

# TECORP-HMI

## PLANNING SOFTWARE FAST-STEP GUIDEBOOK

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# 1. Minimum System Requirement

## 1-1 Hardware

64MB RAM

20MB of hard disk space

800\*600 dpi and 256 colors

Intel<sup>®</sup> Pentium<sup>®</sup> II/500 MHz or higher (or compatible)

## 1-2 Software

Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 or Windows XP™

Please check up the computer hardware is suitable for minimum system requirement before you install the software. In order to avoid the problems of using incompatible hardware, the system must fit in with minimum system requirement or higher. If you have any problems, please contact our customer service. The operating system is Windows2000 Professional and TECORP-HMI 1.0 vision.

## 2. Function Outline

### 2-1 HMI Specification

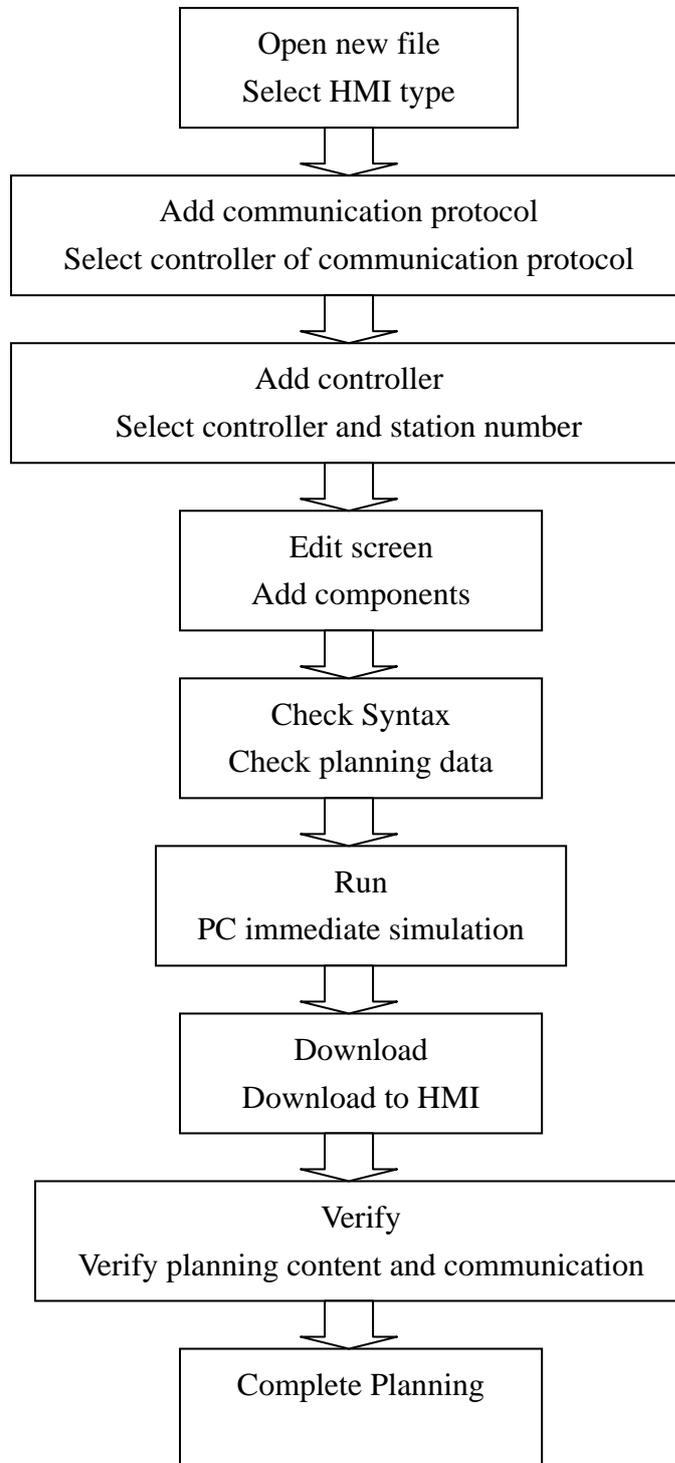
#### Specification 1

Item \ Model	SP550	SP500
Monitor	5.7 inches DSTN LCD	5.7 inches STN LCD
Color	256 colors	16 shades of gray
Back light	CCFL (20,000 Hour)	
Display Resolution	320*240	
Display range (mm)	115.2(W) * 86.4 (H)	
Brightness adjust	Digital 0~100 (by touch screen)	
Contrast Adjust	Digital 0~100 (by touch screen)	
Language	Chinese(Traditional) 、 Chinese(Simplified) 、 Japanese 、 French 、 Thai 、 Korean 、 English 、 Denmark 、 German 、 Russian 、 Swedish 、 Indonesia 、 Indic 、 Bulgarian 、 Croatian 、 Icelandic 、 Hungarian 、 Turkmen 、 Turkish 、 Bengali 、 Nepalese 、 Portuguese 、 Hebrew 、 Greek 、 Frisian 、 Estonian 、 Ireland 、 Latin 、 Norwegian 、 Czech 、 Slovenian 、 Slovak 、 Occitan 、 Persian 、 Polish 、 Bosnian 、 Ukrainian 、 Uzbek 、 Javanese 、 Guarani 、 Belo Russian 、 Lithuanian 、 Romanian 、 Italian 、 Finnic, etc .	
