

Introduction for DOPSoft V2.00.04 new function



Change Default Screen for DOP-B and DOP-W

Meter

Home
Shortcut
System Time
Brightness
Calibration

Meter

Bar

Pipe

Display

Movement

Alarm

Entry

Indicator

Switch

History

Security

Curve

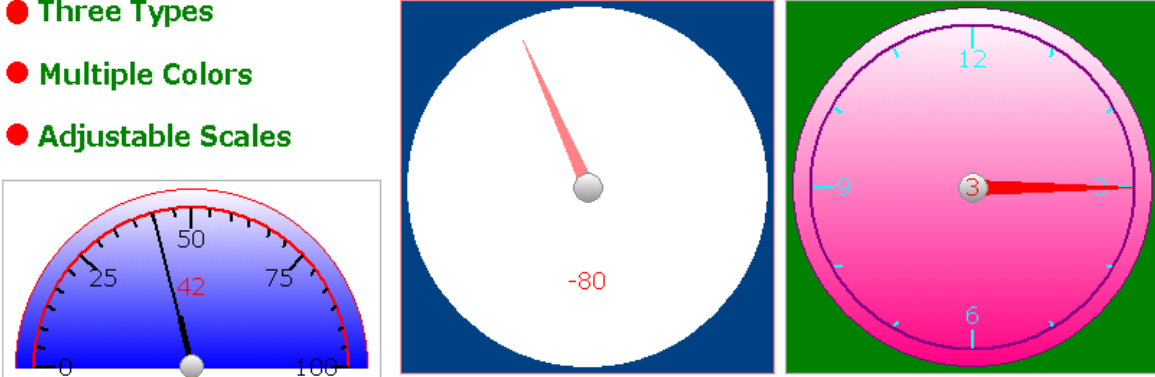
Curve2

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

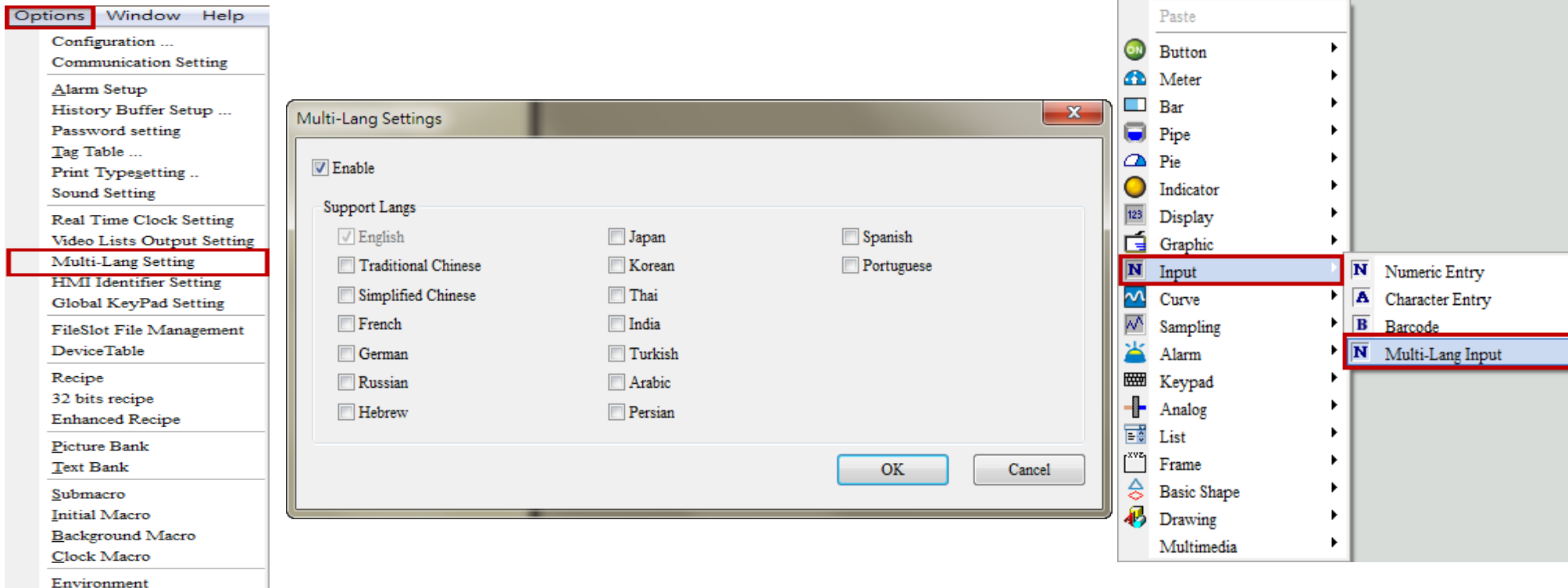
30

High

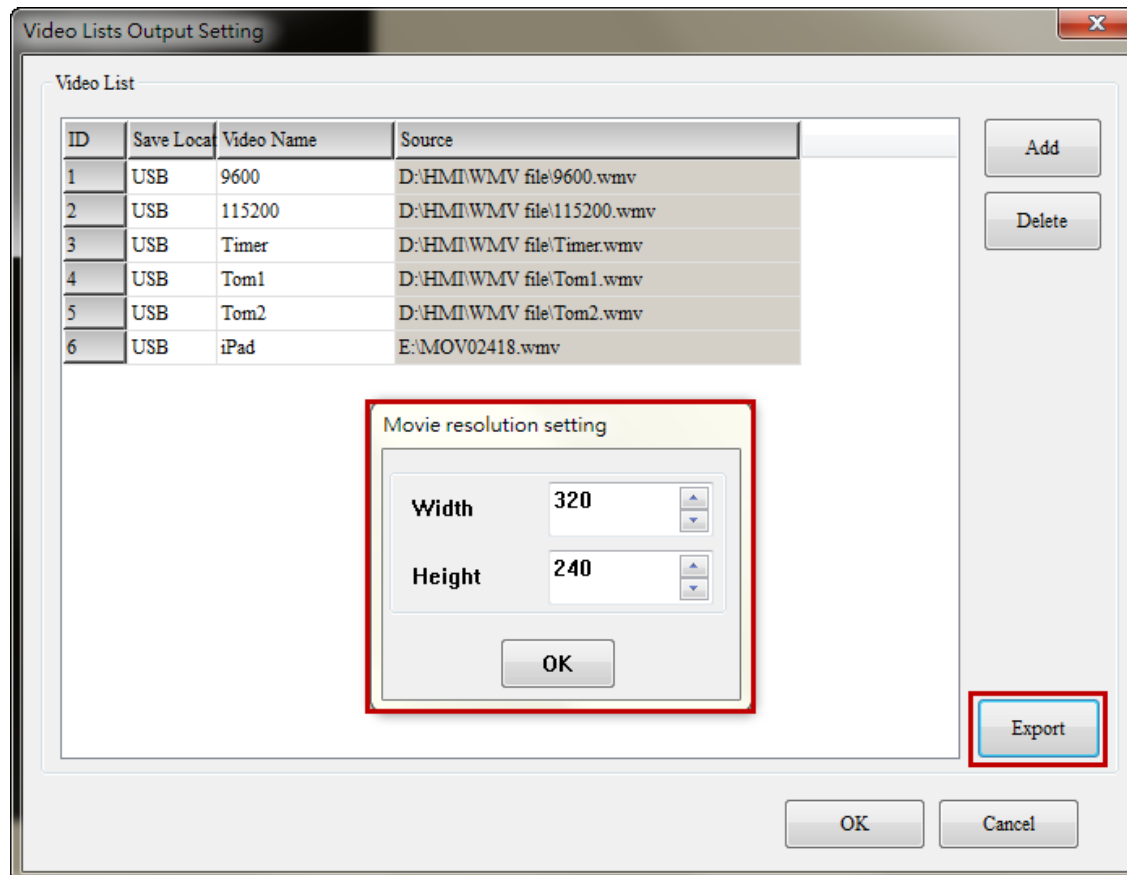
70

Multi-Language Setting

- ☑ Multi-language is only support DOP-W Series.
- ☑ Into Options > Multi-Lang Setting, enable this function and select wanted language. Also create Input > Multi-Lang Input element, after download then it could use this function.
- ☑ Multi-Language is not support online and offline simulators.

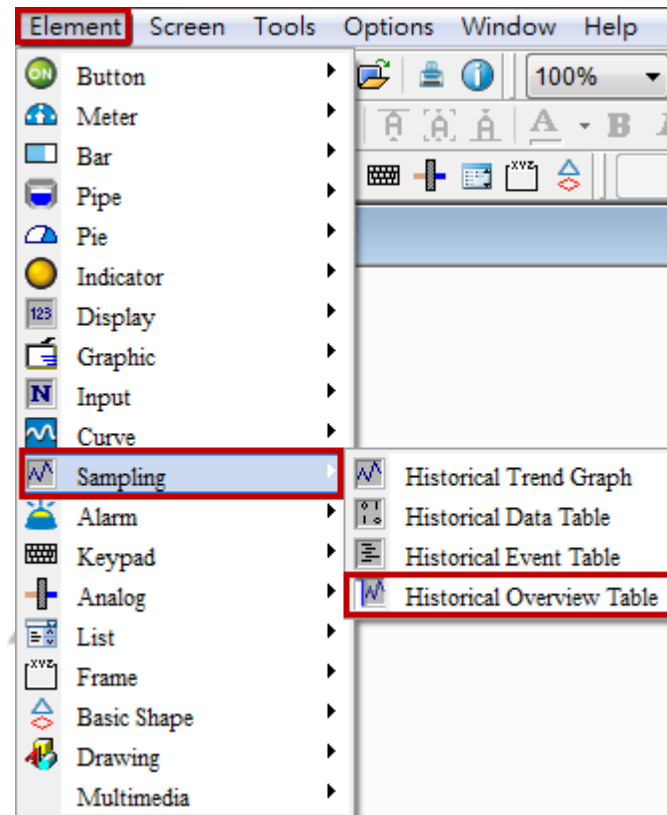


- ☑ ffmpeg tool only support at Video element with DOP-W.
- ☑ User could via export video to USB and SD, and then set resolutions with default 320x240. The resolution is support to 640x480.
- ☑ Video elements support format is WMV.



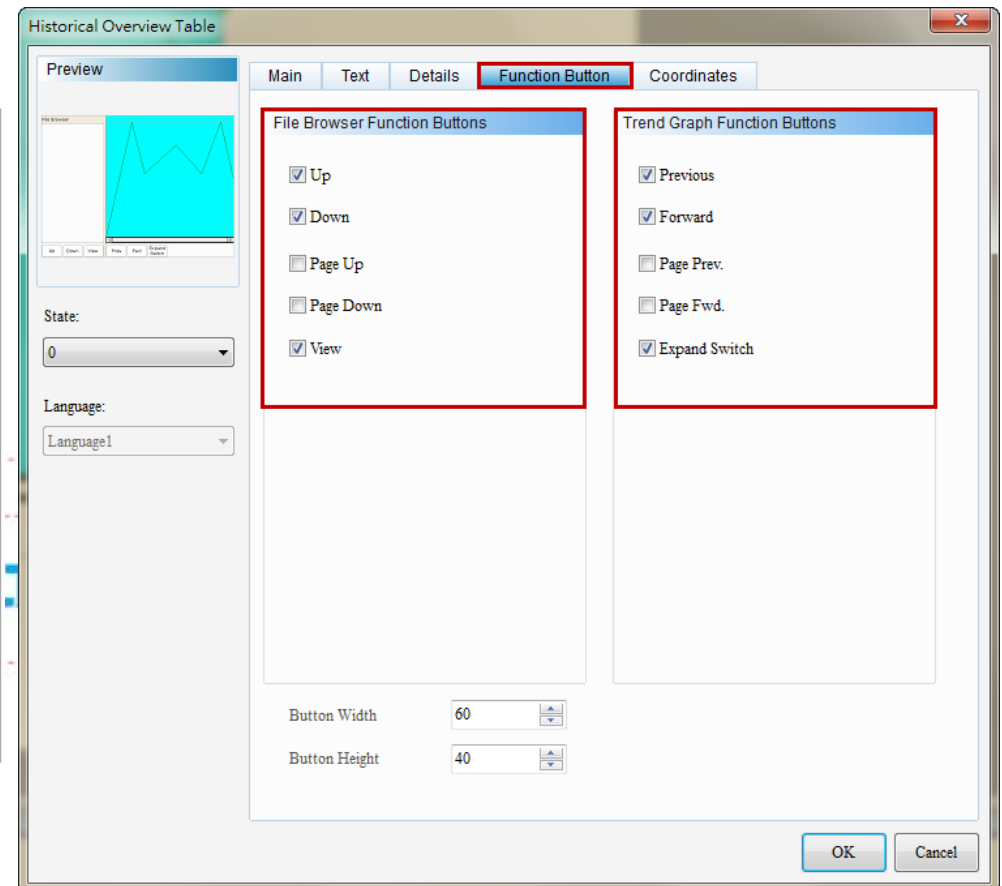
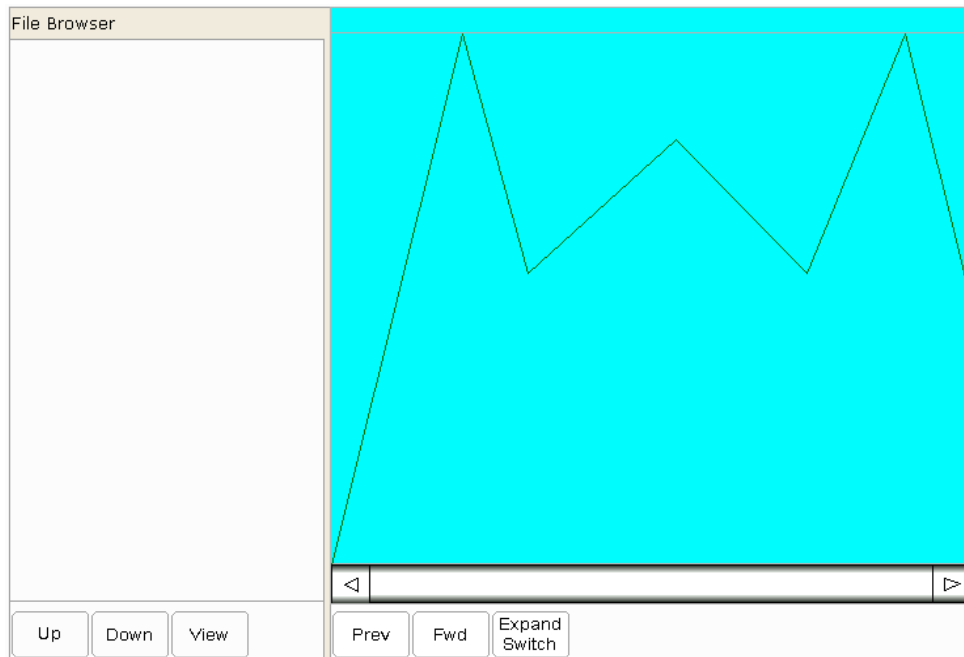
Historical Overview Table

