# Introduction for DOPSoft V2.00.04 new function

# Change Default Screen for DOP-B and DOP-W



○ **Meter**

| Home | Shortcut | System Time | Brighteness | Calibration |

Meter
Bar
Pipe
Display
Movement
Alarm
Entry
Indicator
Switch
History
Security
Curve
Curve2
Curve3
Recipe
List

● **Three Types**

● **Multiple Colors**

● **Adjustable Scales**

**There is**

● Target Line

● Low Range

● High Range

and it could be variables

Target    60

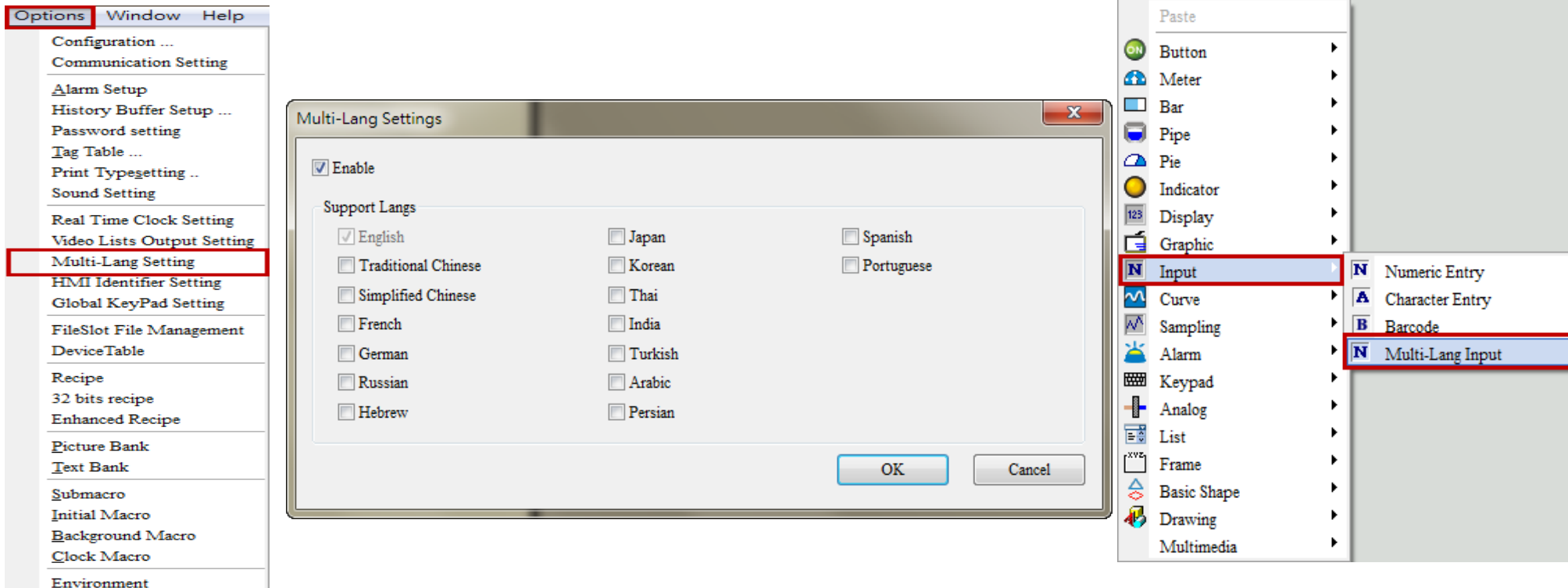Low    30

High    70

# Multi-Language Setting

☑ Multi-language is only support DOP-W Series.

☑ Into <u>Options</u> > <u>Multi-Lang Setting</u>, enable this function and select wanted language. Also create <u>Input</u> > <u>Multi-Lang Input element</u>, after download then it could use this function.

☑ Multi-Language is not support online and offline simulators.

# ffmpeg Tool

☑ ffmpeg tool only support at Video element with DOP-W.

☑ User could via export video to USB and SD, and then set resolutions with default 320x240. The resolution is support to 640x480.
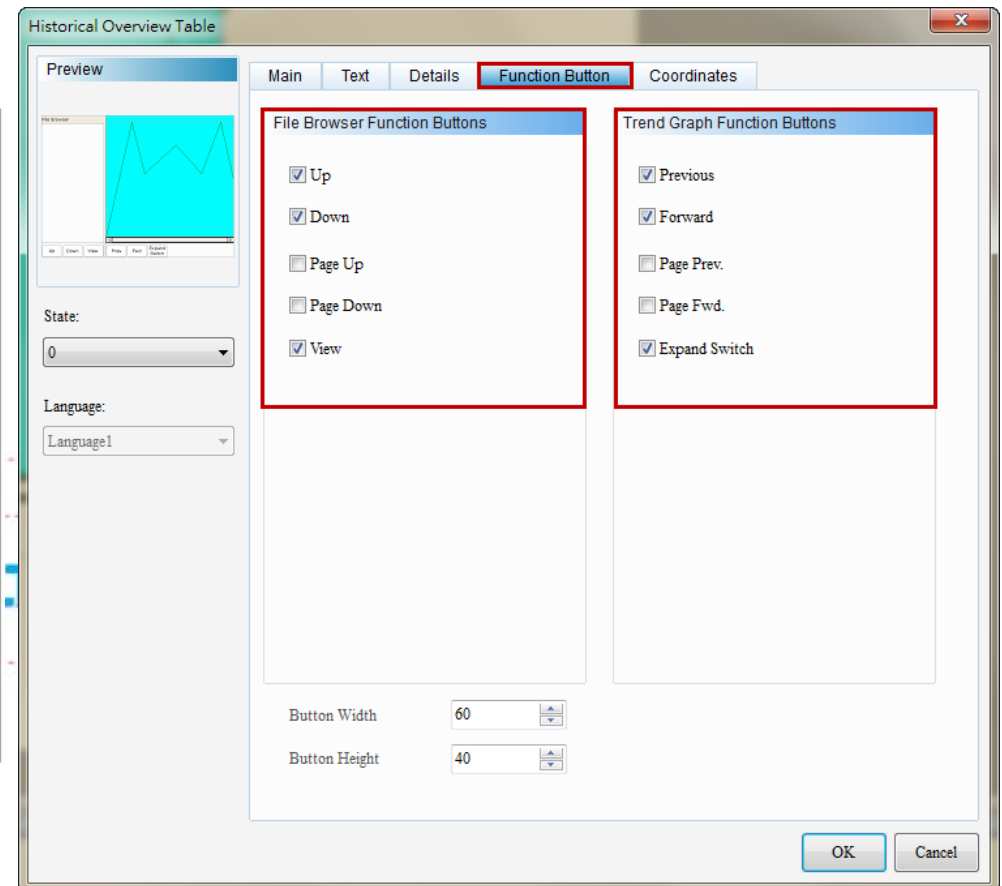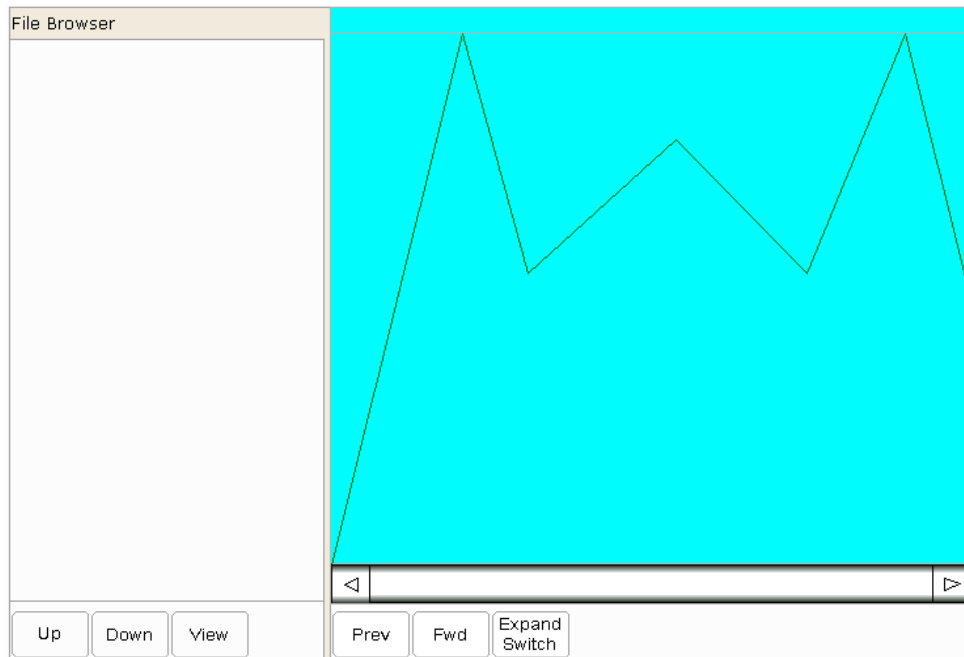
☑ Video elements support format is WMV.
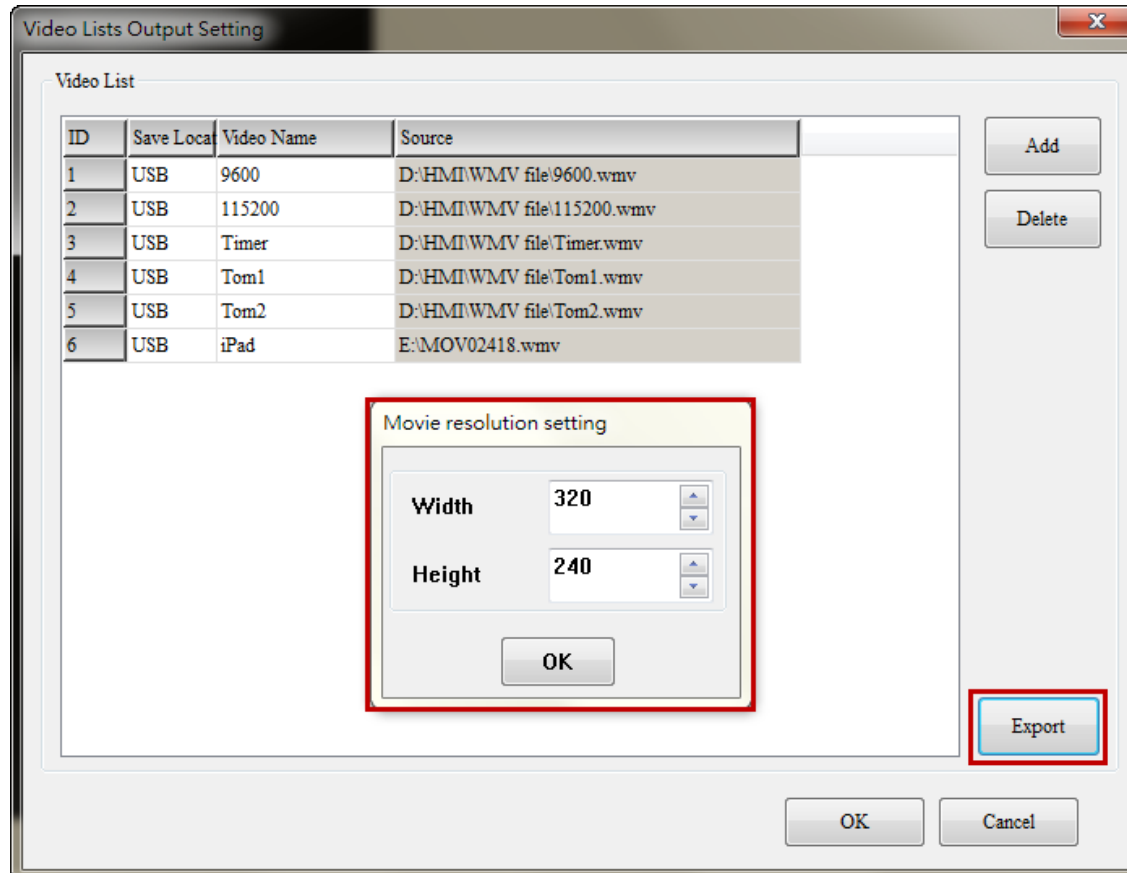
# Historical Overview Table