Touch Screen	4 Line Resistance	
Com Port 1	RS232/RS422/RS485 (Speed : Maximum 115200 bps)	
Com Port 2	RS232/RS422/RS485 (Speed : Maximum 115200 bps)	
Memory	2Mb	
Perpetual calendar	Built-in	
Printer Interface	Option	
Network Interface	Option	

## Specification 2

Item \ Type	SP550	SP500
Voltage	DC24V	
Power	5W	
Working temperature	0°C ~ +55°C	
Working humidity	20 ~ 90%	
Storage Temperature	-20°C ~ +70°C	
Storage Temperature	20 ~ 90%	
Vibration Endurance	10Hz ~ 55 Hz, Amplitude 0.5mm, X、Y、Z direction 60min	
Anti-static electricity	Contact Discharge : -6KV ~ +6KV (IEC61000-4-2 Level 3) Non-contact Discharge : -20KV ~ +20KV (IEC61000-4-2 level 4)	
Cooling method	Air convection cooling	

## 2-2 The Flow Chat



### 3. Operation Example

This manual will make examples and take simple way leading you to understand read-out and write-in on basic. In order that beginner can quickly recognize how to use The Planning Software "TECORP-HMI".

#### 3-1 Explanation

This example explains how applying read-out and write-in to control brightness on HMI. Due to variable brightness is of internal system, the details need reading on "TECORP-HMI Planning Software manual". Please take steps by under examples.

#### 3-2 Read-out example

Step 1 : Open new file in the red circle after running TECORP-HMI ( Illustration 3-2-1).

Select a type of HMI, SP500 is 16 shades of gray, and SP550 is 256 colors.