Select Element > Sampling > Historical Overview Table



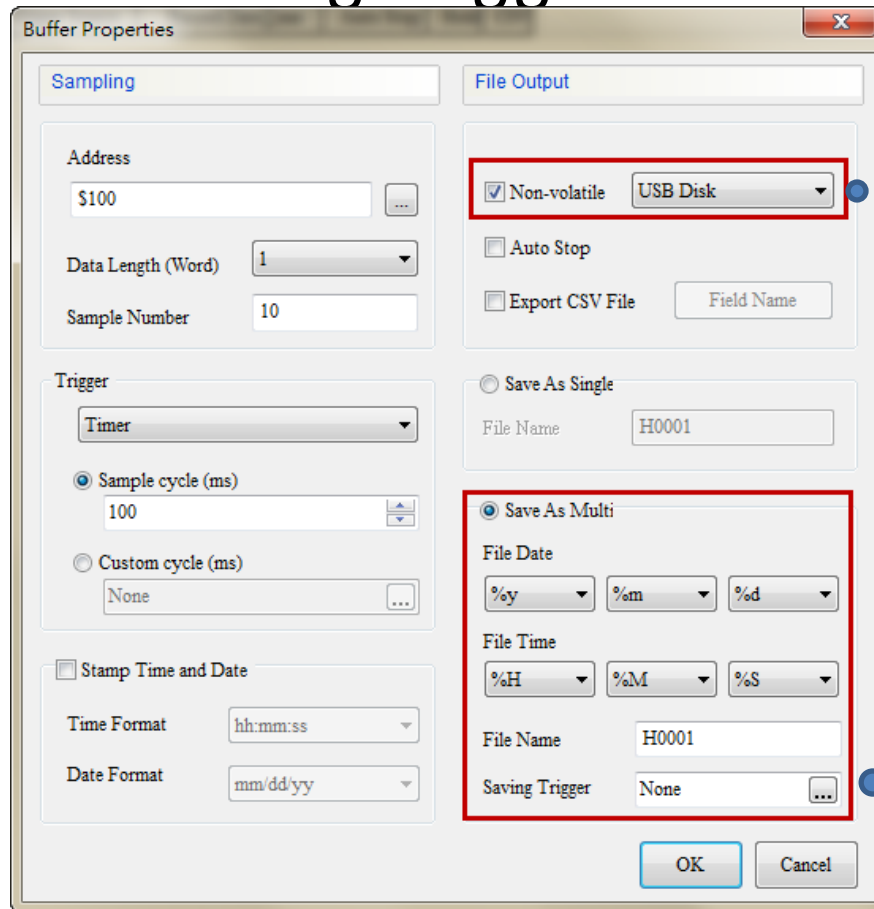
Historical Overview Table

- ☑ 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.



Buffer Properties

Sampling

Address: \$100

Data Length (Word): 1

Sample Number: 10

Trigger: Timer

Sample cycle (ms): 100

Custom cycle (ms): None

Stamp Time and Date:

Time Format: hh:mm:ss

Date Format: mm/dd/yy

File Output

Non-volatile USB Disk

Auto Stop

Export CSV File Field Name

Save As Single

File Name: H0001

Save As Multi

File Date: %y %m %d

File Time: %H %M %S

File Name: H0001

Saving Trigger: None

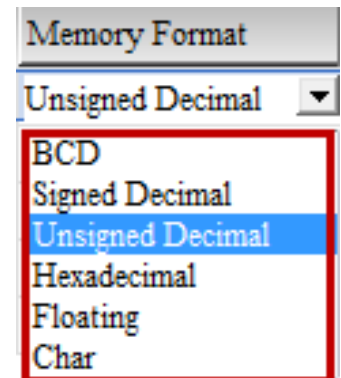
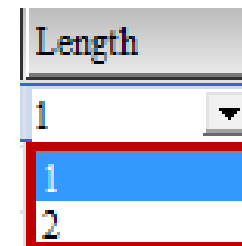
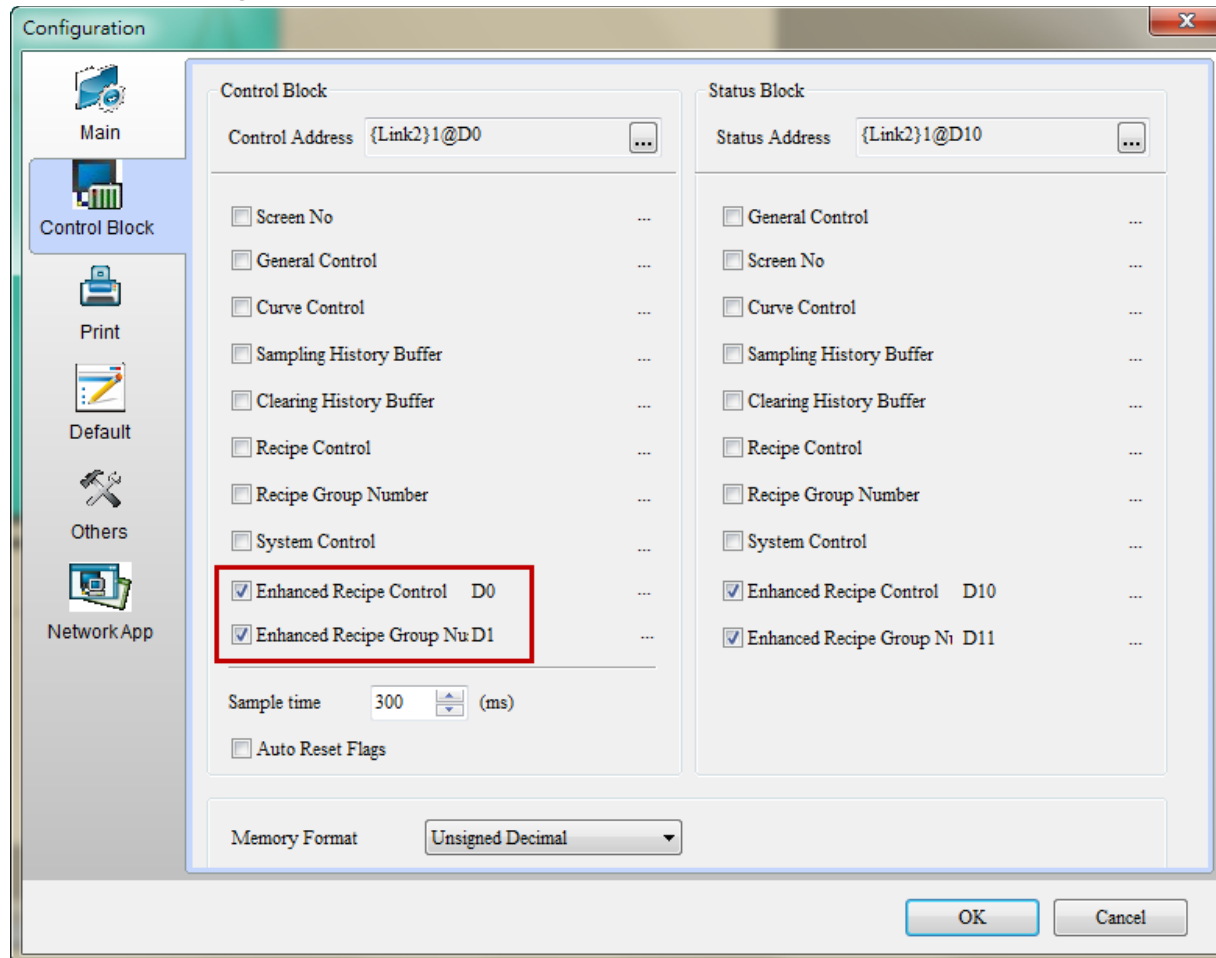
OK Cancel

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

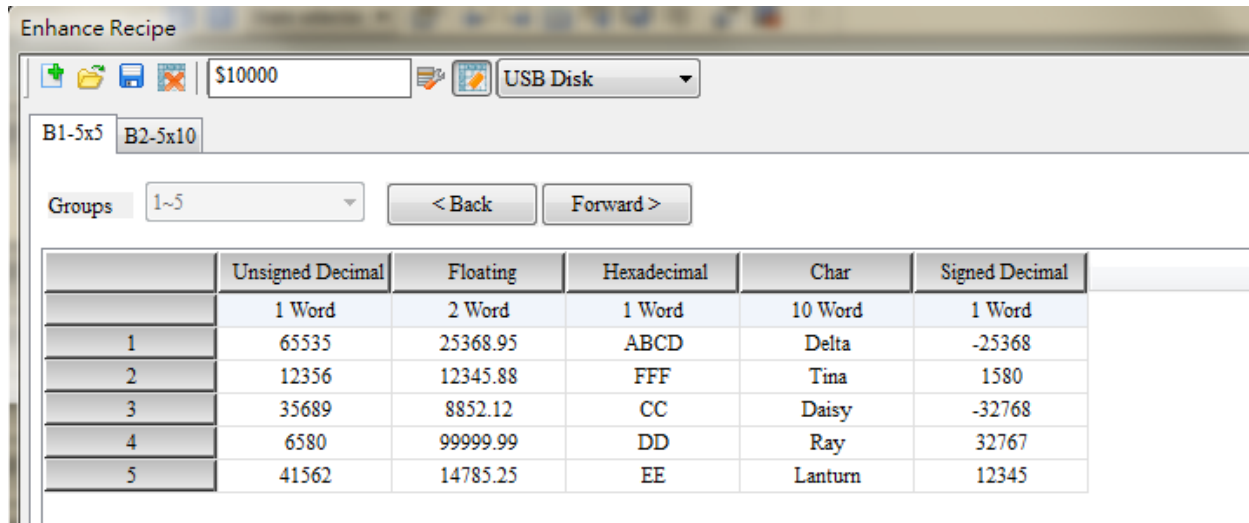
- ☑ Enhance Recipe supported data type is Word or Double Word and its data format can be BCD, Signed Decimal, Unsigned Decimal, Hex, Floating and Char.
- ☑ The read length of Char format can up to 32 Words (is equal to 64 bits).



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 ↵



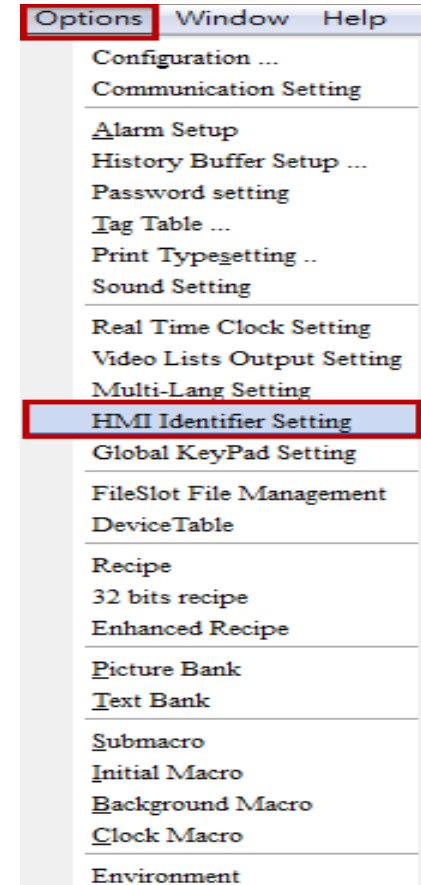
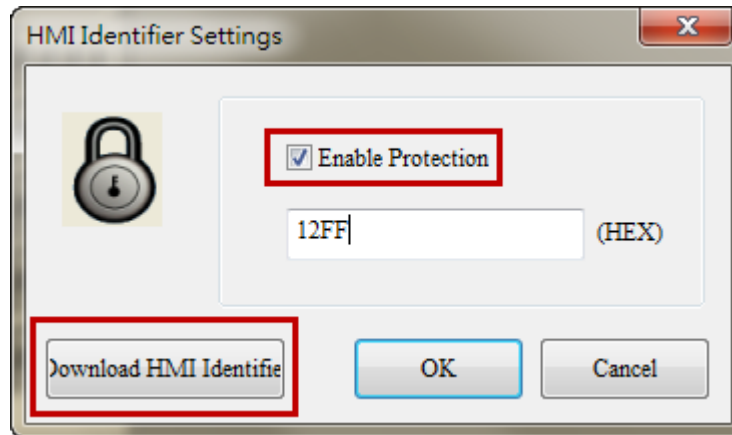
The screenshot shows the 'Enhance Recipe' software interface. At the top, there is a toolbar with icons for file operations and a text input field containing '\$10000'. Below the toolbar, there are tabs for 'B1-5x5' and 'B2-5x10'. A 'Groups' dropdown menu is set to '1~5', with '< Back' and 'Forward >' buttons. The main area contains a table with the following data:

	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.



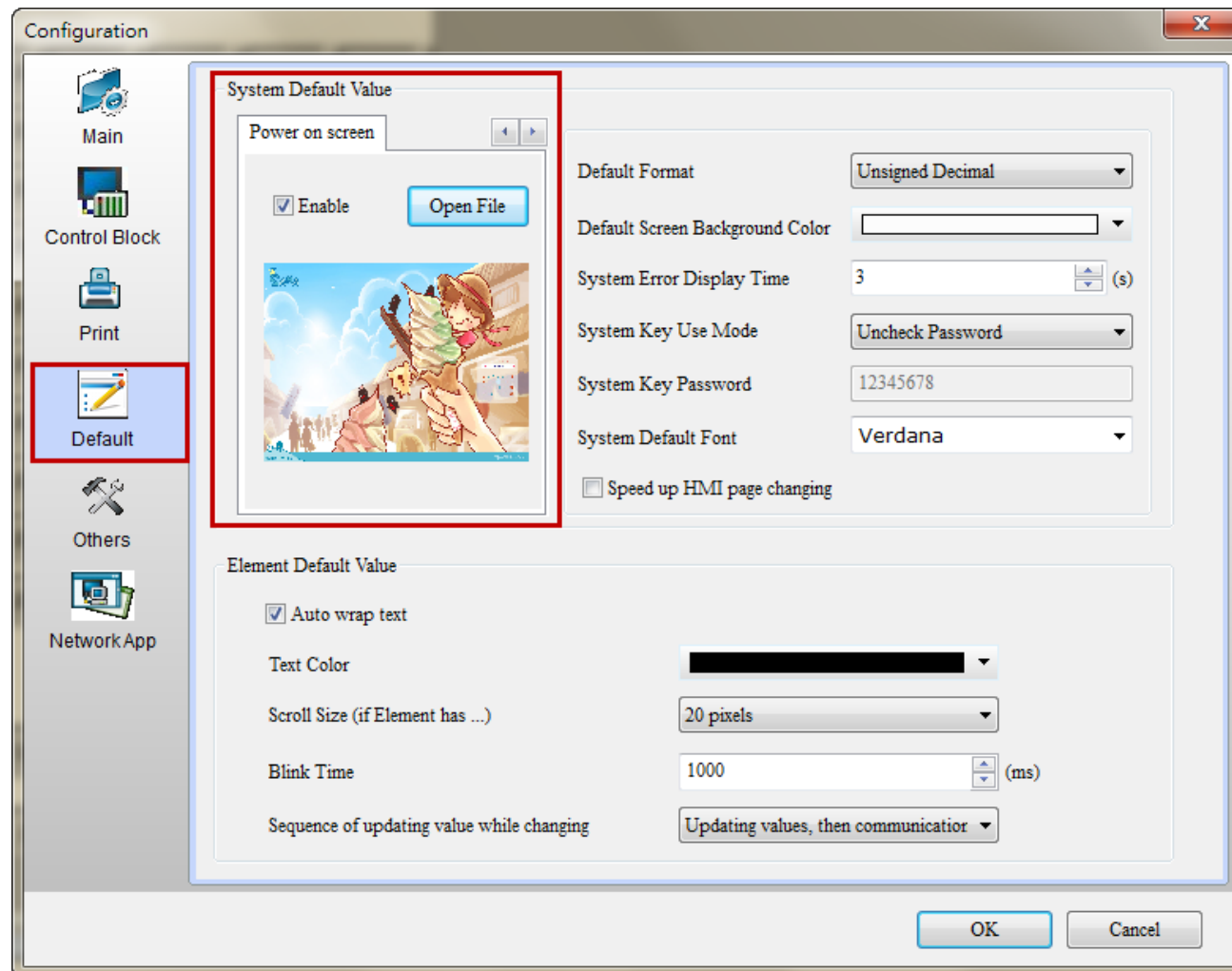
- ☑ Download all data is only download **Screen** Machine ID.
- ☑ Only execute Reset HMI could clear Machine ID data.

- ☑ 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.



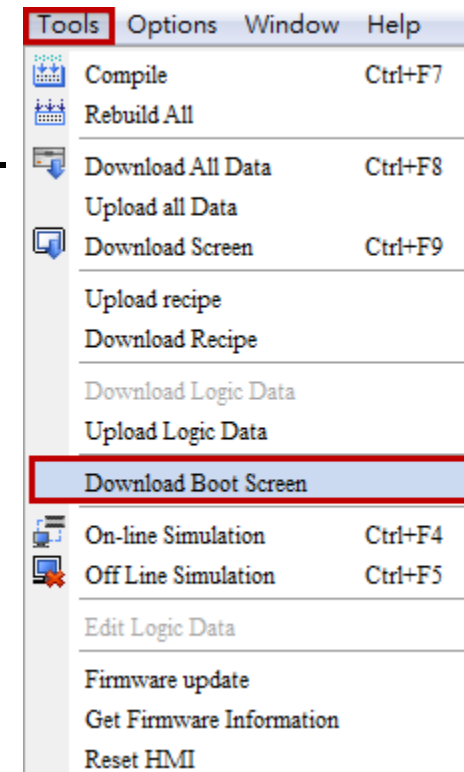
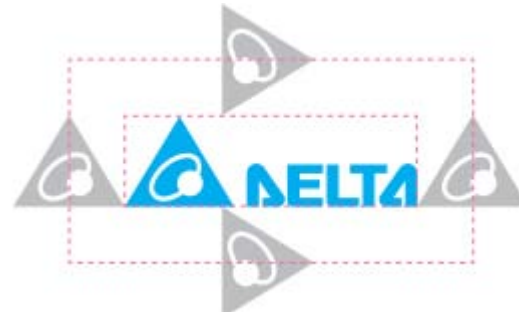
Boot Screen file

- ☑ Select Options > Configuration > Default, it could change Power on screen file.



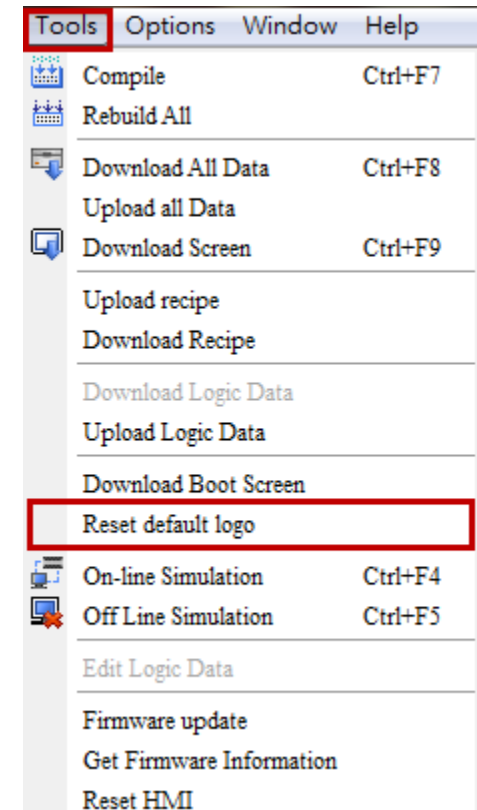
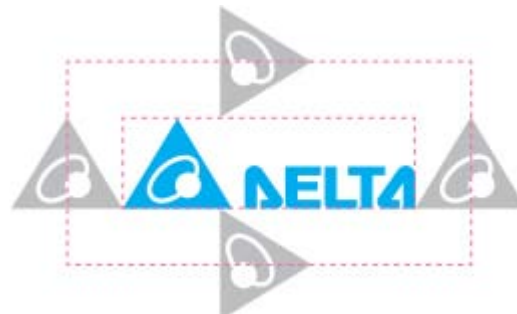
Boot Screen file

- ❑ 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.



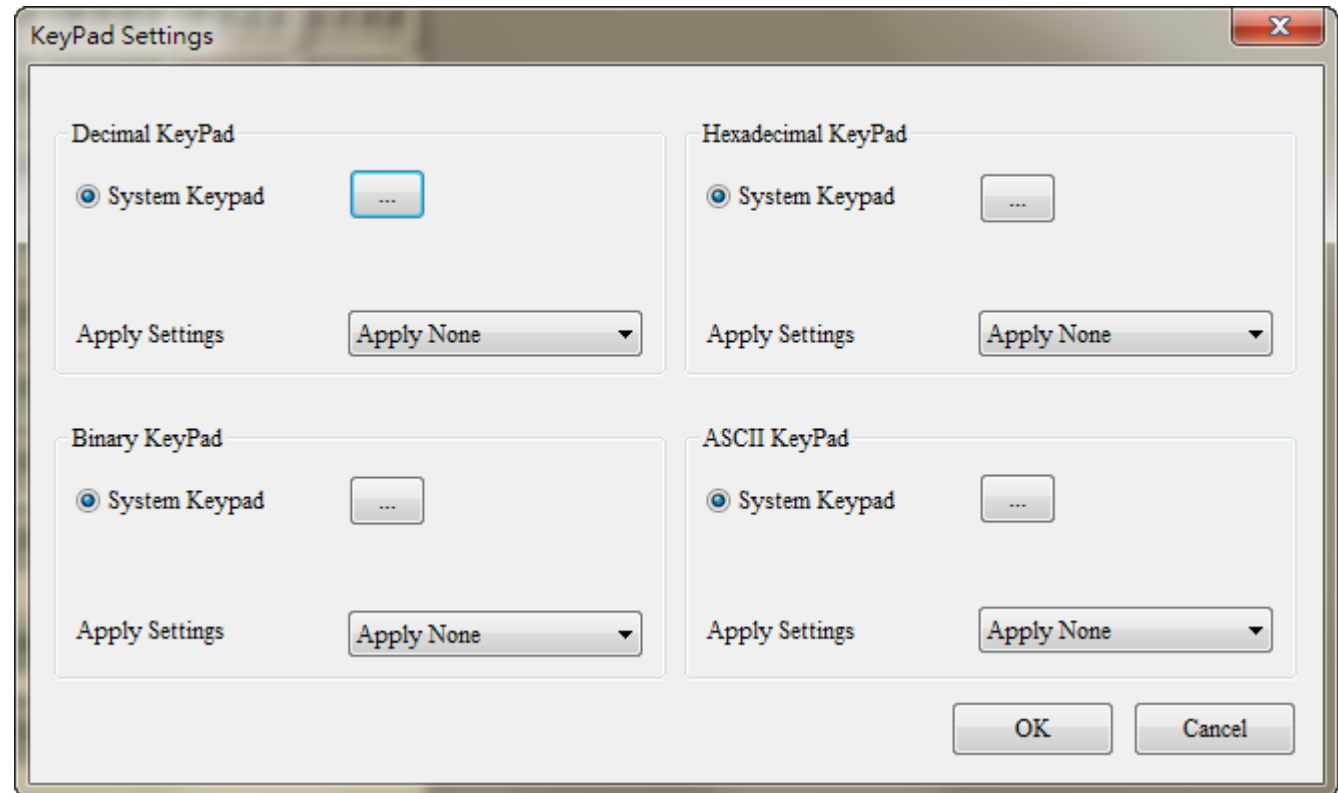
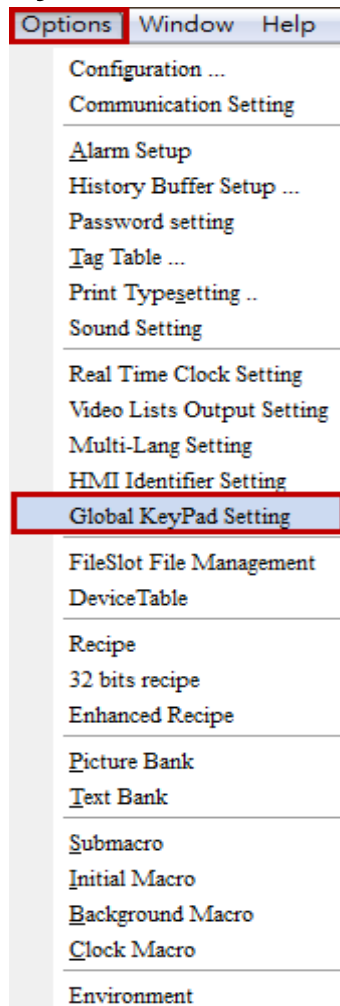
Reset Default Logo

- ❑ 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.



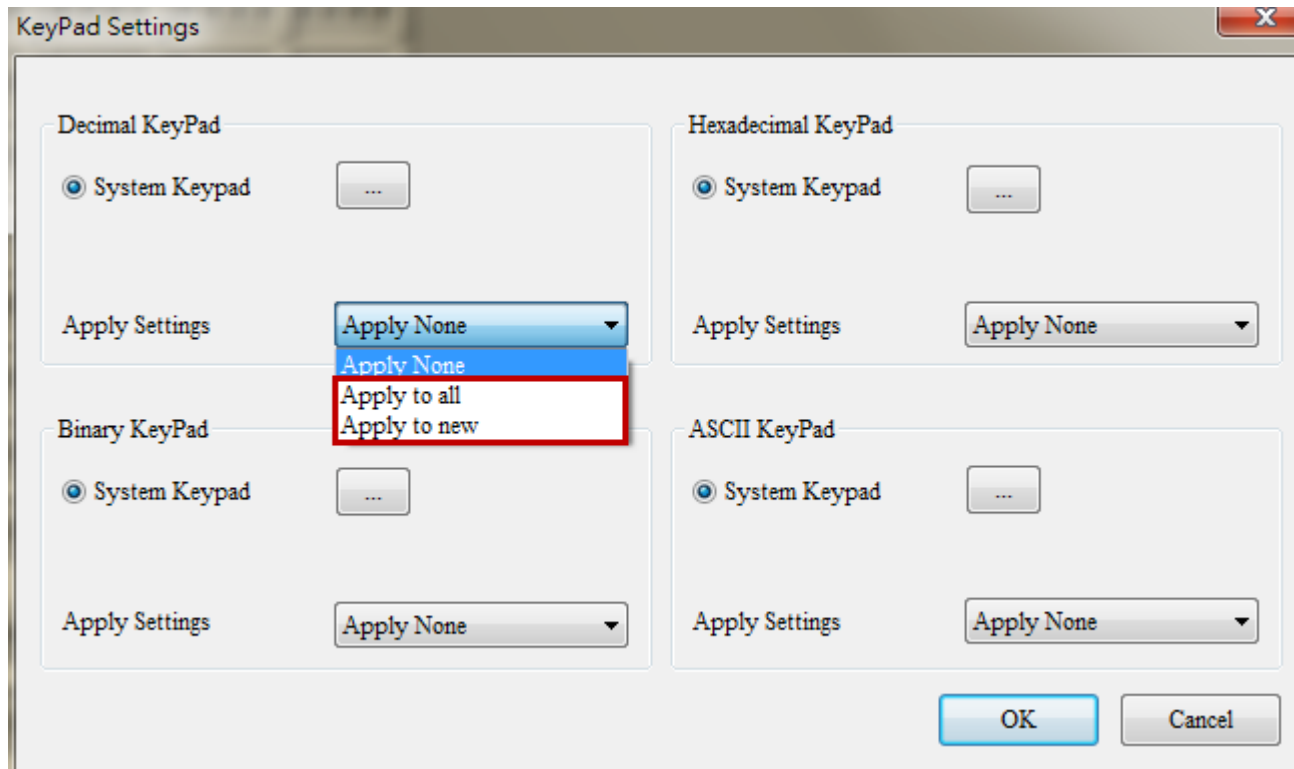
Global keypad Settings

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



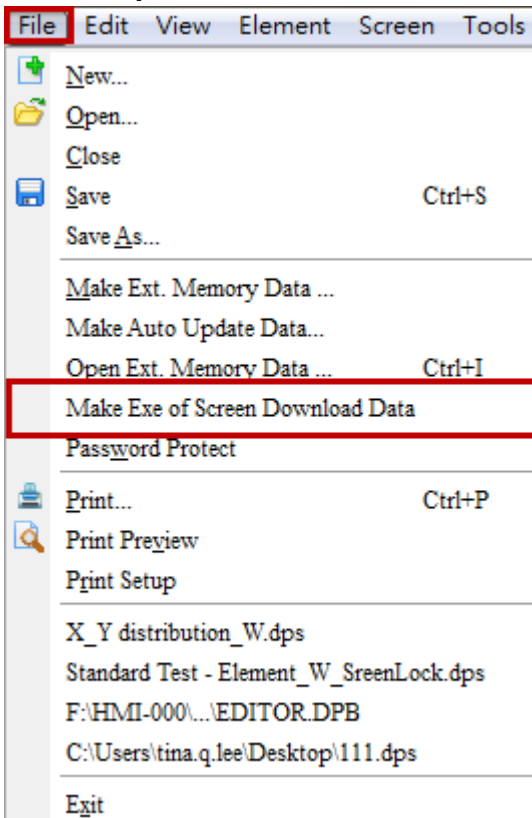
Global keypad Settings

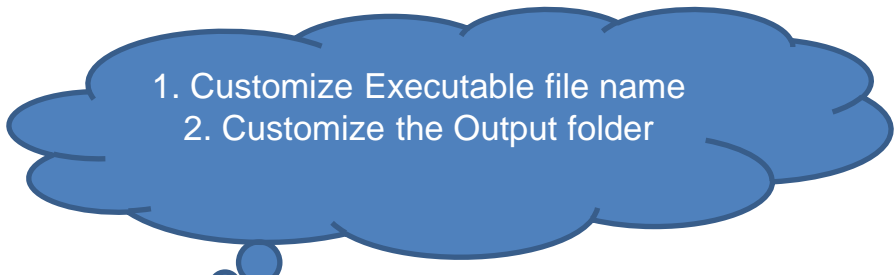
- ☑ This function will help users customize keypad style and select apply to all or apply to new by users edit.
- ☑ Select apply to all, means replace all exist keypad.
- ☑ Select apply to new, means only replace new create keypad.

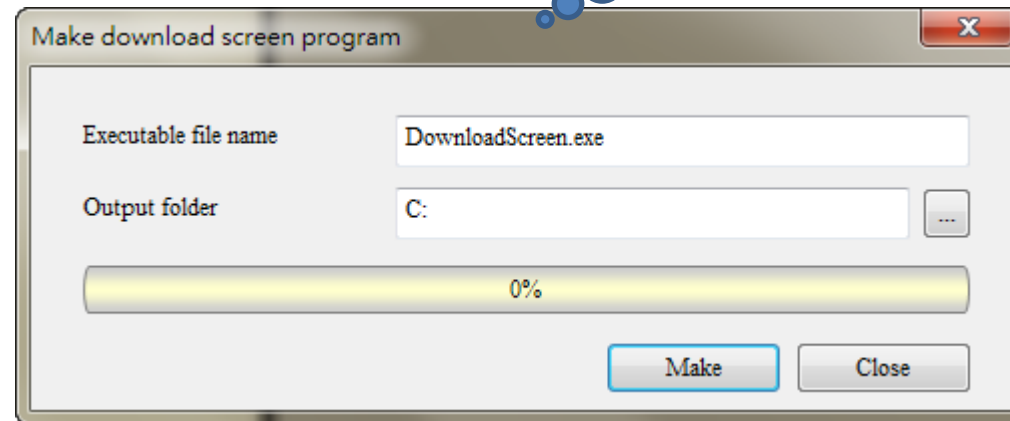


Make Execution of Screen Download Data

- ☑ 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.

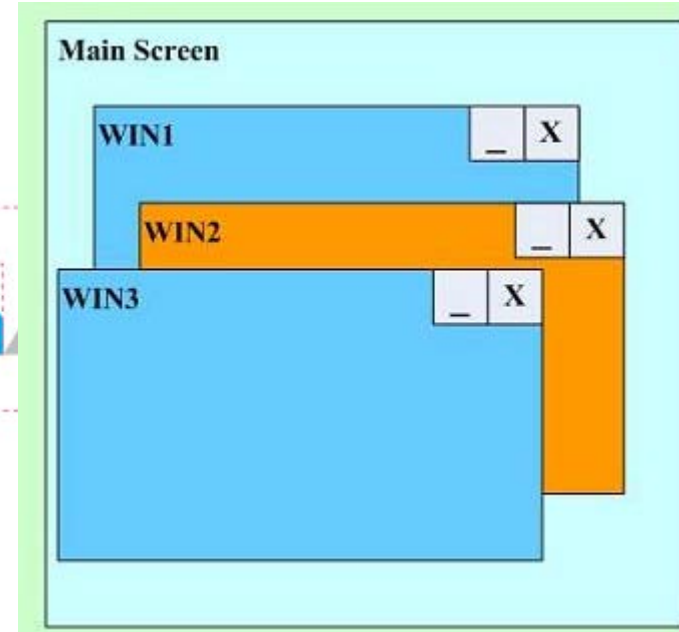
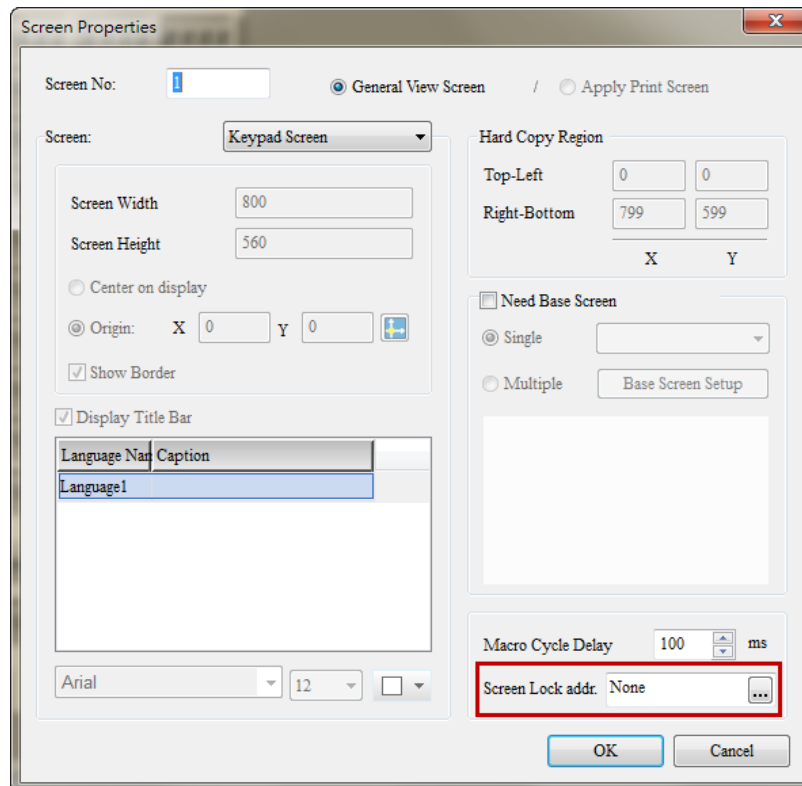


- 
1. Customize Executable file name
 2. Customize the Output folder



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.

- Set
- Reset
- Momentary
- Maintained
- Multistate
- Set Value
- Set Constant
- Increment
- Decrement

- Numeric Entry
- Character Entry
- Barcode
- Multi-Lang Input

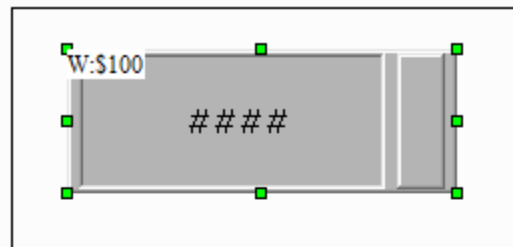
- ☑ Read address elements also provide read offset address, like Display and Pie.

- Numeric Display
- Character Display



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 Address
\$100
Write Offset Address
\$200
Read Offset Address
\$200

Numeric Entry

Preview: ####

Main | Text | Details | Macro | Coordinates

Detail

Data Type: Word

Memory Format: Unsigned Decimal

Use the system keyboard

Write Offset Addr.: \$200

Read Offset Addr.: \$200

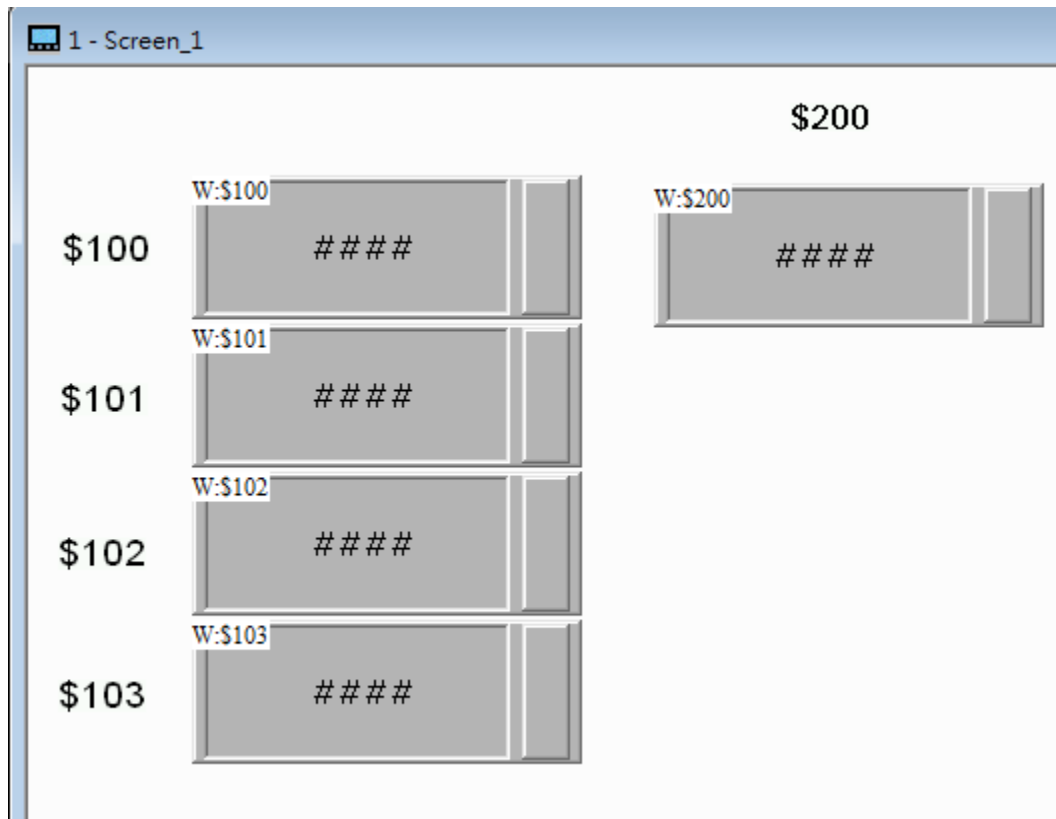
Minimum: 0

Maximum: 9999



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.

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\$100	100
\$101	200
\$102	300
\$103	400

\$200

1

Write Address \$100

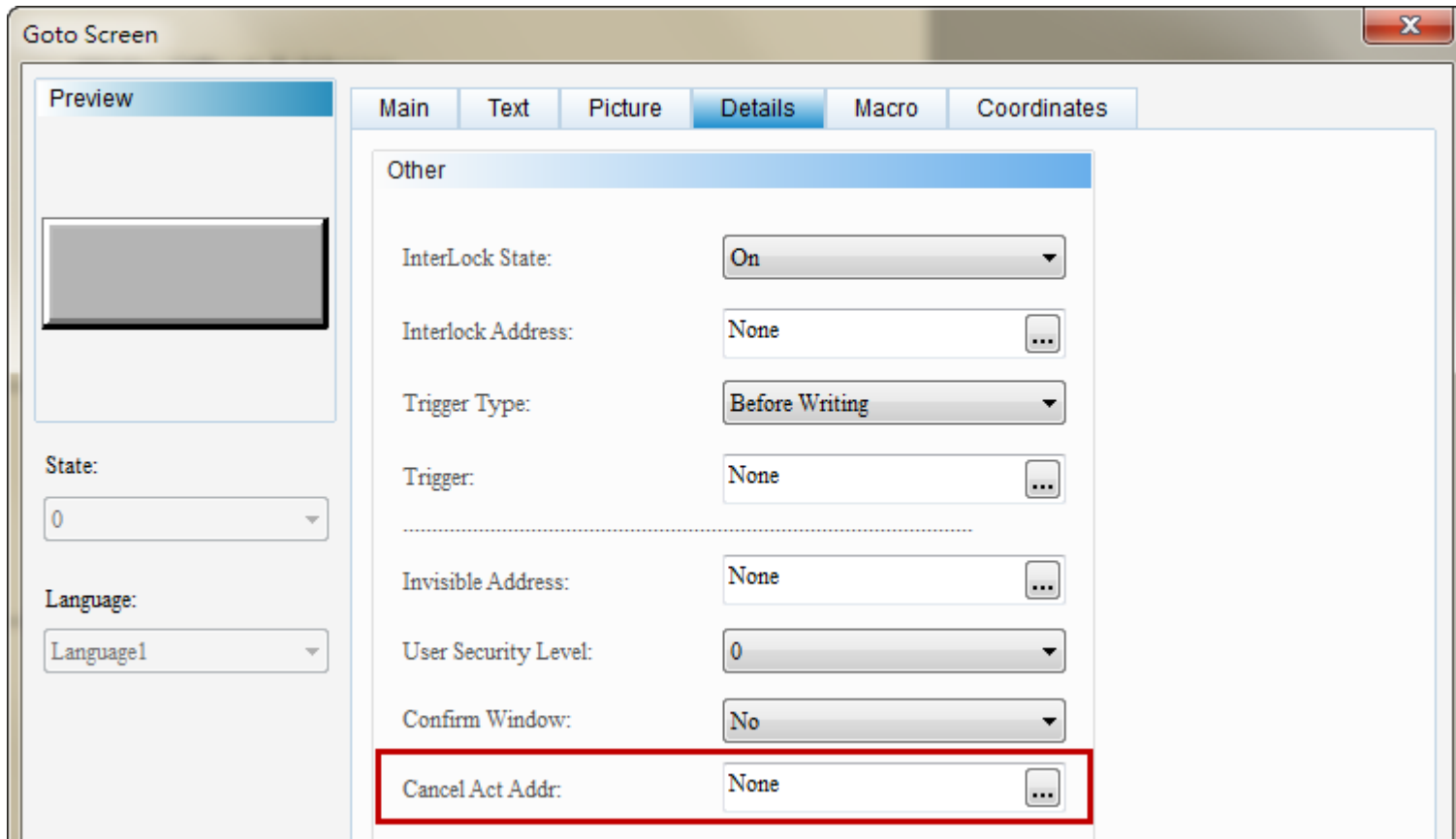
Write Offset Address \$200

Read Offset Address \$200

200

Cancel Action Address

- ☑ Goto Screen button add Cancel Action Address.
- ☑ After trigger on cancel action address, goto screen action will ineffective.



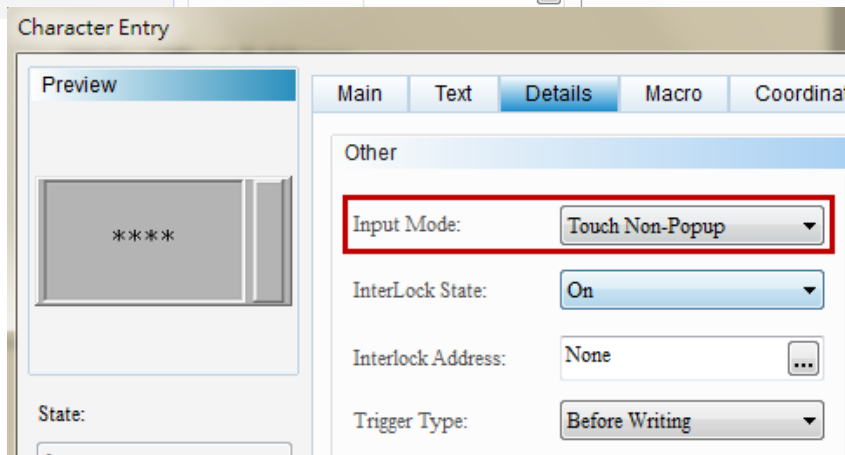
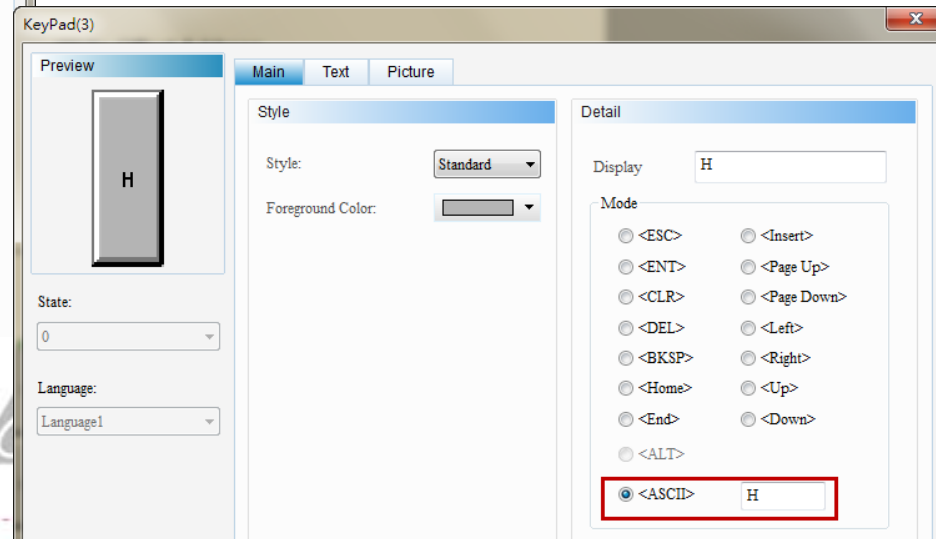
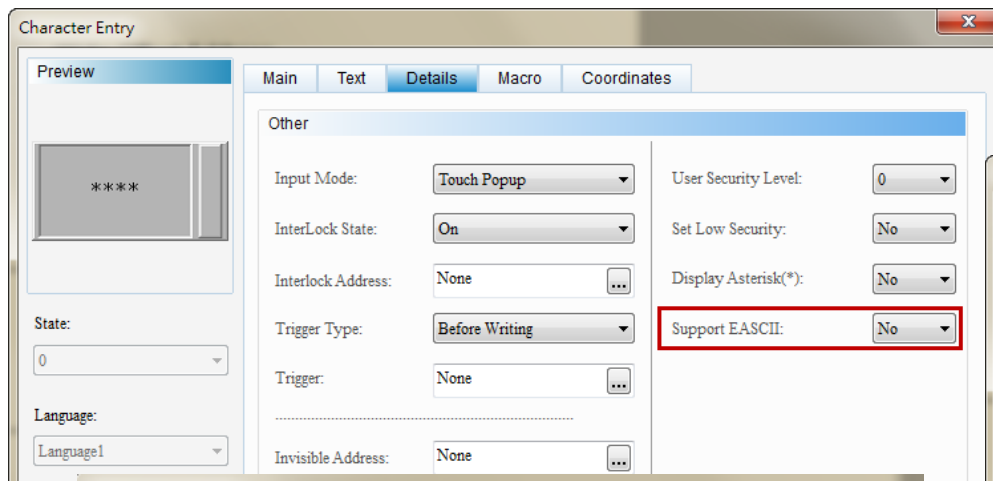
The screenshot shows the 'Goto Screen' configuration window with the 'Details' tab selected. The 'Other' section contains the following fields:

InterLock State:	On
Interlock Address:	None
Trigger Type:	Before Writing
Trigger:	None
Invisible Address:	None
User Security Level:	0
Confirm Window:	No
Cancel Act Addr:	None

The 'Cancel Act Addr' field is highlighted with a red box.

External ASCII

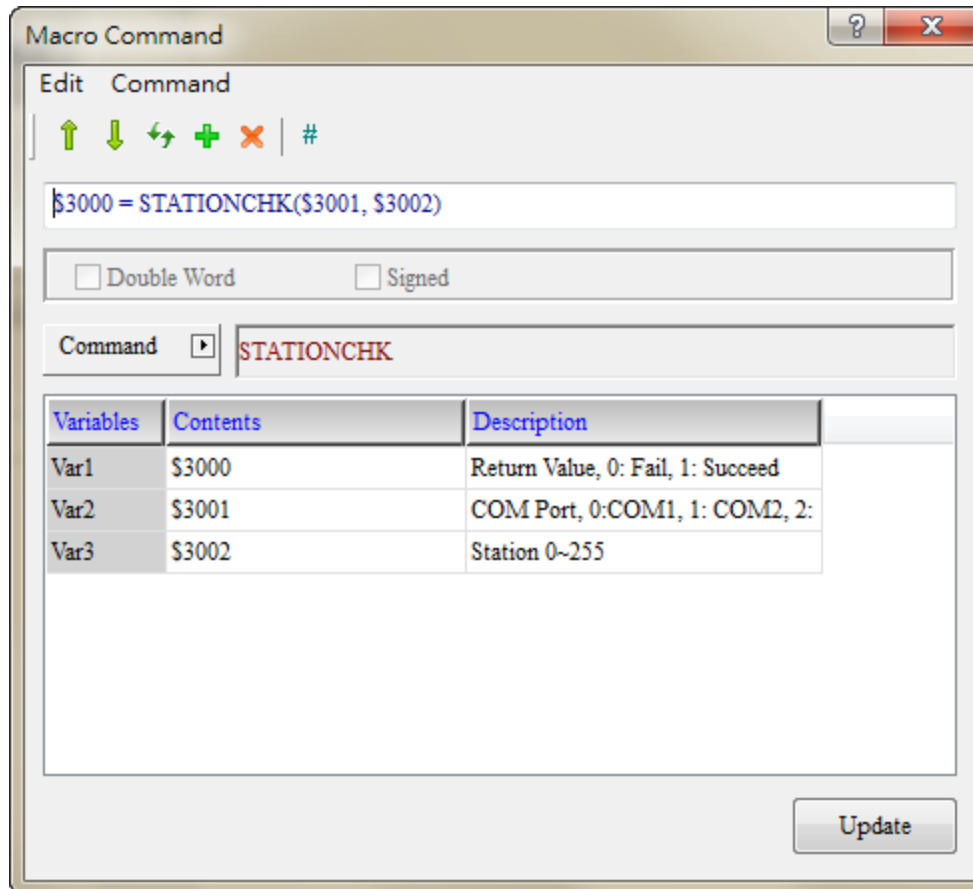
- ☑ Character Entry, Barcode, Character Display add support EXASCII function.
- ☑ Input Mode needs to set as Touch Non-Popup or Active Non-Popup and pair up the keypad elements.



- ☑ External ASCII do not support as below model type.
B04S211, B05S100, B05S101, B07S201, B07S211.

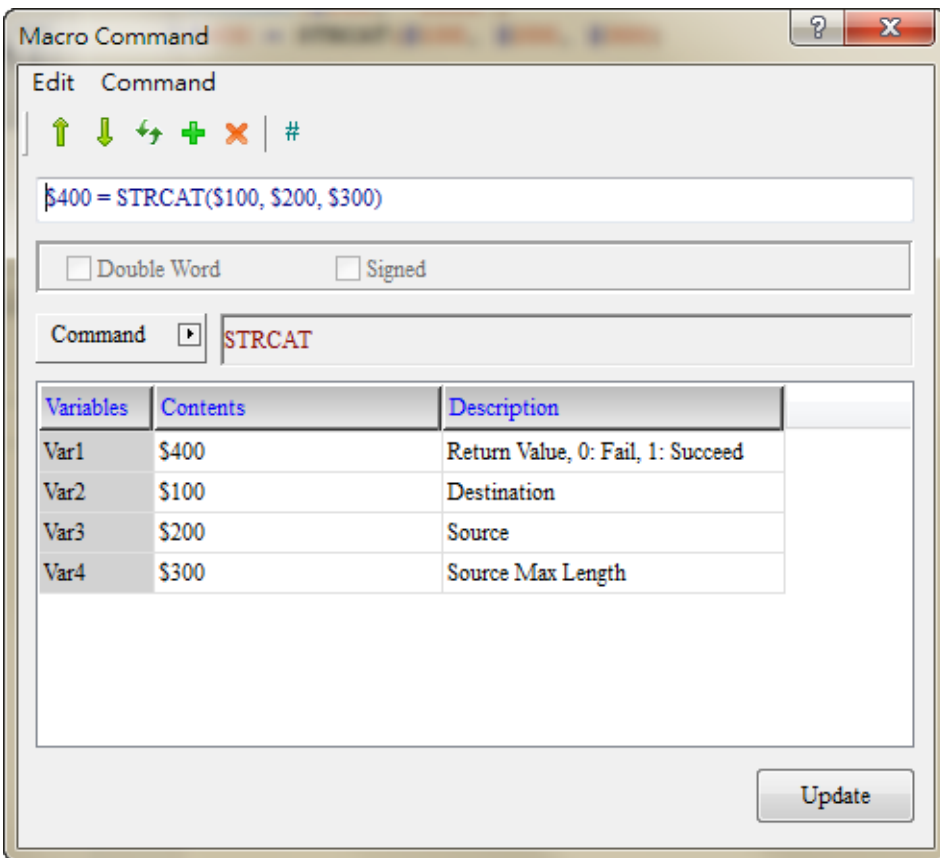
STATIONCHK Macro

- ☑ Add STATIONCHK macro, it provide users to check COM link status.
- ☑ Only refresh the link status when screen data access the PLC address.



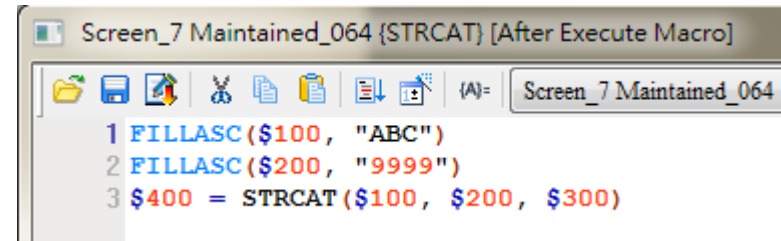
STRCAT Macro

- ☑ Add STRCAT macro command to connect string.



The screenshot shows the 'Macro Command' dialog box. The 'Command' field contains the text '\$400 = STRCAT(\$100, \$200, \$300)'. Below this, there are checkboxes for 'Double Word' and 'Signed'. The 'Command' dropdown menu is set to 'STRCAT'. A table lists variables: Var1 (\$400, Return Value, 0: Fail, 1: Succeed), Var2 (\$100, Destination), Var3 (\$200, Source), and Var4 (\$300, Source Max Length). An 'Update' button is at the bottom right.

Variables	Contents	Description
Var1	\$400	Return Value, 0: Fail, 1: Succeed
Var2	\$100	Destination
Var3	\$200	Source
Var4	\$300	Source Max Length



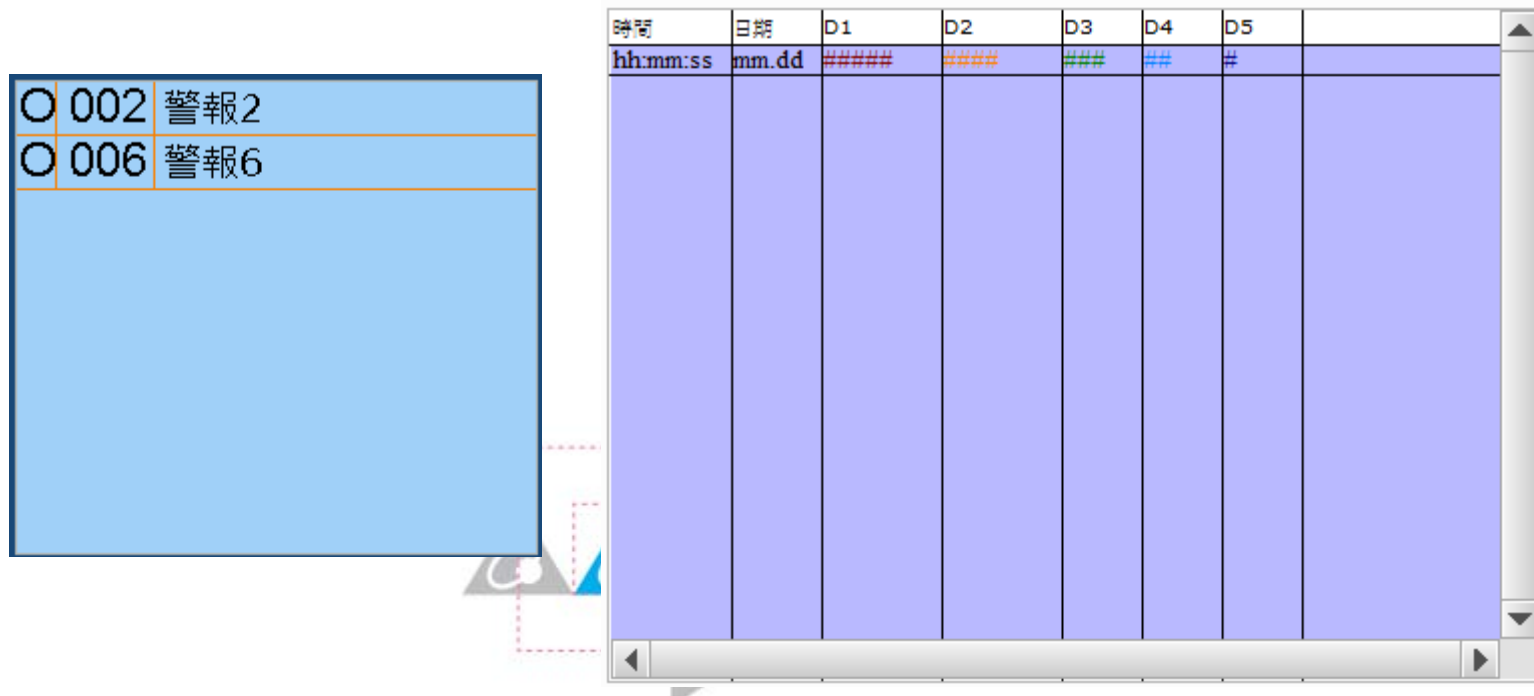
The screenshot shows the execution log for 'Screen_7 Maintained_064 {STRCAT} [After Execute Macro]'. It lists three steps: 1. FILLASC (\$100, "ABC"), 2. FILLASC (\$200, "9999"), and 3. \$400 = STRCAT (\$100, \$200, \$300).



After execute STRCAT macro command, \$100 will combine string "ABC" and string "9999" as "ABC9999".

Horizontal and Vertical Line

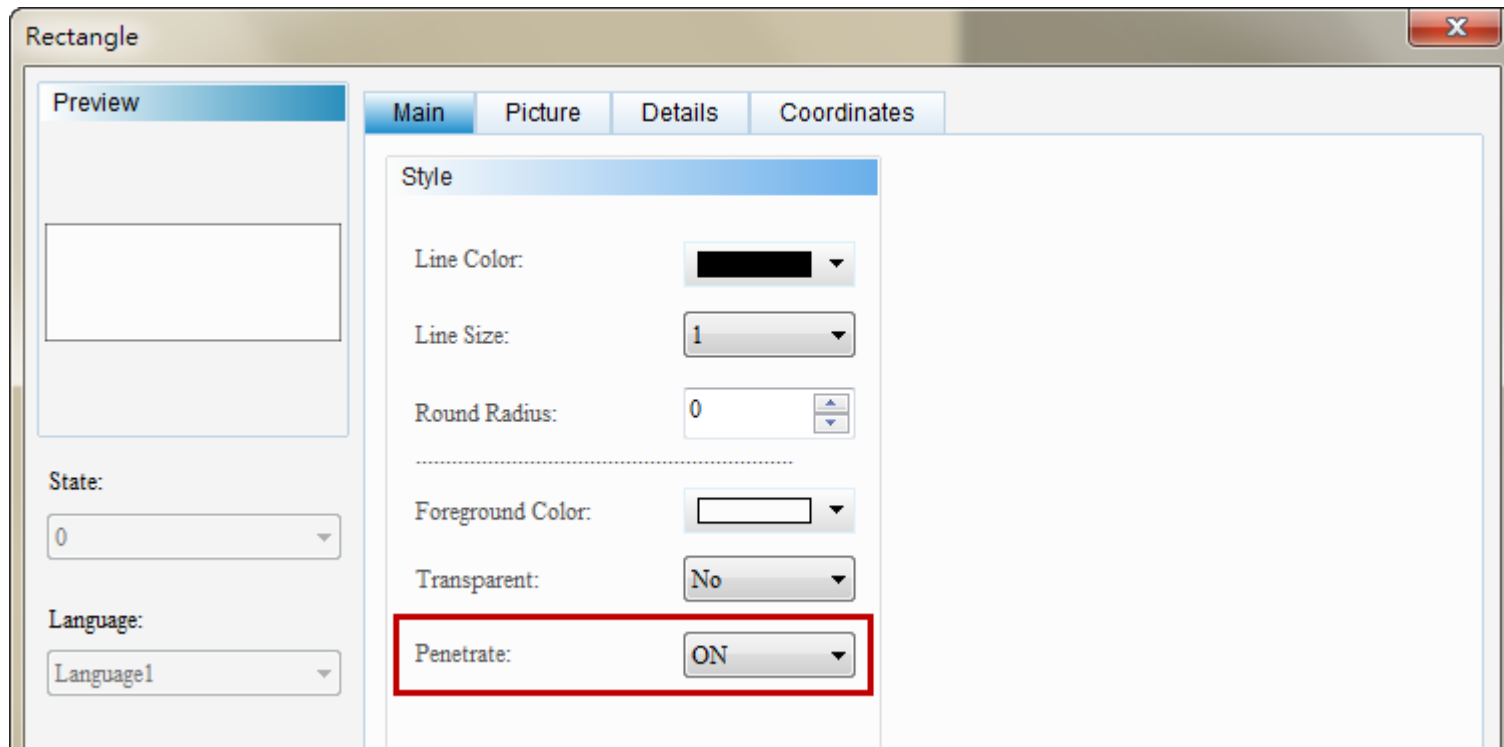
- History and alarm add draw vertical and horizontal line.



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

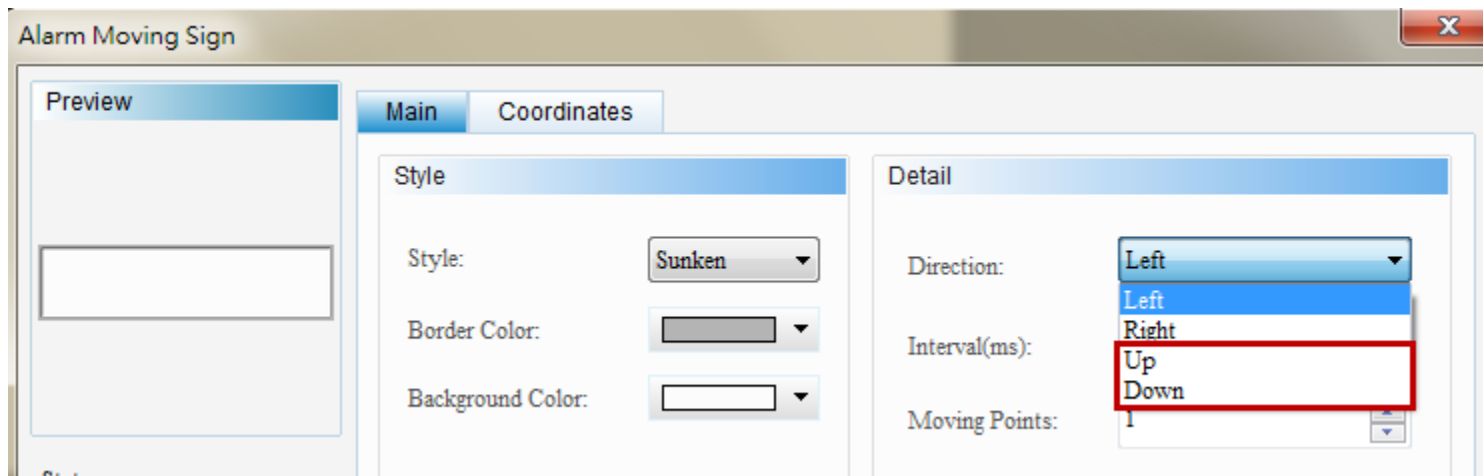
Penetrate of Rectangle

- ☑ 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.



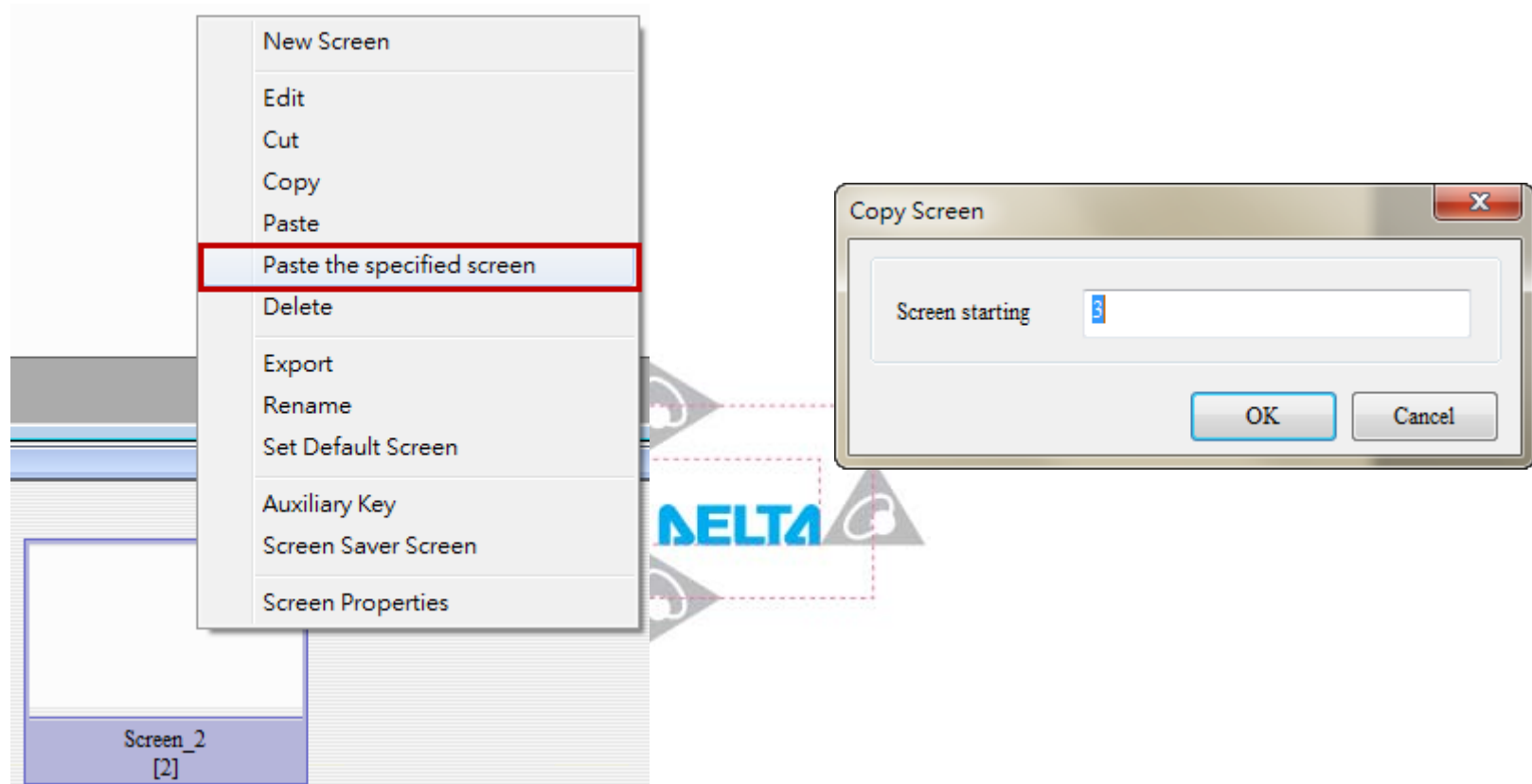
Alarm Moving Sign

- ☑ Alarm Moving Sign add Up and Down direction display.



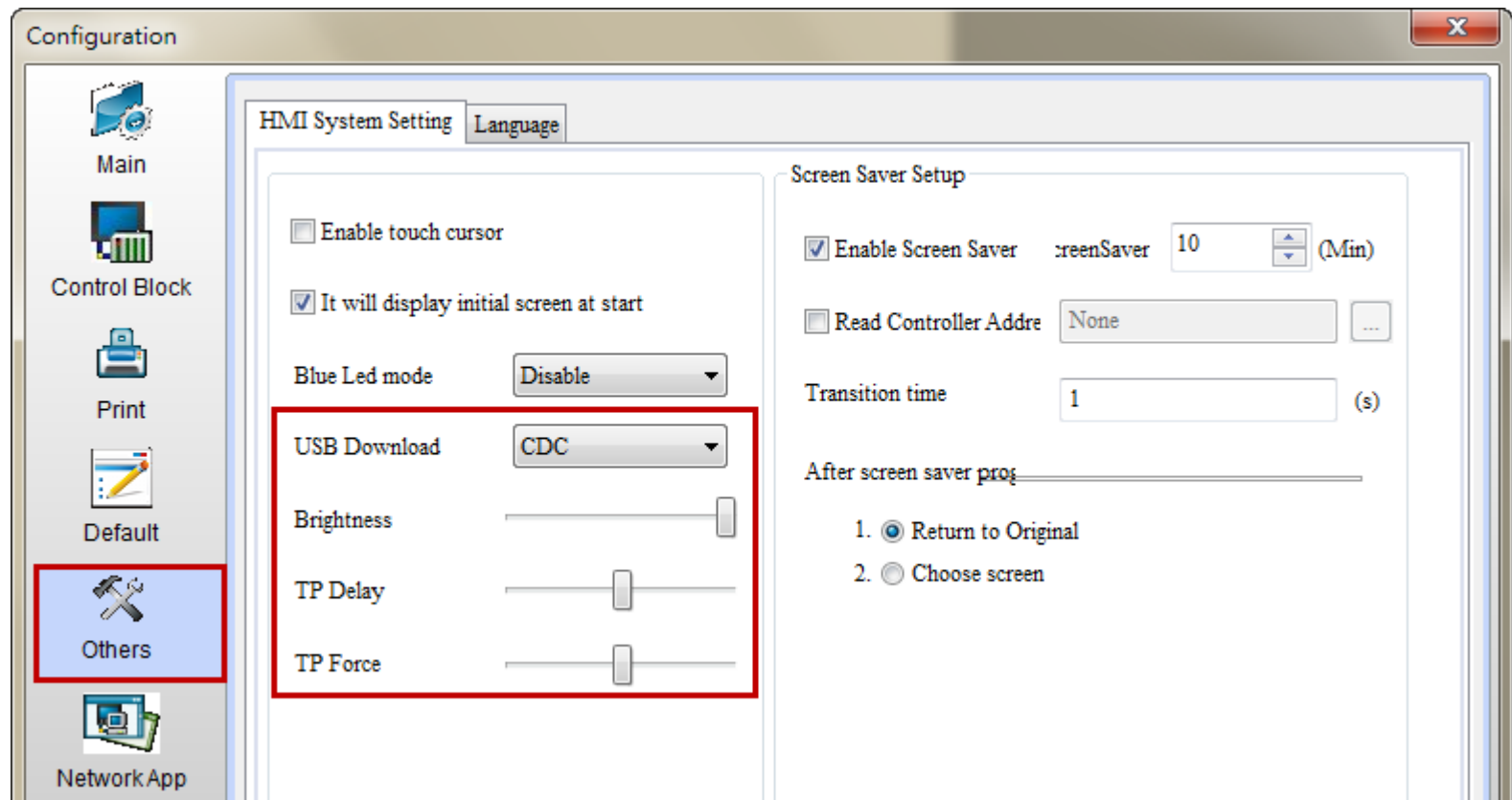
Paste the Specified Screen

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



System Parameters

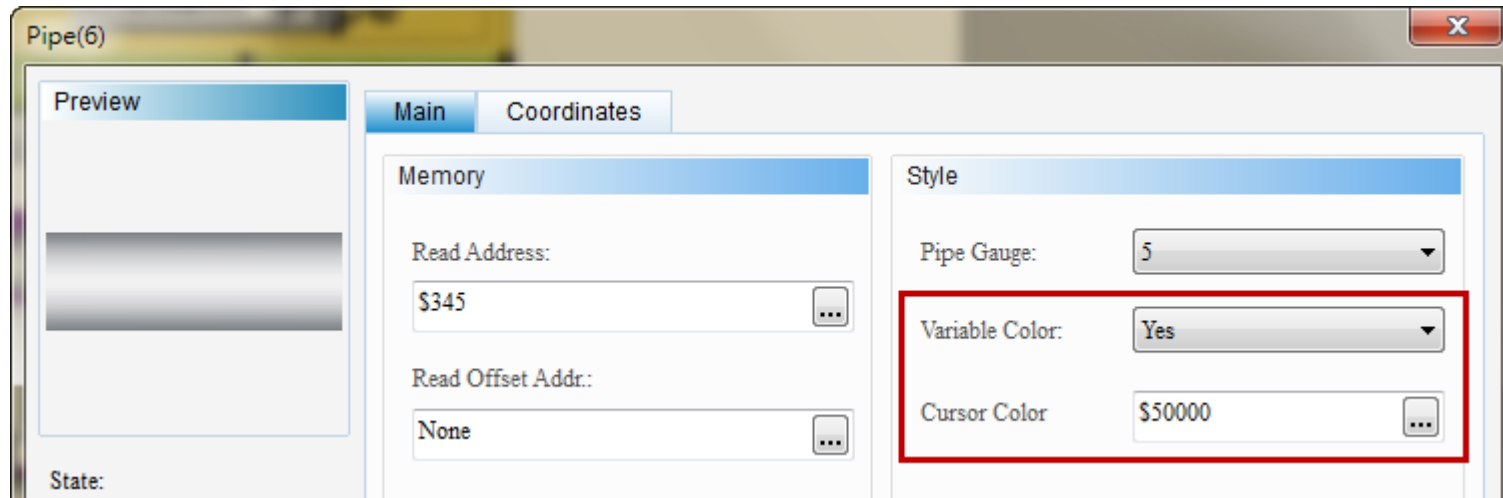
- ☑ Into Options> Configuration>Others, add some system parameters like as below figures out.
- ☑ It could set USB Download mode, Brightness, Touch Panel Delay and Touch Panel Force.





Change color for Pipe(6) 、 Pipe(7)

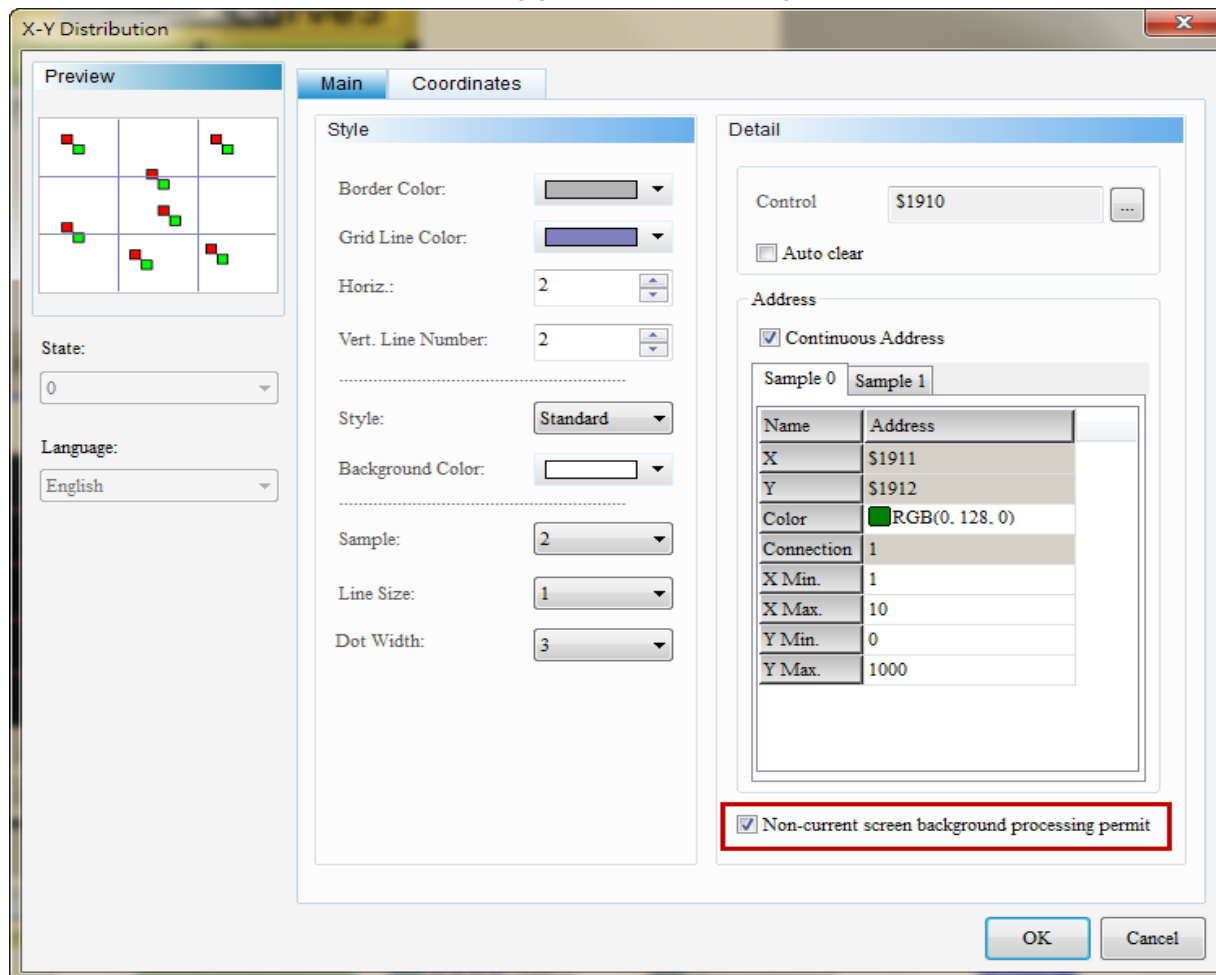
- ☑ Pipe(6) and Pipe(7) add Cursor Color with variables.
- ☑ Change the Variable color to Yes and set variable address to change the pipe flow color.





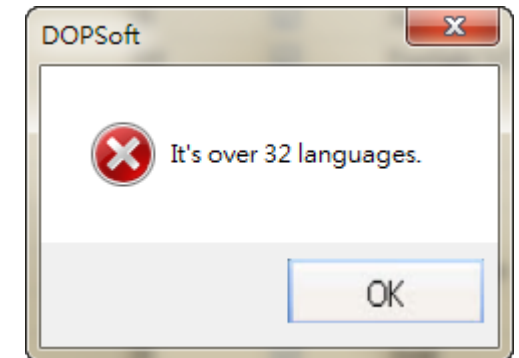
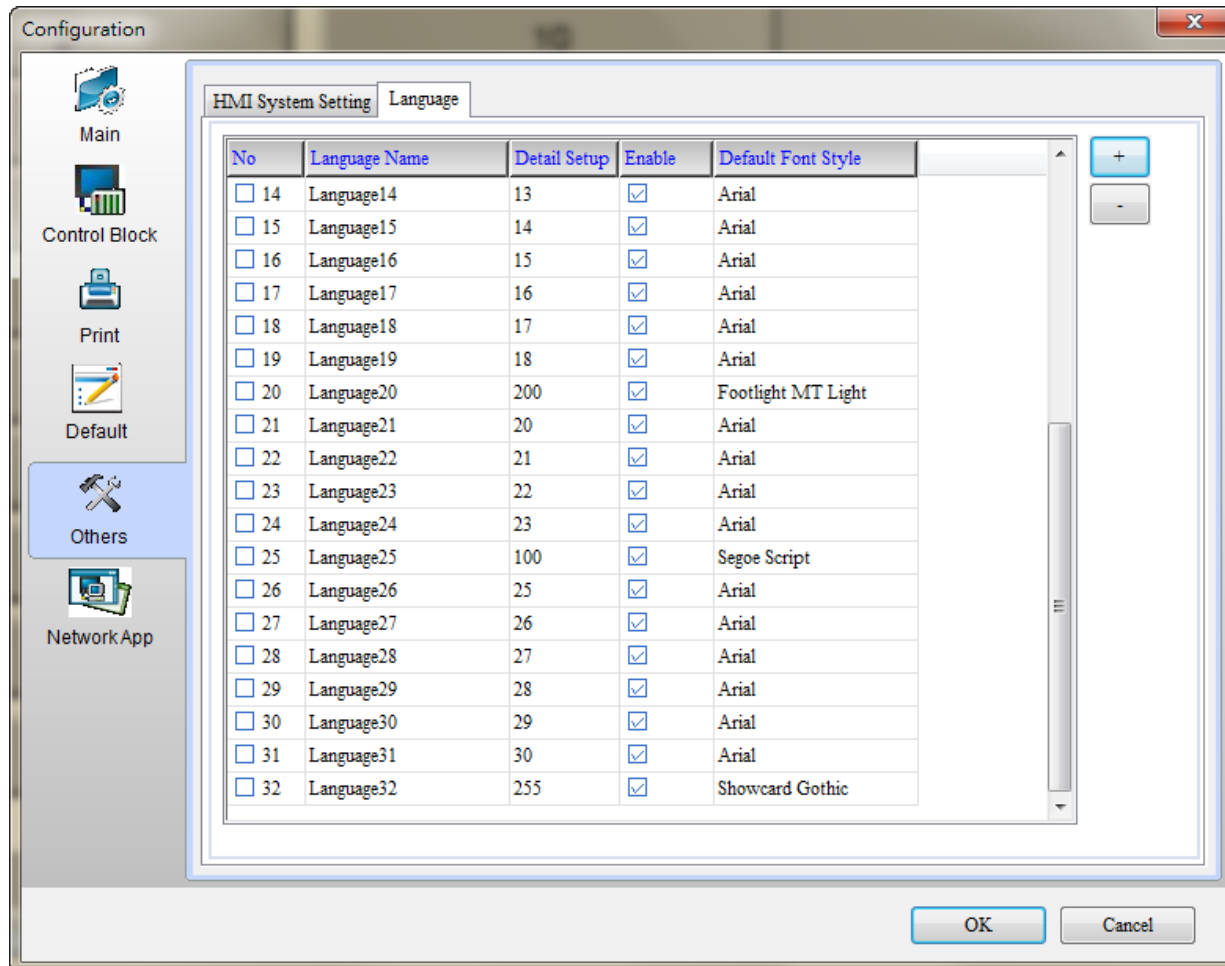
Non-current screen background processing permit

- ☑ 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.



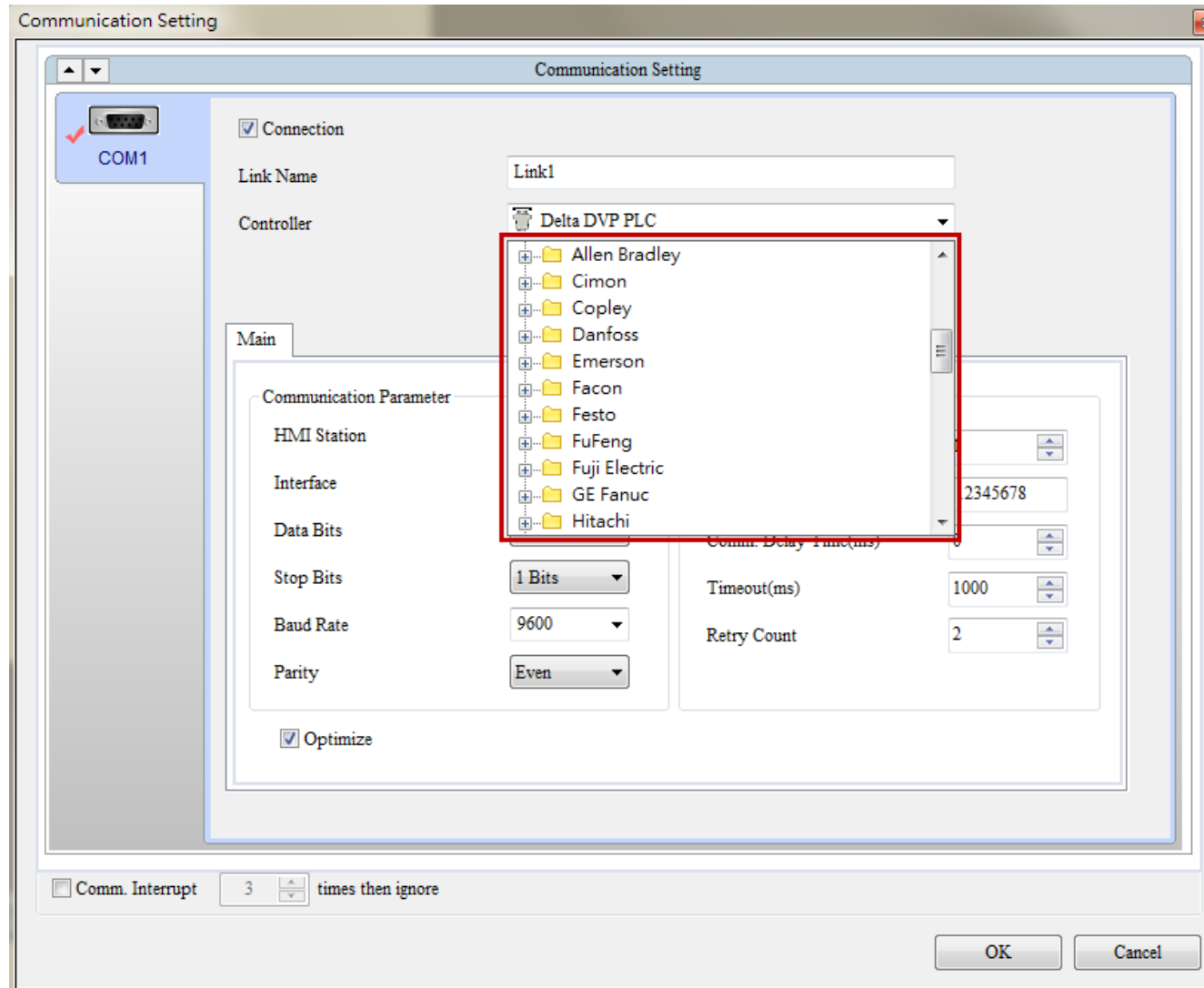
Multi-Language support to 32

- ☑ 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.



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