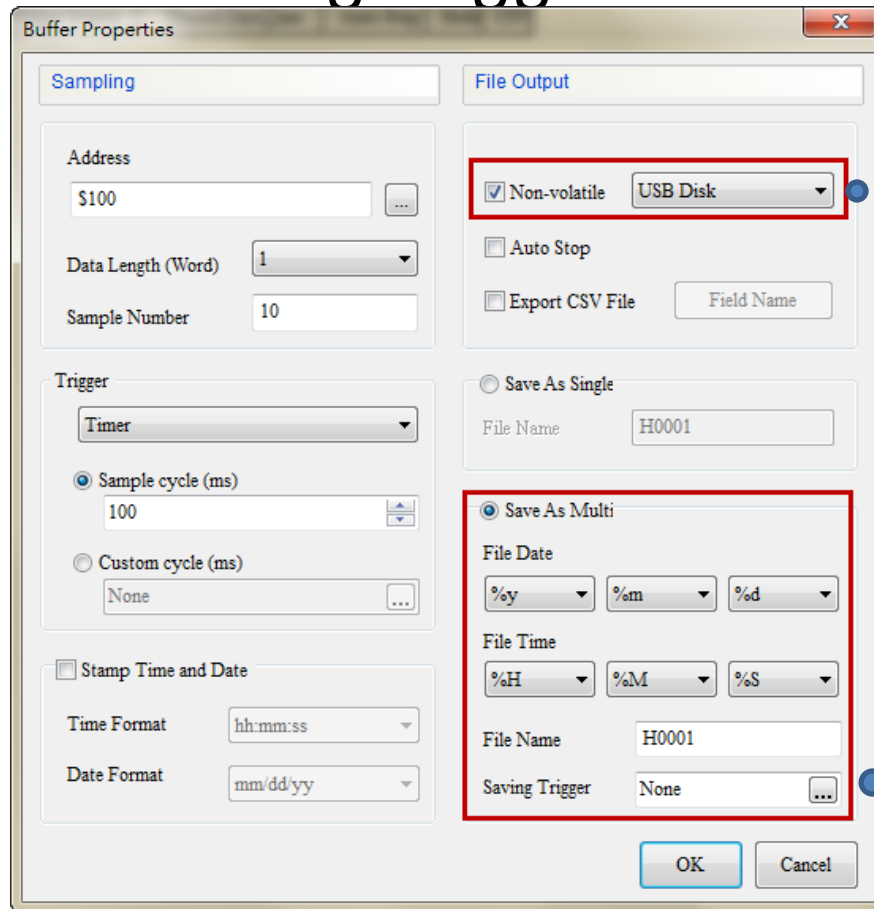☑ Select Element > Sampling > Historical Overview Table
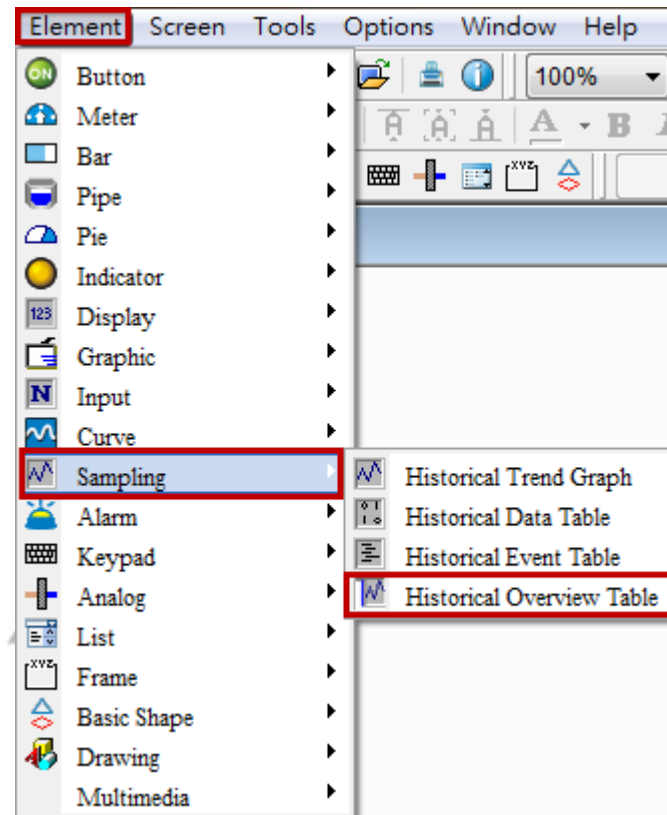
# Historical Overview Table

☑ Historical Overview Table is only different that it has file browser and function button to operate and view passed history data with History Trend Graph.

# Historical Overview Table

☑ Historical Overview Table provide Save as Multi-page and Saving Trigger function.



Only set Non-volatile to USB Disk or SD, then could use Save as Multi-page function

When Saving Trigger is on, no matter sample number achieve or not, it will save history data immediately.

# Enhance Recipe

☑ Enhance Recipe supported data type is Word or Double Word and its data format can be BCD, Signed Decimal, Unsigned Decimal, Hex, Floating and Char.

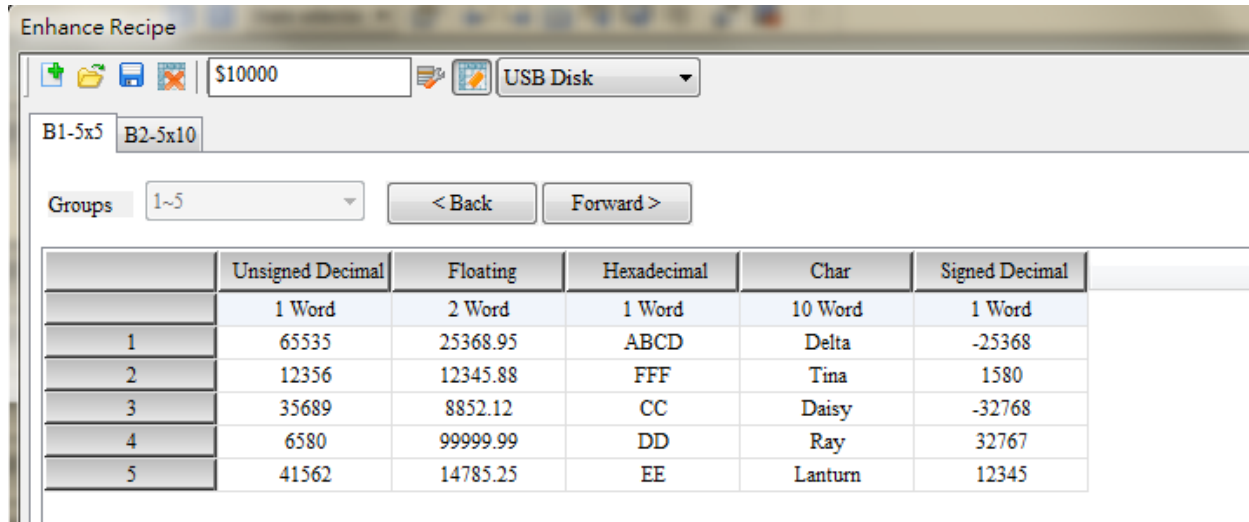☑ The read length of Char format can up to 32 Words ( is equal to 64 bits).
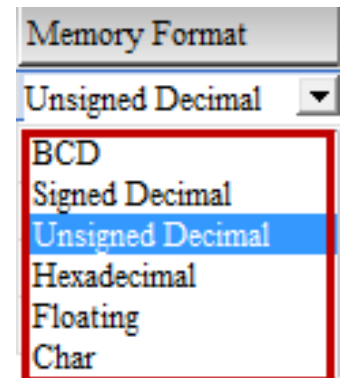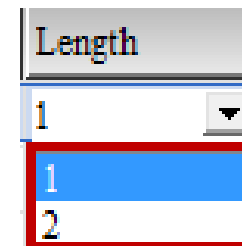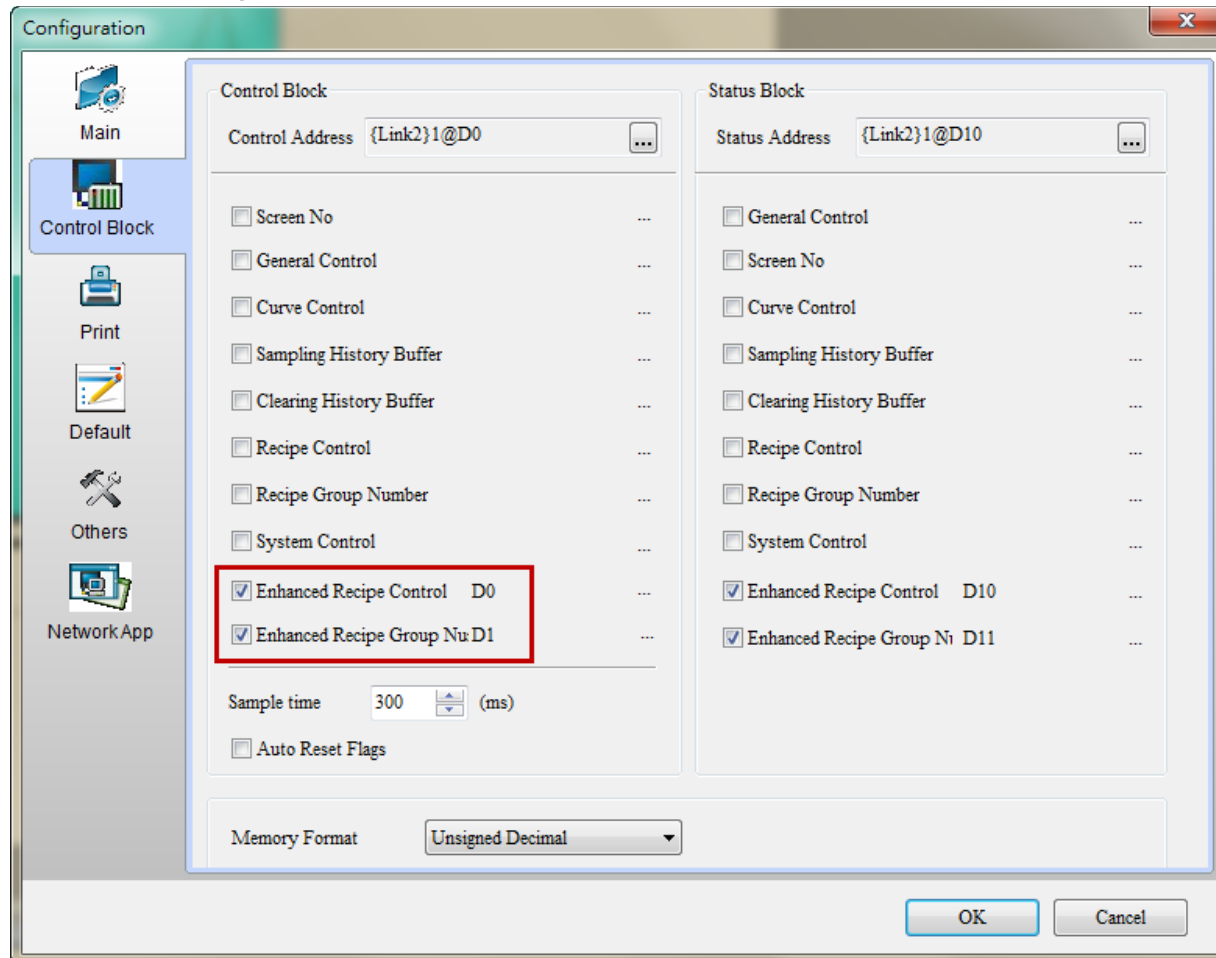
# Enhance Recipe

☑ Enhance recipe has its own register, including ENRCP, ENRCPNO, ENRCPG and *ENRCP.

| ENRCP | Enhance recipe register |
|---|---|
| ENRCPNO | Enhance recipe number register |
| ENRCPG | Enhance recipe group register |
| *ENRCP | Enhance indirect recipe index register |

### Enhance Recipe

$10000    USB Disk

**B1-5x5** | B2-5x10

Groups  1~5     < Back    Forward >

| | Unsigned Decimal | Floating | Hexadecimal | Char | Signed Decimal |
|---|---|---|---|---|---|
| | 1 Word | 2 Word | 1 Word | 10 Word | 1 Word |
| 1 | 65535 | 25368.95 | ABCD | Delta | -25368 |
| 2 | 12356 | 12345.88 | FFF | Tina | 1580 |
| 3 | 35689 | 8852.12 | CC | Daisy | -32768 |
| 4 | 6580 | 99999.99 | DD | Ray | 32767 |
| 5 | 41562 | 14785.25 | EE | Lanturn | 12345 |

☑ It also provide EXENRCP、IMENRCP macro to import and export enhance recipe.

# Machine ID

☑ Provide HMI Identifier to protect HMI and screen data.