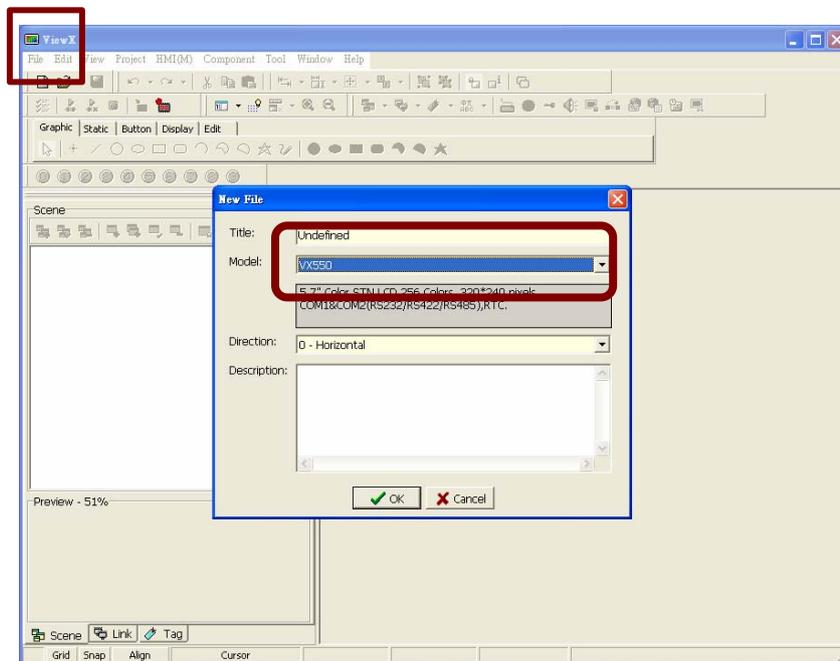


Illustration 3-2-1

Step 2 : Set communication protocol. ( Illustration 3-2-2 、 3-2-3 ) ◦

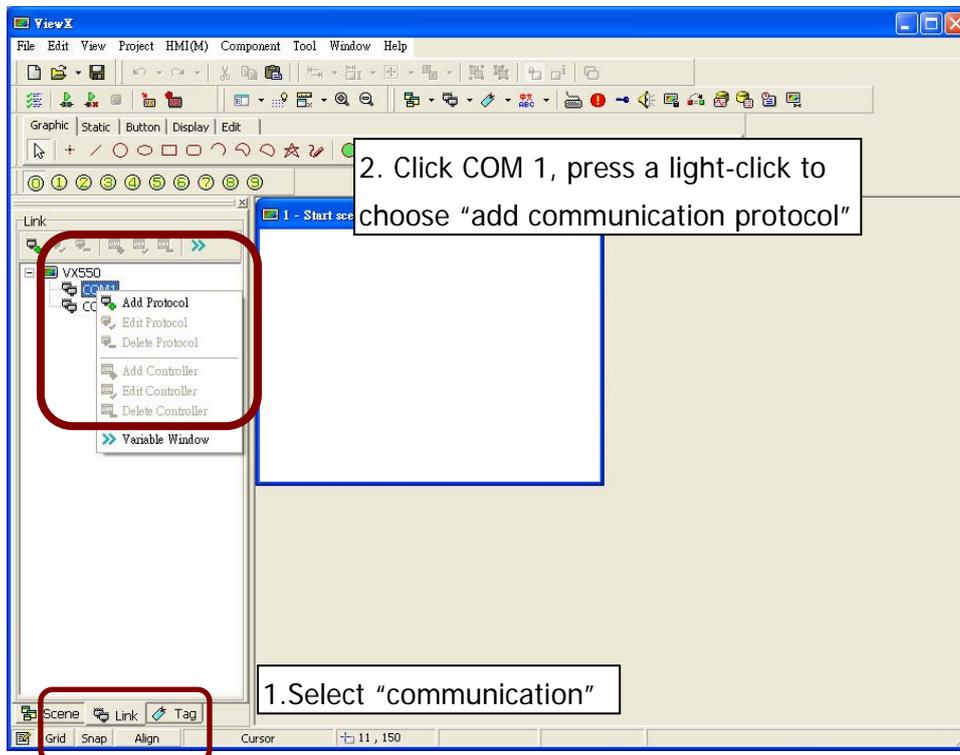


圖 3-2-2

Select manufacture of communication protocol and the other settings.  
Choose FATEK of that.

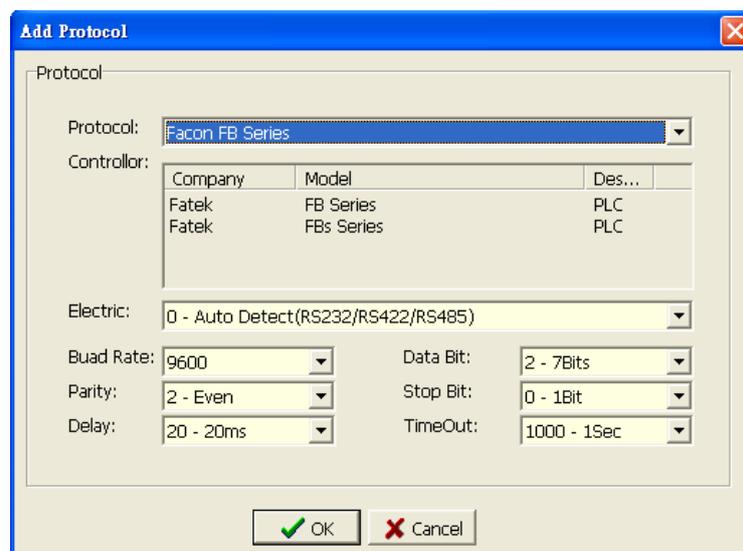


Illustration 3-2-3

Step 3 : Click added communication protocol, then press a right-click on a mouse and choose "Add controller" ( Illustration 3-2-4)

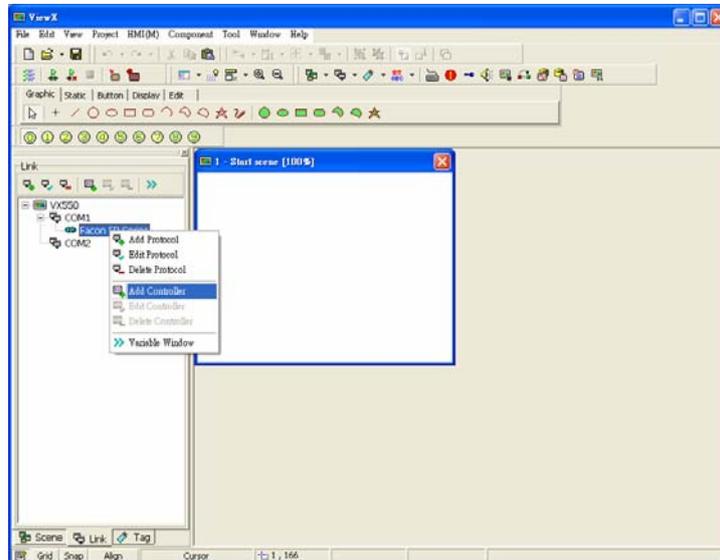


Illustration 3-2-4

Displaying the window as illustration 3-2-5. Set ID as 0 and station number as 1.

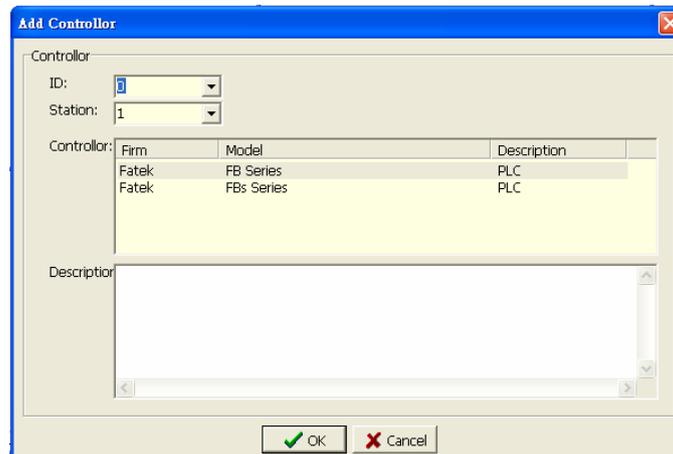


Illustration 3-2-5

Step 4 : Among the file list, choose “Components” → “Display Components” → “Display Value” (Illustration 3-2-6). