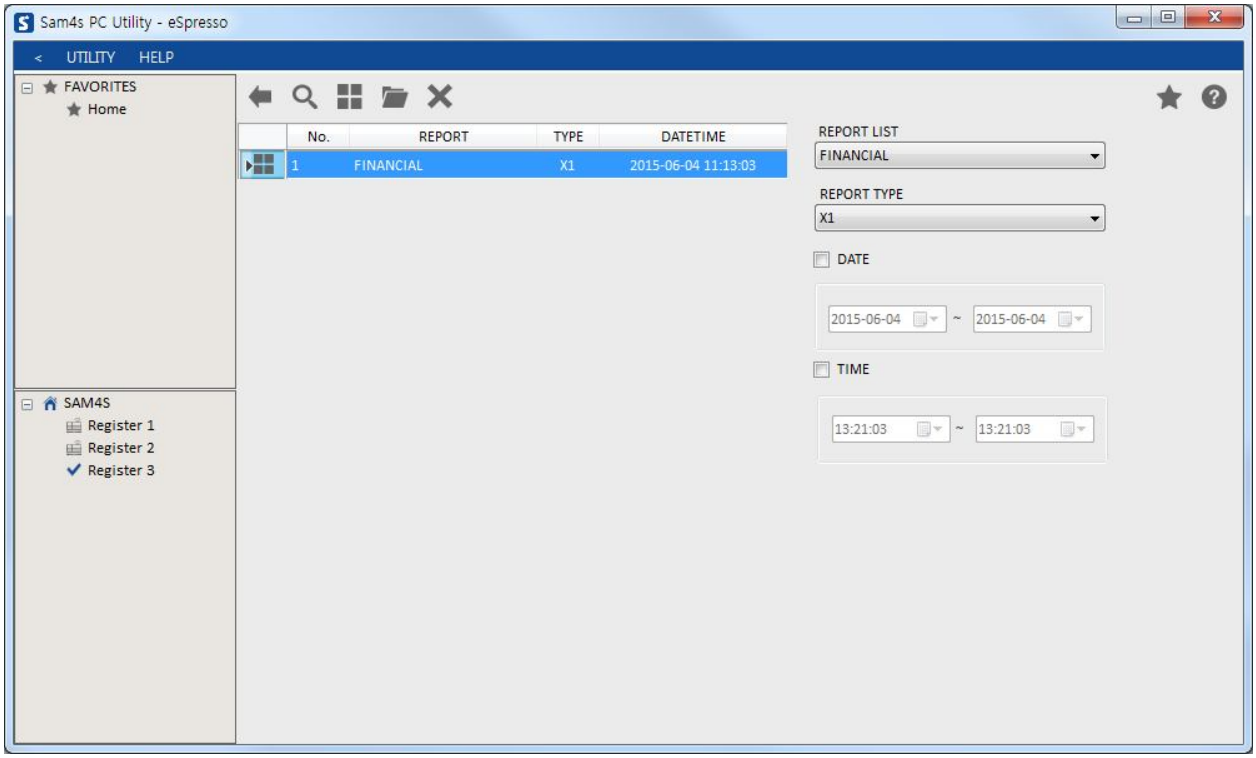
1. Select the report that you want to upload. (Multiple selection is not possible.)
2. Select the type of report.
3. Select the register that you are trying to connect.
4. Click the button.

[TIP]

- After Z report polling, all the report data is deleted from ECR. (Same as ECR)
- OPEN TABLE Report Use only Table Function Model
- If you are using the PRT WHEN POLLING REPORTS option in the REPORT OPTION, please download one at time.

3.4 View Report

[SCREEN]



[DESCRIPTION]

- In this menu, you can see by looking up the uploaded report.

[HOW TO USE]

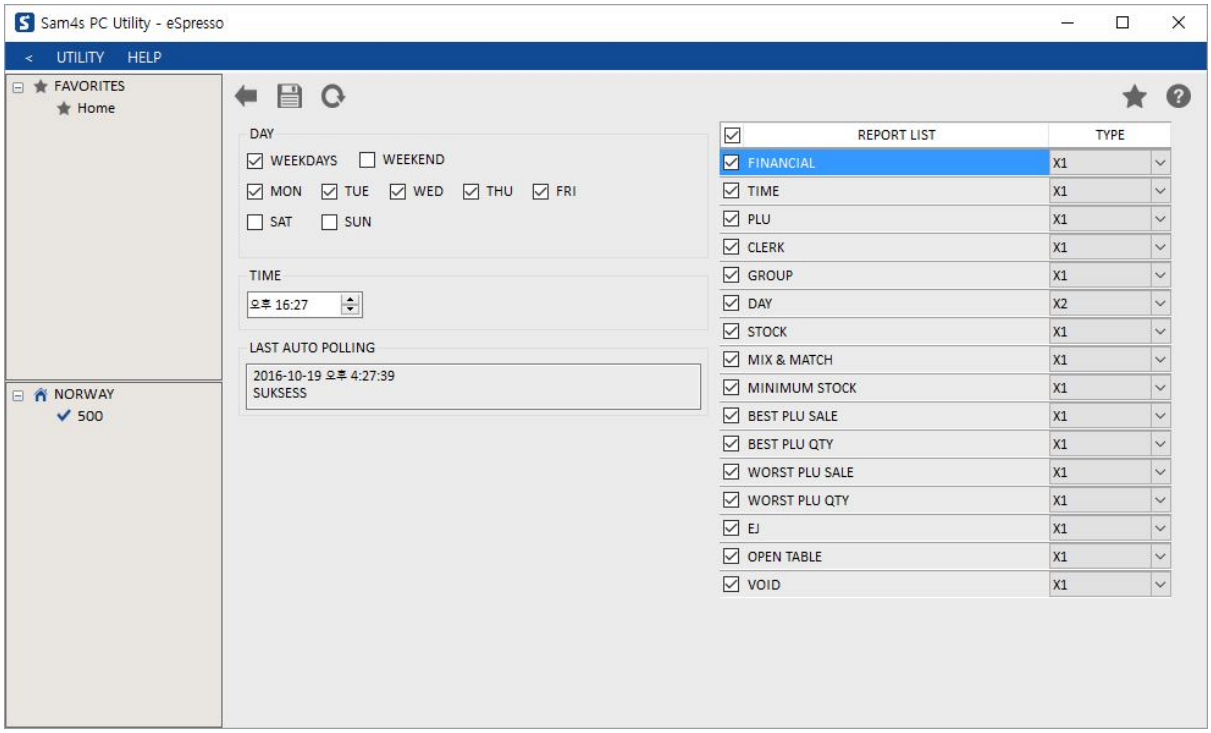
1. Select condition that you want to search.
2. Press button.