☑ Download HMI Identifier is only download **HMI** Machine ID.
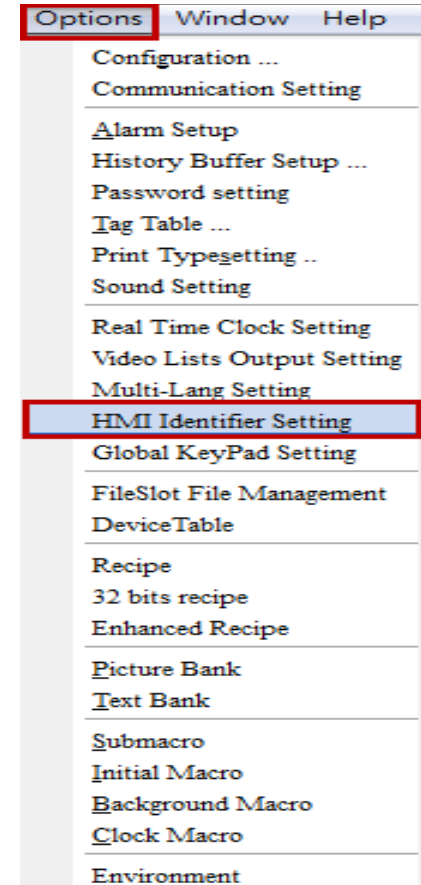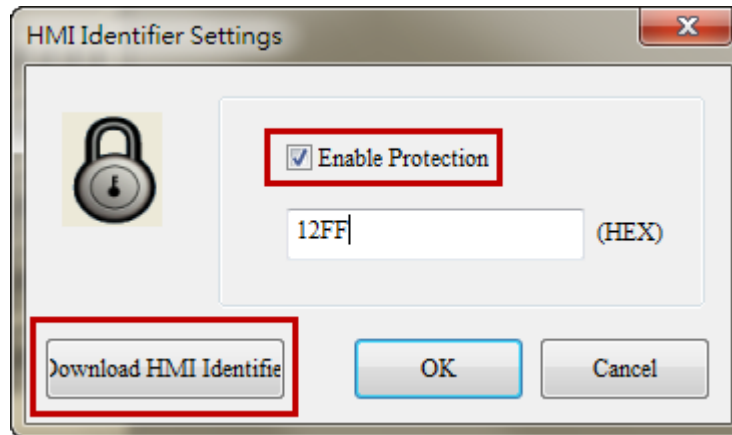


☑ Download all data is only download **Screen** Machine ID.

☑ Only execute **Reset HMI** could clear Machine ID data.

# Machine ID

☑ **HMI comparison Machine ID has three rules as below.**

▸ HMI has Machine ID, but not screen, it will display Check HMI Machine ID Failed 1.

▸ Screen has Machine ID, but not HMI, it will display Check HMI Machine ID Failed 2.

▸ Both have Machine ID, but inconsistent,  it will display Check HMI Machine ID Failed 3.

☑ **When download HMI Identifier at HMI default screen, it will not display any error message like Check HMI Machine ID Failed 1.**
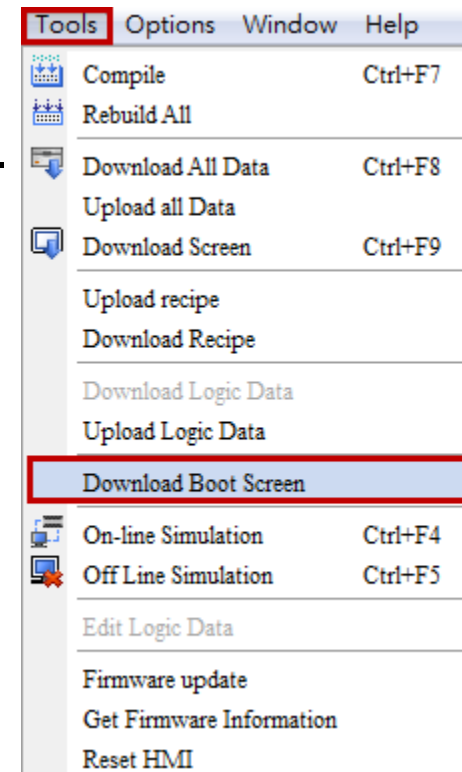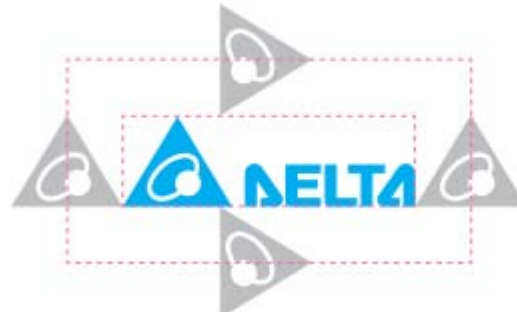
# Boot Screen file

☑ Select Options > Configuration > Default, it could change Power on screen file.
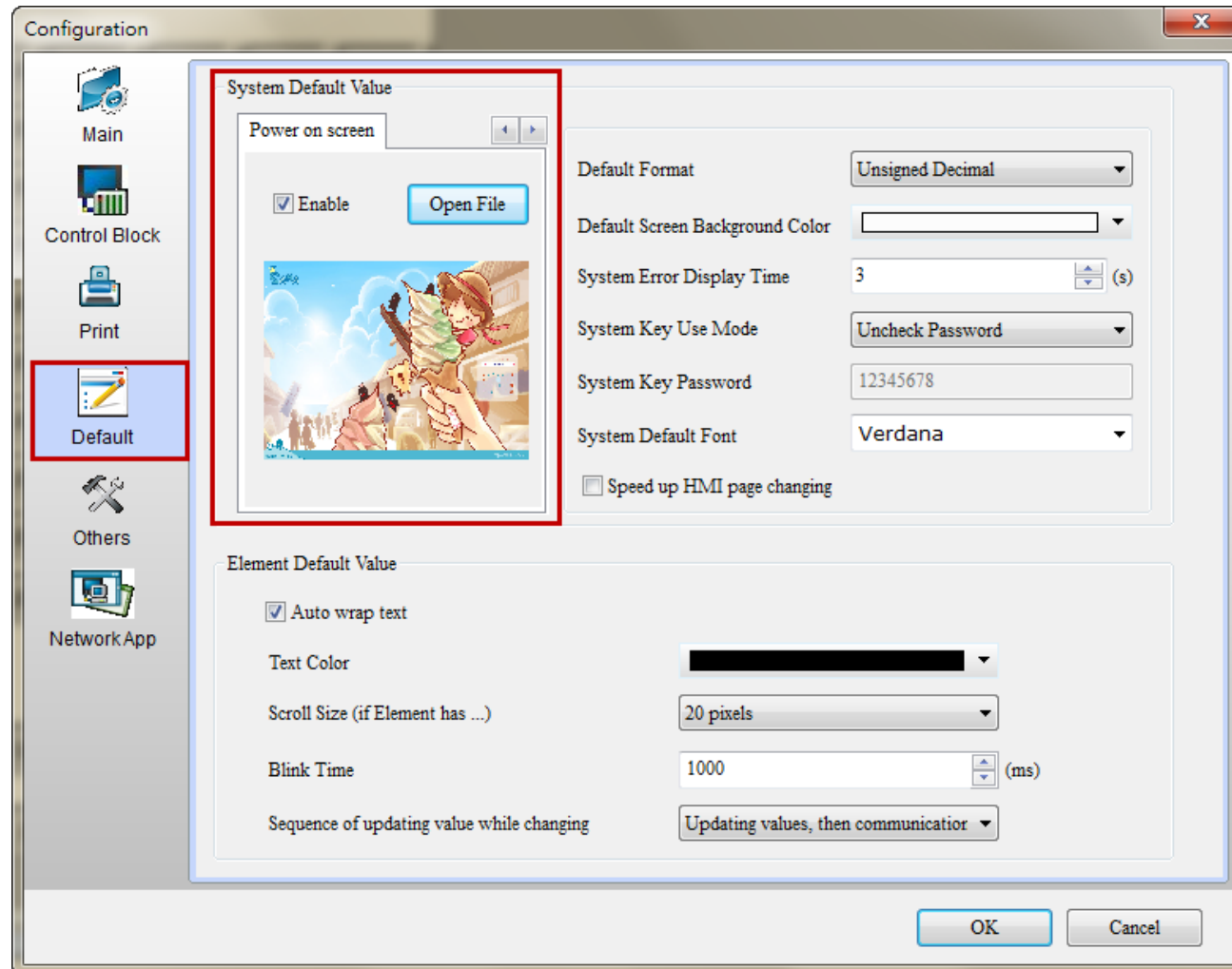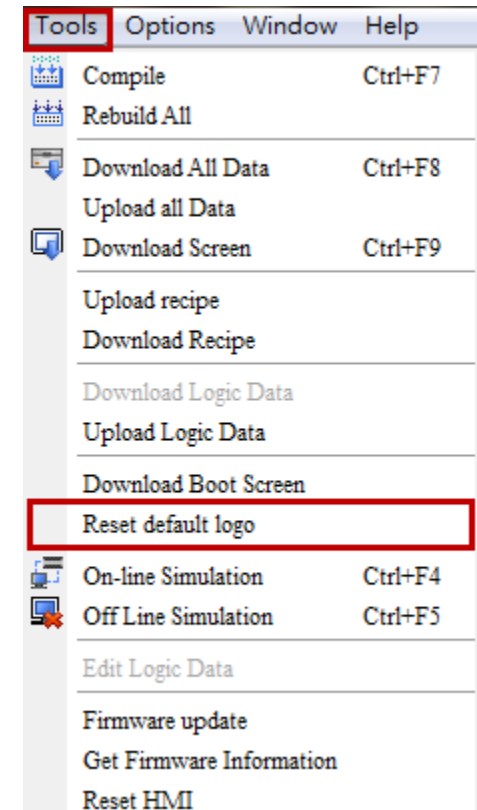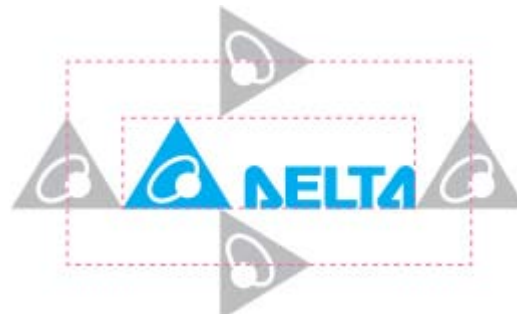
# Boot Screen file

☑ Power on Screen function do not support as below model type. B04S211, B05S100, B05S101, B07S201, B07S211.

☑ After enable power on screen and select file, users could use Tools > **Download Boot Screen** to change boot screen.

☑ Or use **Download All data** to download boot screen directly.

☑ After download boot screen, please restart the HMI.

| Tools | Options | Window | Help |
|---|---|---|---|
| Compile | | | Ctrl+F7 |
| Rebuild All | | | |
| Download All Data | | | Ctrl+F8 |
| Upload all Data | | | |
| Download Screen | | | Ctrl+F9 |
| Upload recipe | | | |
| Download Recipe | | | |
| Download Logic Data | | | |
| Upload Logic Data | | | |
| **Download Boot Screen** | | | |
| On-line Simulation | | | Ctrl+F4 |
| Off Line Simulation | | | Ctrl+F5 |
| Edit Logic Data | | | |
| Firmware update | | | |
| Get Firmware Information | | | |
| Reset HMI | | | |

# Reset Default Logo

☑ Reset Default Logo function do not support as below model type. B04S211, B05S100, B05S101, B07S201, B07S211.

☑ When replaced with HMI boot screen, user could via execute Tools > Reset default logo to restore HMI to default logo.

☑ After reset default logo, please restart the HMI.

| Tools | Options | Window | Help |
|---|---|---|---|
| Compile | | | Ctrl+F7 |
| Rebuild All | | | |
| Download All Data | | | Ctrl+F8 |
| Upload all Data | | | |
| Download Screen | | | Ctrl+F9 |
| Upload recipe | | | |
| Download Recipe | | | |
| Download Logic Data | | | |
| Upload Logic Data | | | |
| Download Boot Screen | | | |
| Reset default logo | | | |
| On-line Simulation | | | Ctrl+F4 |
| Off Line Simulation | | | Ctrl+F5 |
| Edit Logic Data | | | |
| Firmware update | | | |
| Get Firmware Information | | | |
| Reset HMI | | | |

# Global keypad Settings

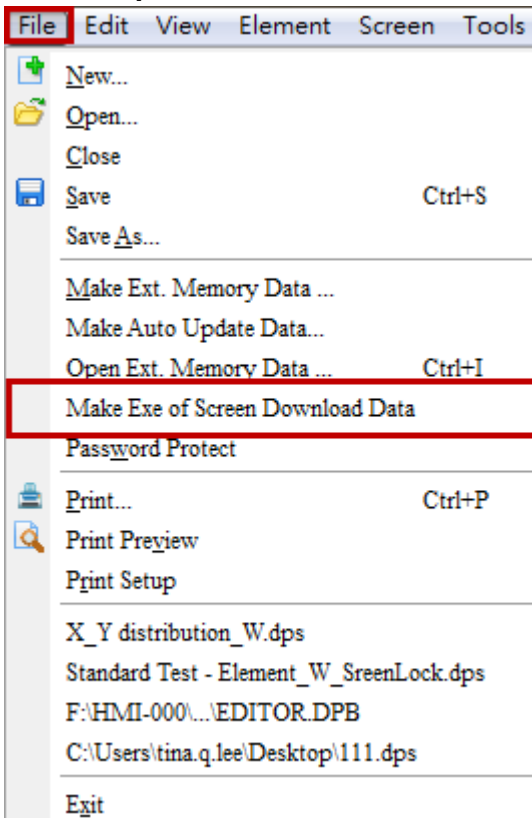☑ Select Options > Global Keypad Setting, it could set Decimal, Binary, Hexadecimal, ASCII format keypad.
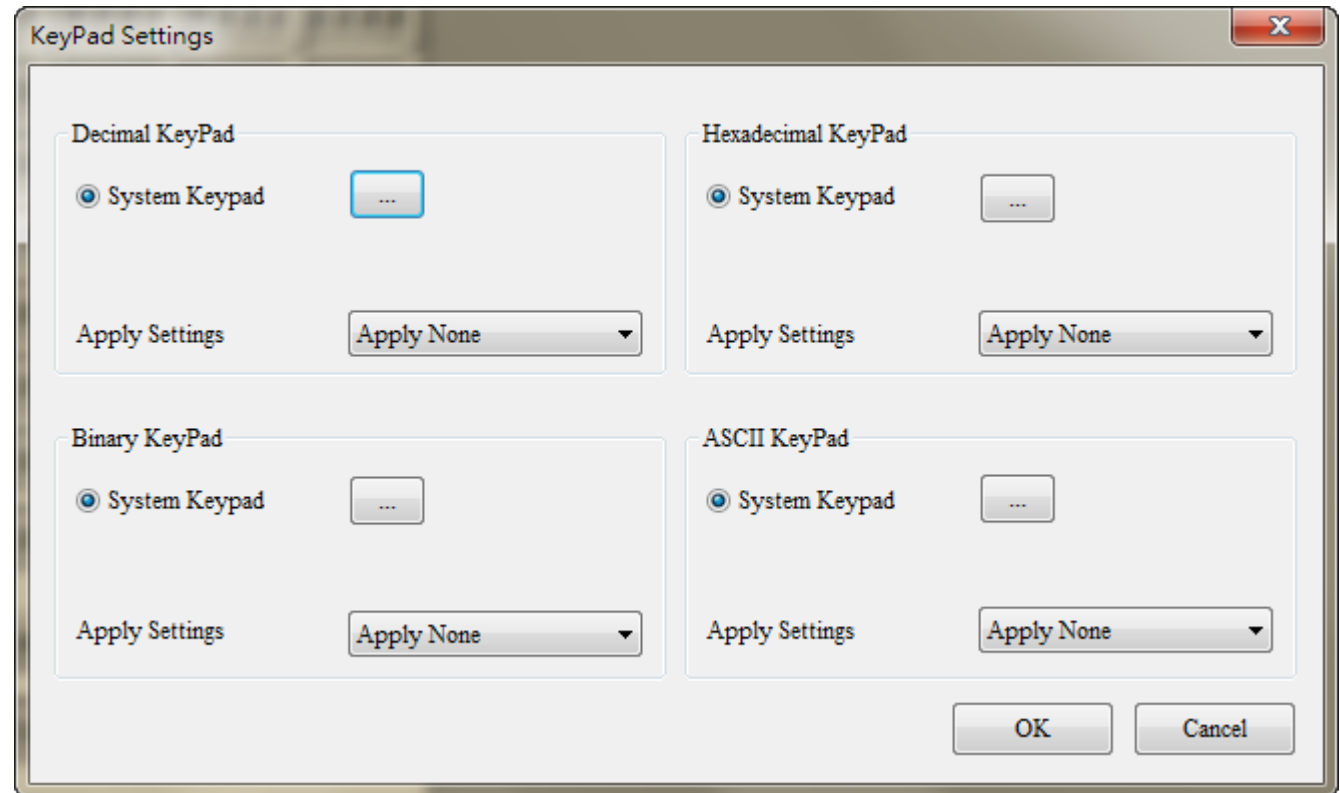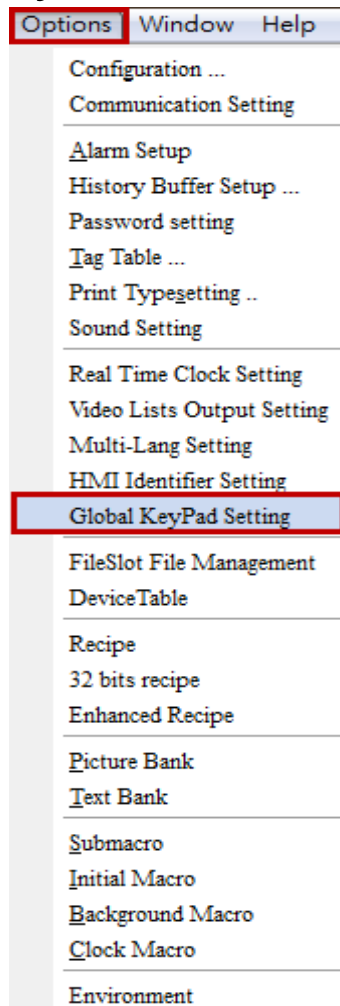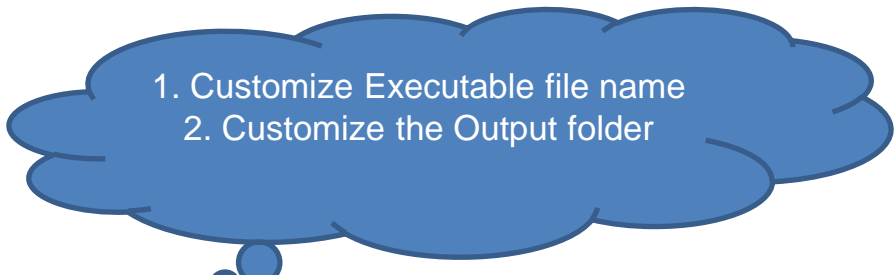
# Global keypad Settings

☑ This function will help users customize keypad style and select apply to all or apply to new by users edit.

☑ Select apply to all, means replace all exist keypad.

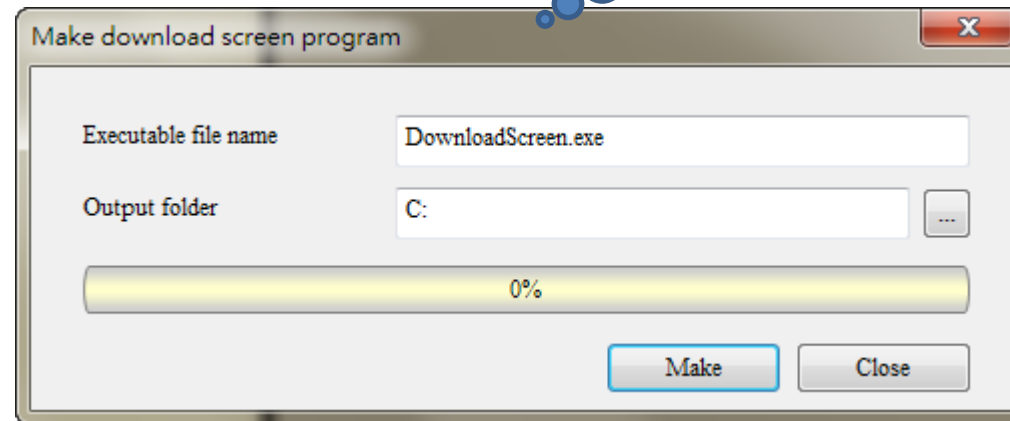☑ Select apply to new, means only replace new create keypad.
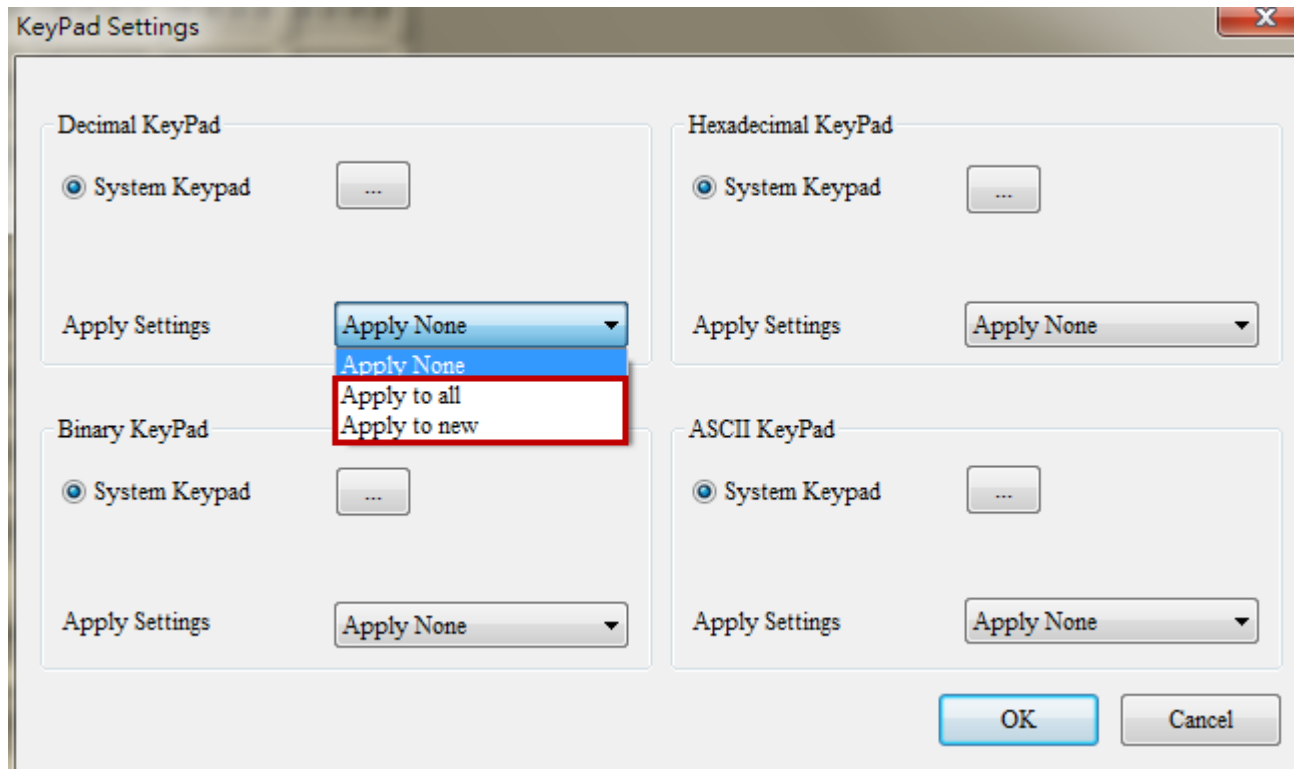
# Make Execution of Screen Download Data

☑ Create a independence execution without open DOPSoft in next download.

☑ Every execution will according to download mode in project to decide next download way.

☑ If it has password setting in execution of project, when execution this file that will ask password for download.

| File | Edit | View | Element | Screen | Tools |

- New...
- Open...
- Close
- Save      Ctrl+S
- Save As...
---
- Make Ext. Memory Data ...
- Make Auto Update Data...
- Open Ext. Memory Data ...    Ctrl+I
- **Make Exe of Screen Download Data**
- Password Protect
---
- Print...      Ctrl+P
- Print Preview
- Print Setup
---
- X_Y distribution_W.dps
- Standard Test - Element_W_SreenLock.dps
- F:\HMI-000\...\EDITOR.DPB
- C:\Users\tina.q.lee\Desktop\111.dps
---
- Exit

**1. Customize Executable file name**
**2. Customize the Output folder**

**Make download screen program**

Executable file name      DownloadScreen.exe

Output folder      C:    [...]

0%

[ Make ]    [ Close ]

# Screen Lock Address

☑ Into screen properties, it could set Screen Lock address.

☑ This function only effective on sub screen.

☑ Constant as 1 means always lock, constant as 0 means always unlock.

☑ When trigger on screen lock address, below this sub screen will locked and cannot operate.
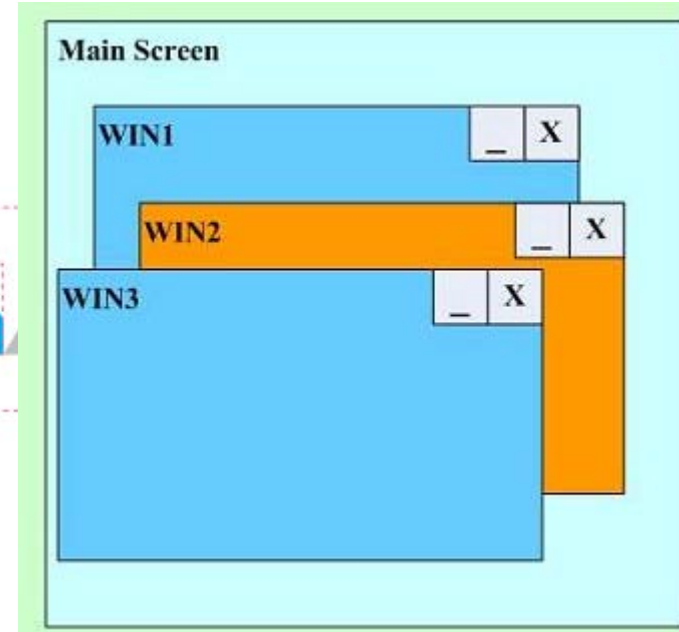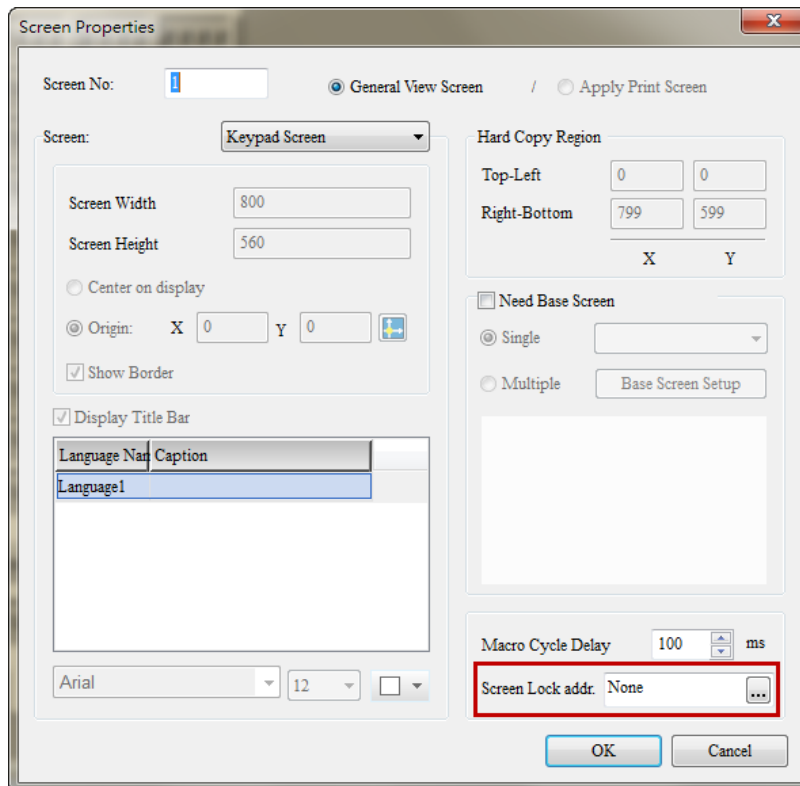
# Write and Read Offset Address

☑ Numeric Entry, Button elements provide write and read offset address.



☑ Read address elements also provide read offset address, like Display and Pie.

# Write and Read Offset Address

☑ Please create Numeric Entry element as $100 with Write address, and set $200 with Write offset address and Read offset address.
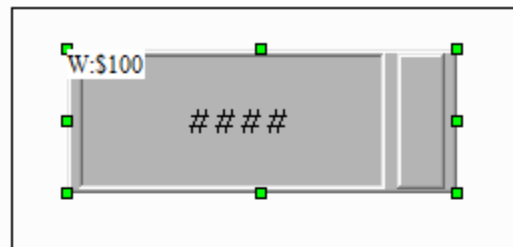
# Write and Read Offset Address

☑ Please create Numeric Entry elements as $200, $100 to $103 with Write address.
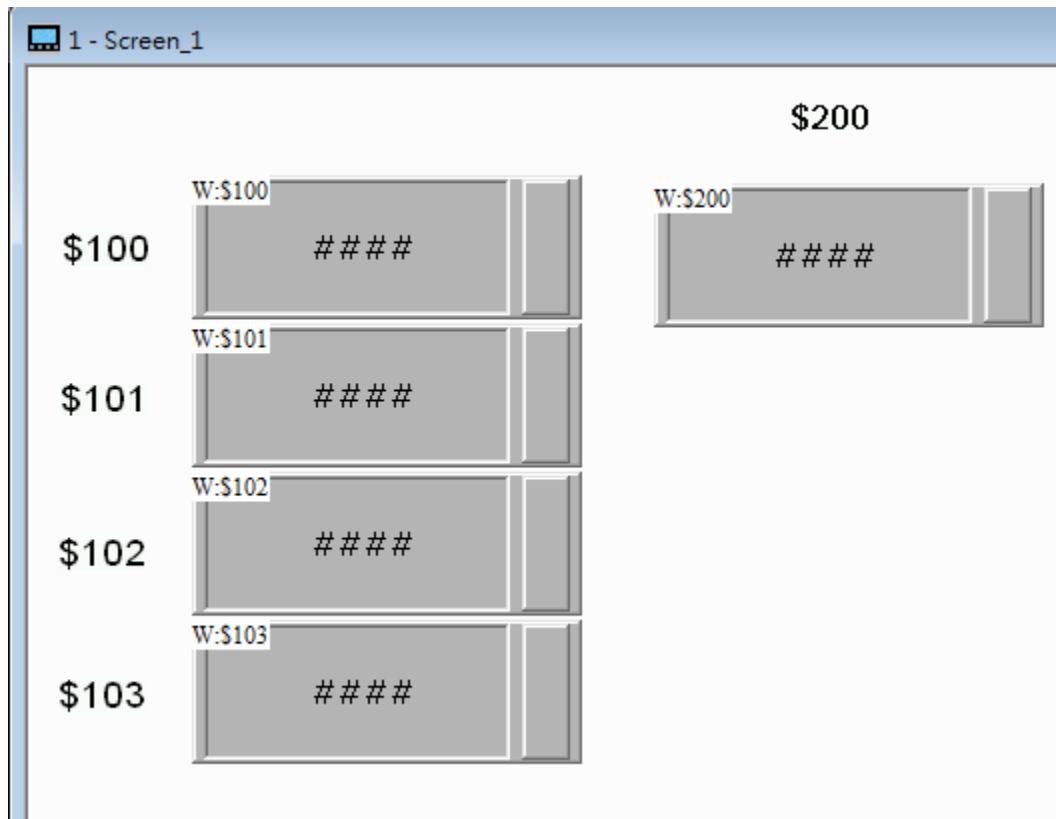
# Write and Read Offset Address

☑ Execute compile and run offline simulator, please input 100, 200, 300, 400 at $100 to $103.

☑ Input 1 value at $200, and then the $100 with write offset address and read offset address will display 200. So when $200 is 2, $100 will display 300.
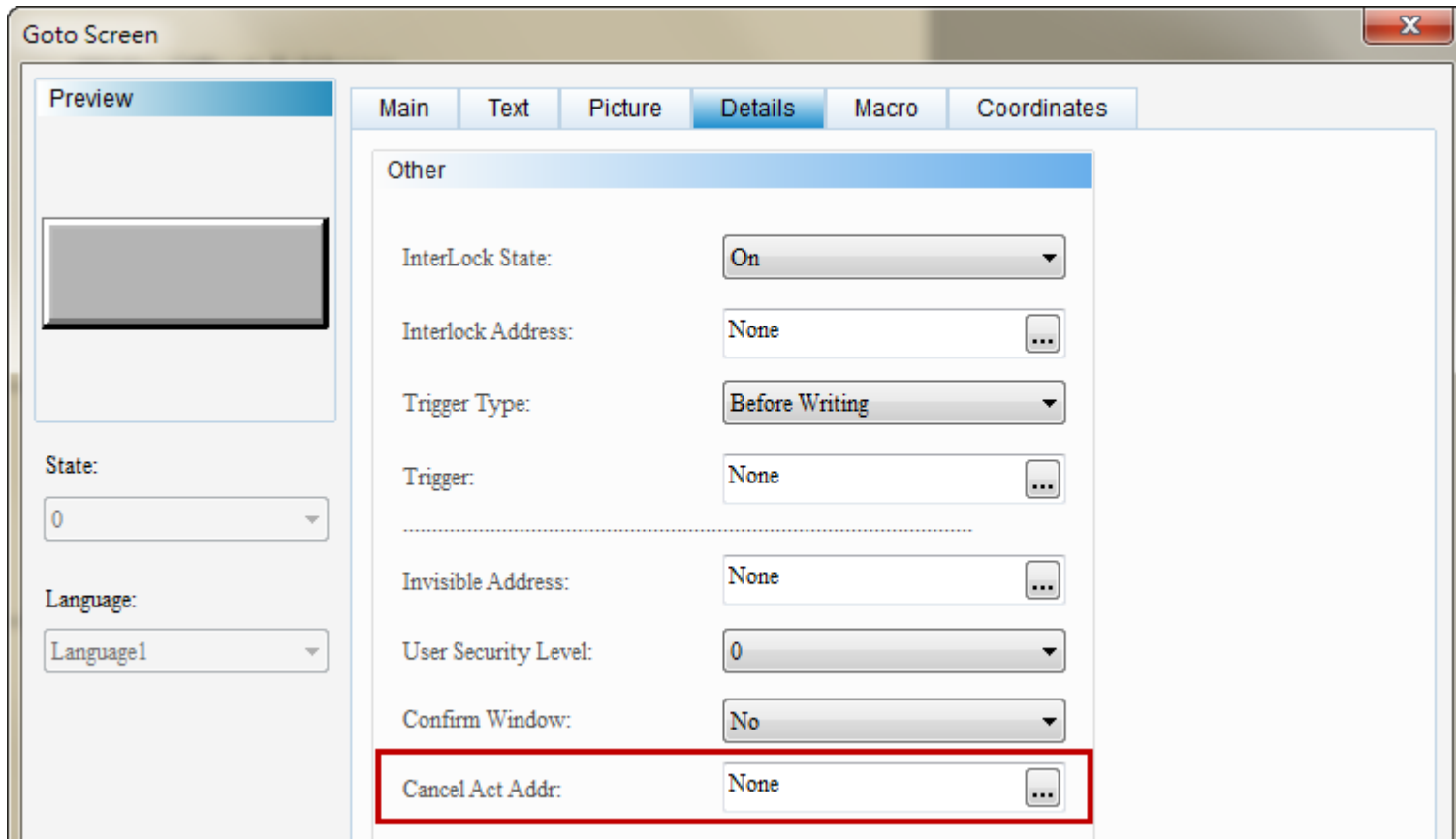
# Cancel Action Address

☑ Goto Screen button add Cancel Action Address.

☑ After trigger on cancel action address, goto screen action will ineffective.

# External ASCII

☑ Character Entry, Barcode, Character Display add support EXASCII function.

☑ Input Mode needs to set as Touch Non-Popup or Active Non-Popup and pair up the keypad elements.
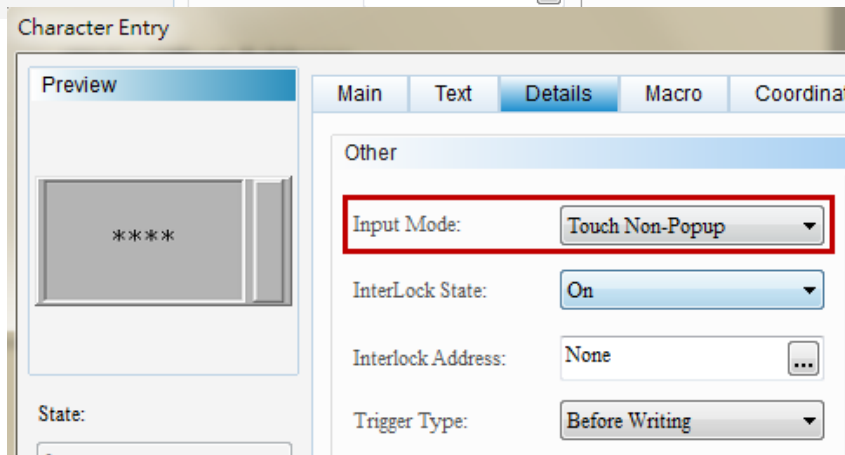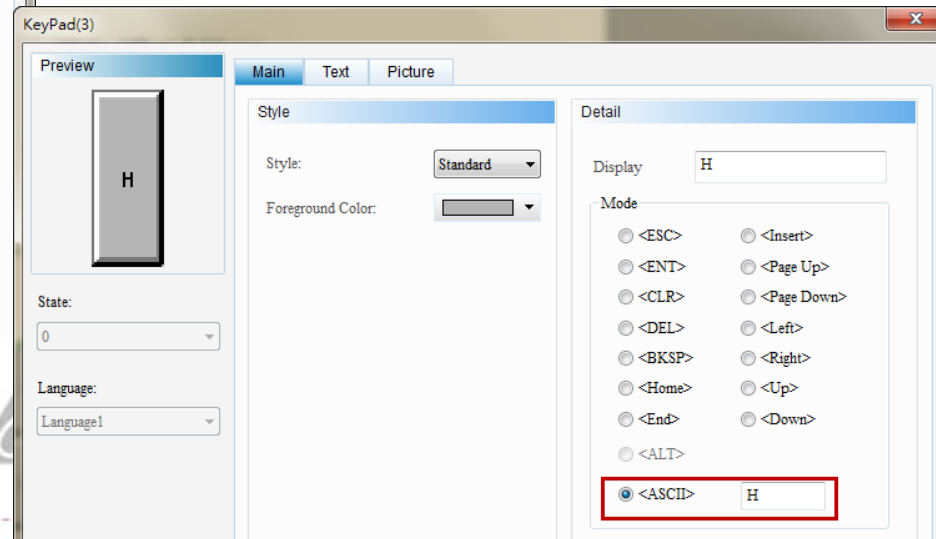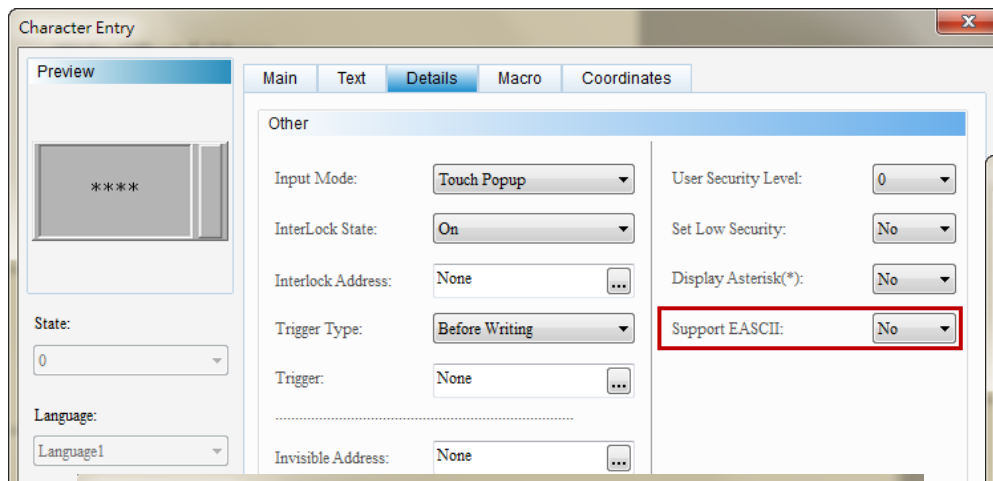
☑ External ASCII do not support as below model type.
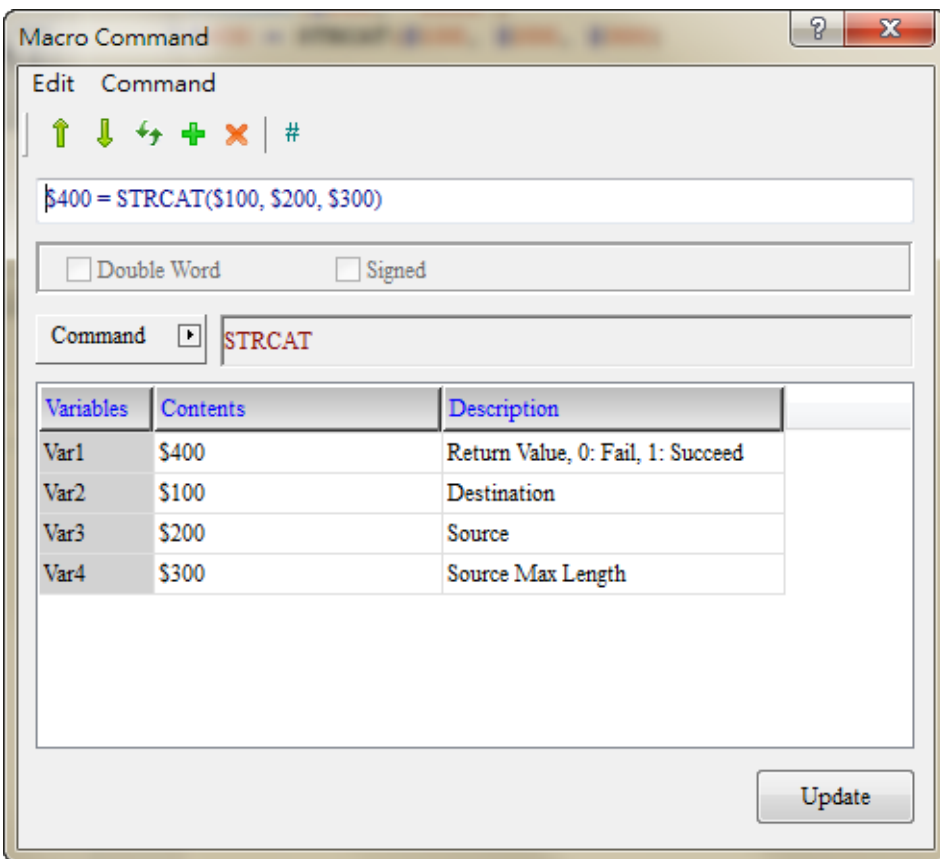B04S211, B05S100, B05S101, B07S201, B07S211.

# STATIONCHK Macro

☑ Add STATIONCHK macro, it provide users to check COM link status.

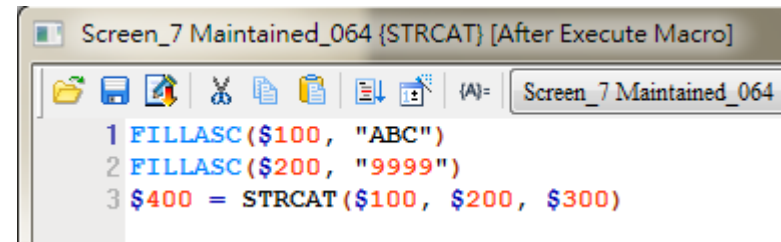☑ Only refresh the link status when screen data access the PLC address.
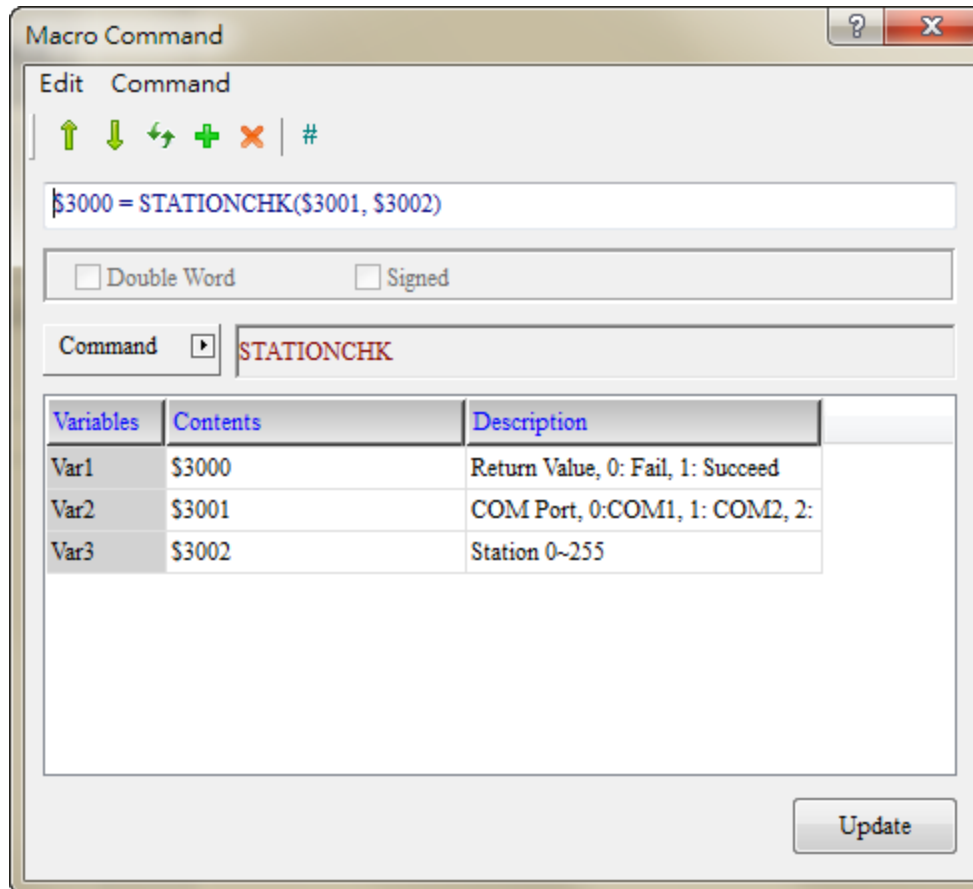
# STRCAT Macro

☑ Add STRCAT macro command to connect string.

# Horizontal and Vertical Line

☑ History and alarm add draw vertical and horizontal line.

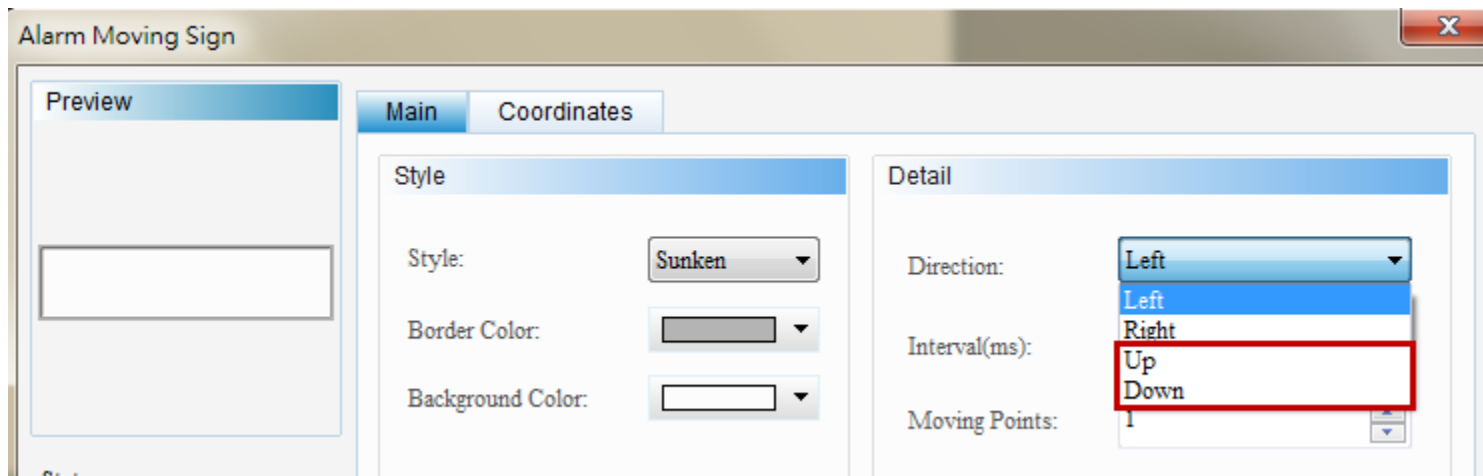| 時間 | 日期 | D1 | D2 | D3 | D4 | D5 | | |
|------|------|------|------|------|------|------|---|---|
| hh:mm:ss | mm.dd | ##### | #### | ### | ## | # | | |

| ○ 002 | 警報2 |
|-------|-------|
| ○ 006 | 警報6 |

# Penetrate of Rectangle

☑ Rectangle add Penetrate function.