[TIP]

- You can change the title of print.
- You can display currency symbol in the list.
- You can skip the zero value.
- OPEN TABLE Report Use only Table Function Model

3.5 Auto Poll Report

[SCREEN]



[DESCRIPTION]

- In this menu, you can set period and report for auto polling.
- When the set date, report will be upload automatically.

[HOW TO USE]

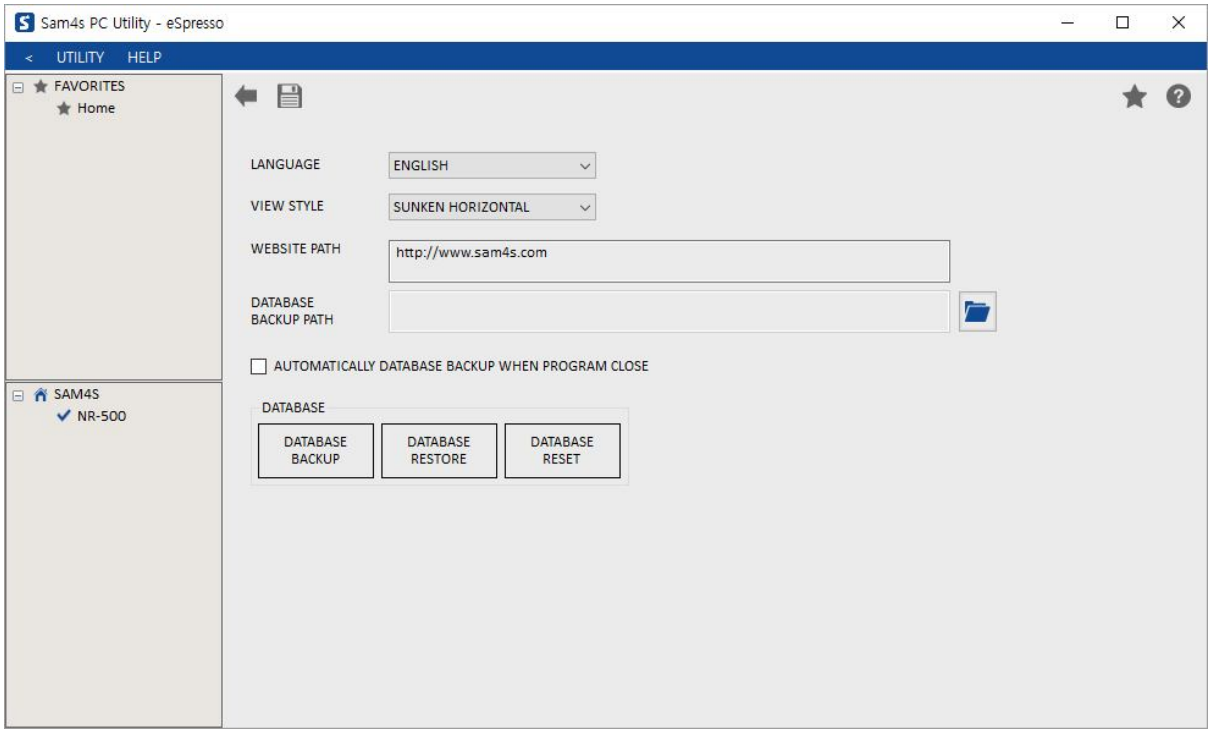
1. Select day and time that you want to auto polling period.
2. Select report that you want to auto polling report.
3. Press button.

[TIP]

- eSpresso always must be run, if you want to use this function.
- Communication must be connected between eSpresso and ECR.

CHAPTER 4. SETTINGS

[SCREEN]



[DESCRIPTION]

- LANGUAGE : Application language will be changed.
- VIEW STYLE : Grid view style will be changed in the screen.
- DATABASE BACKUP PATH : Database file will be saved in this path.
- Checkbox is automatically database backup when application is closed.
- DATABASE BACKUP : Database file will be saved in the path.
- DATABASE RESTORE : Load database in the path.
- DATABASE RESET : Factory reset database.
-

[HOW TO USE]

1. Change data that you want.
2. Press button.

APPENDIX

Index	Modification	Date
	Draft	
1.1	Changed Program Name (S_Office to eSpresso)	
1.2	Changed 2.1.2 Ethernet Communication. Changed CHAPTER 4. SETTINGS. Added 2.4 ECR Information & Check Status	2016.08.29
1.3	Added AUTO POLL REPORT menu.	2016.10.19