- ▶ When penetrate is on, it means ignore rectangle and could press the button as below rectangle.
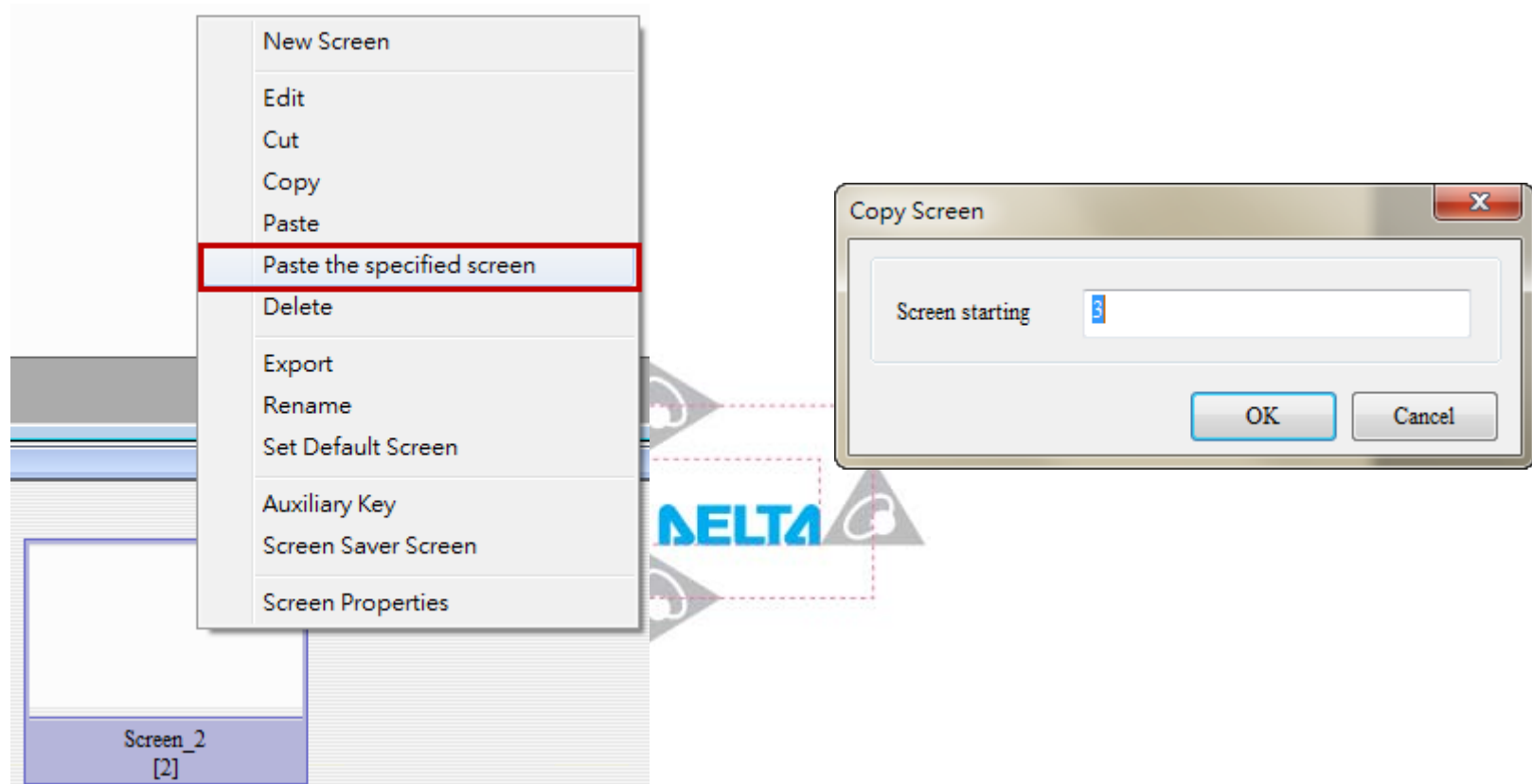- ▶ When penetrate is off, it means cannot press the button as below rectangle.
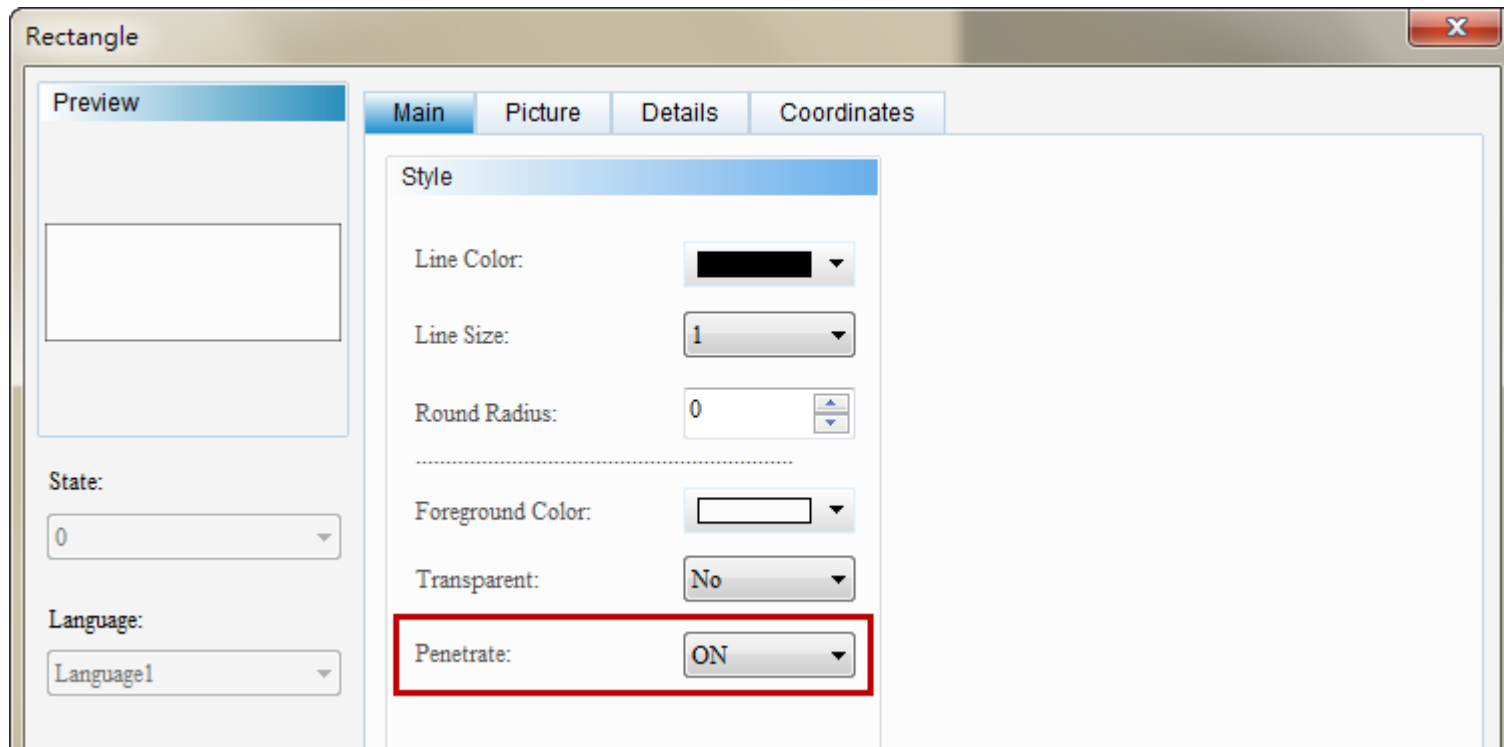
# Alarm Moving Sign

☑ Alarm Moving Sign add Up and Down direction display.

# Paste the Specified Screen

☑ Add Paste the specified screen function, it provide to customize after which screen to paste.
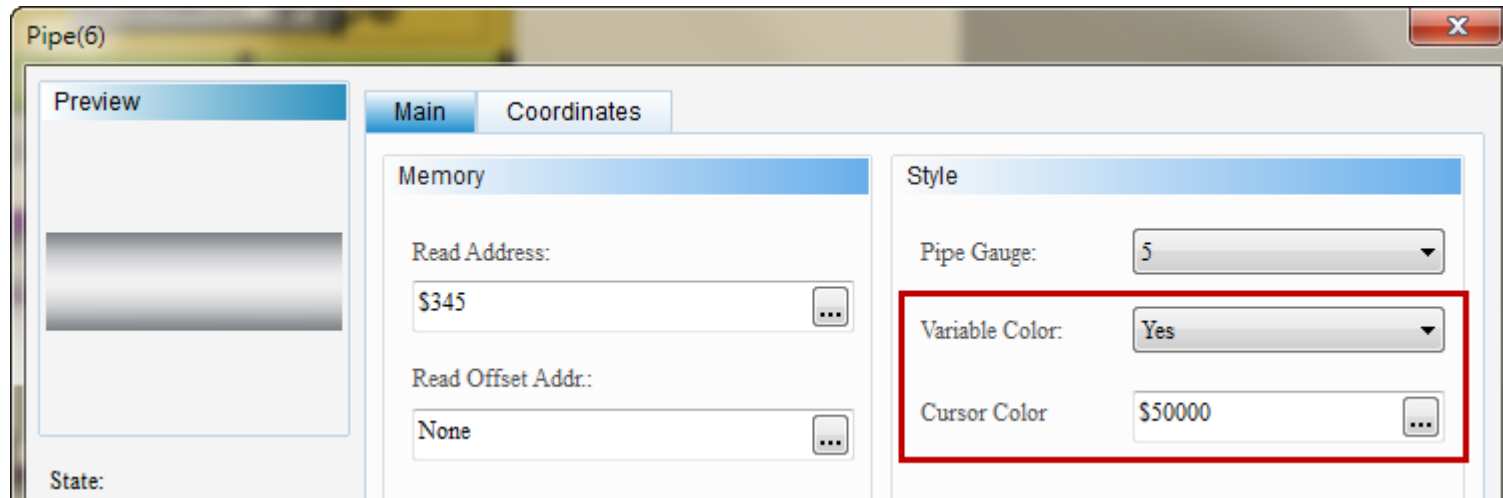
# System Parameters

☑ Into Options> Configuration>Others, add some system parameters like as below figures out.

☑ It could set USB Download mode, Brightness, Touch Panel Delay and Touch Panel Force.
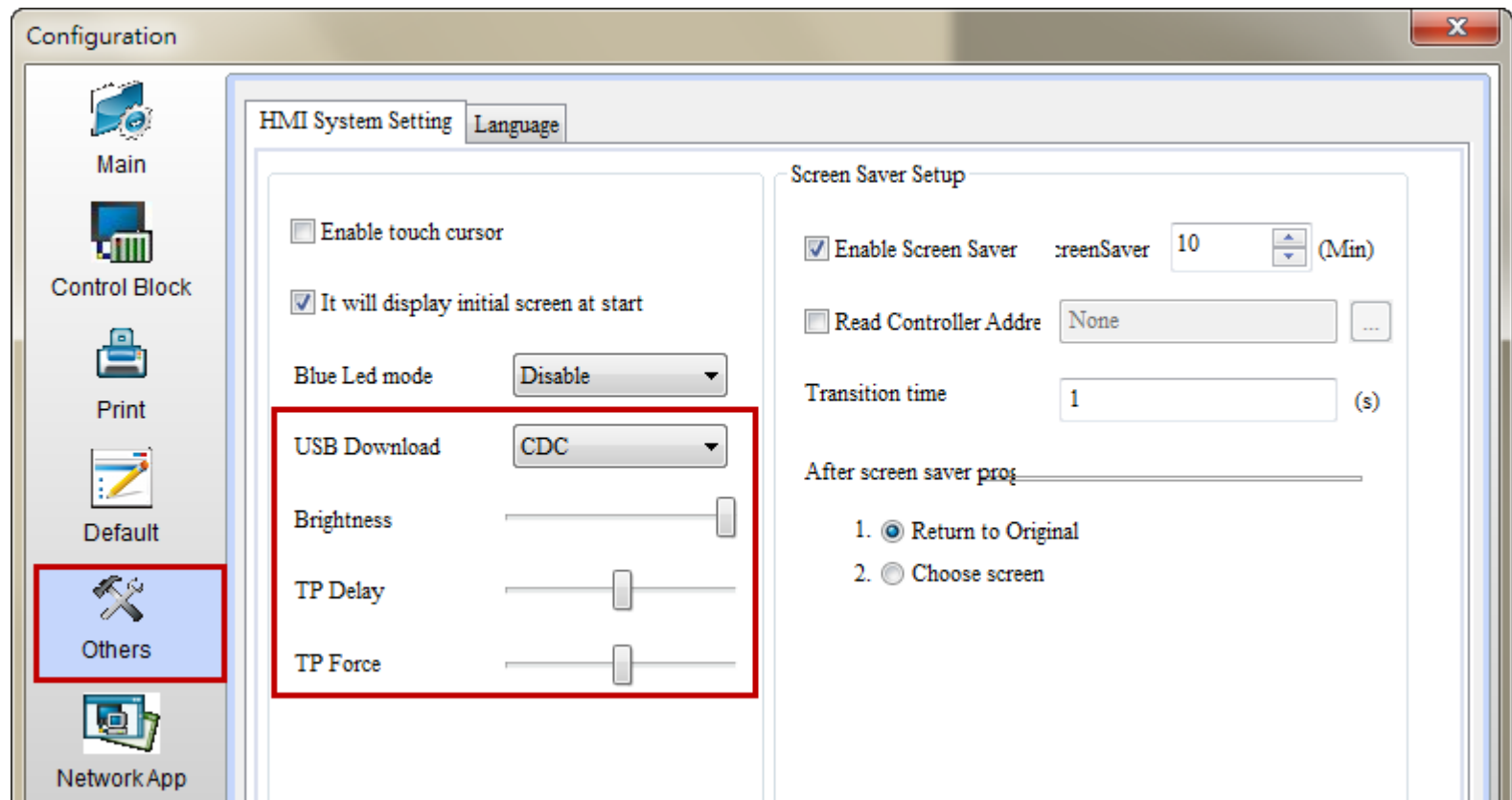
# Change color for Pipe(6)、Pipe(7)

☑ Pipe(6) and Pipe(7) add Cursor Color with variables.

☑ Change the Variable color to Yes and set variable address to change the pipe flow color.

# Non-current screen background processing permit

☑ Add Non-current screen background processing permit function for X-Y Distribution.

☑ If enable this function, users could sampling at other screen. For example, screen ID 1 has X-Y distribution, but screen ID 2 has not. After enable this function, in screen ID 2 still could sampling.

☑ If disable auto clear, please set to off after trigger on sampling in other screen without X-Y distribution.
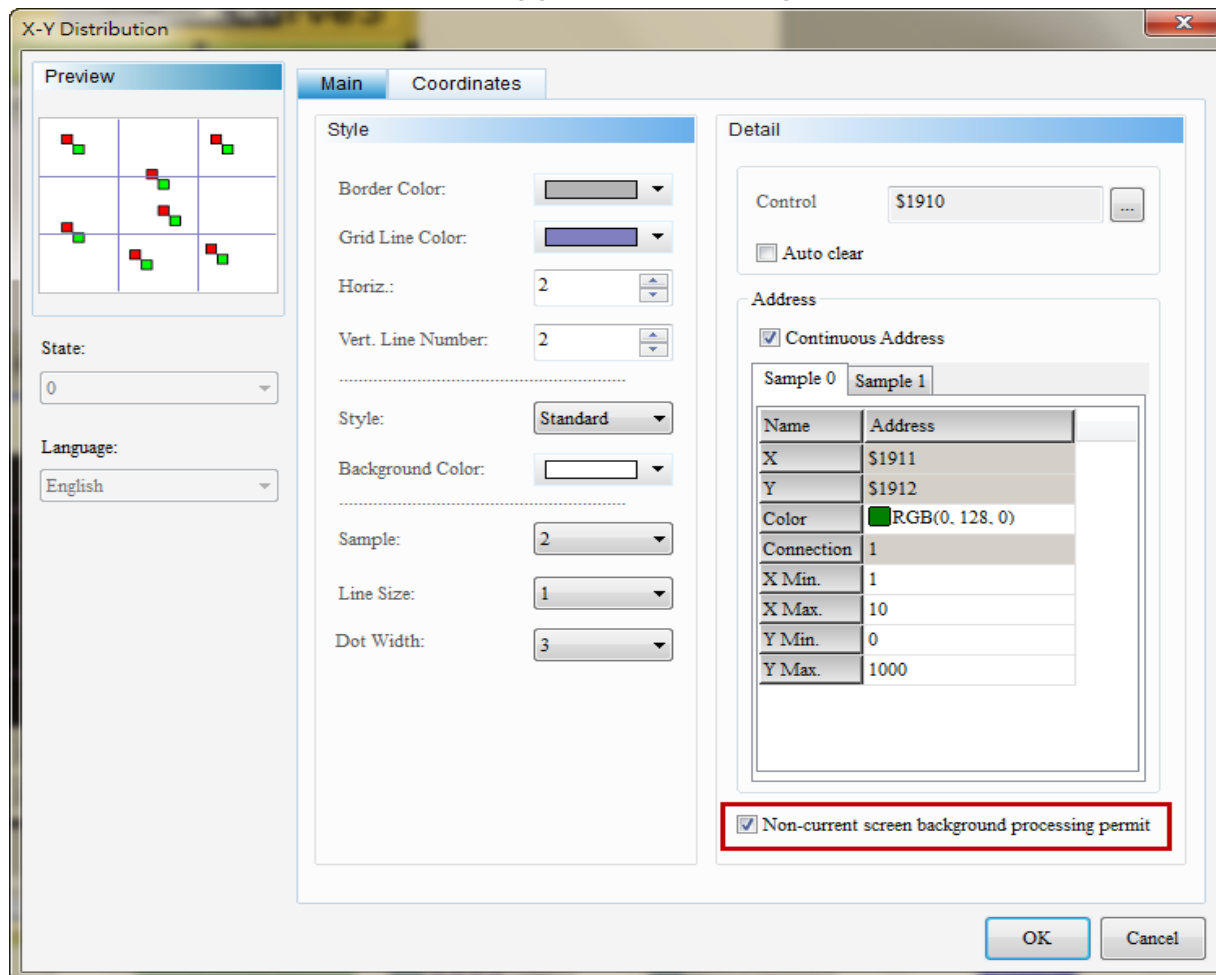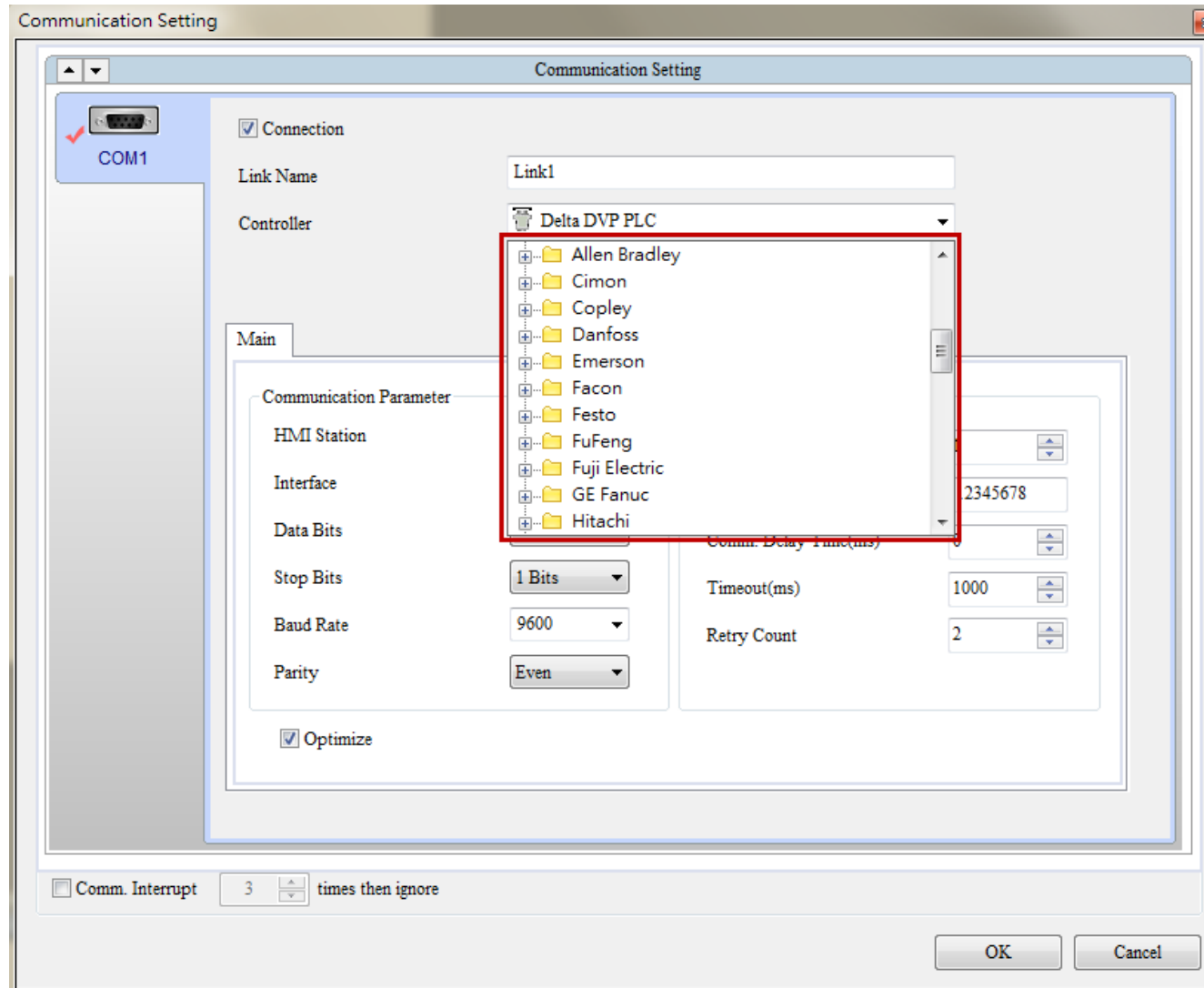
# Multi-Language support to 32

☑ Multi-Language support to 32.

☑ When set over 32 languages, it will display error message.
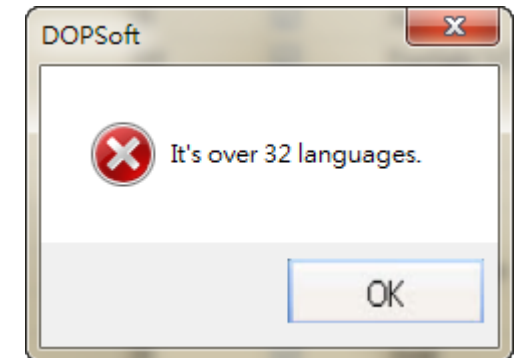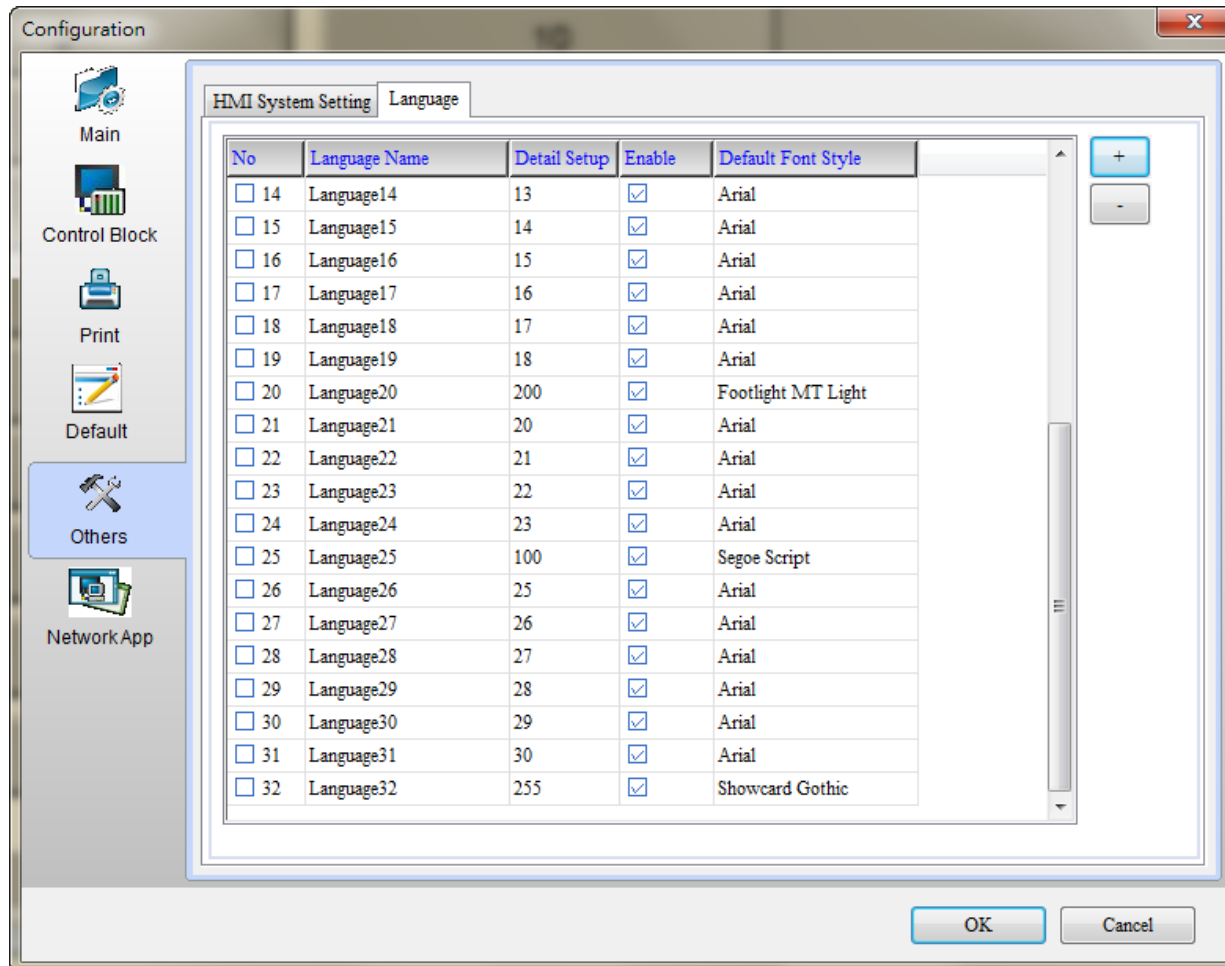
# B07S410 Support other PLC

☑ B07S410 model type could select other PLC to connect.

Smarter. Greener. Together.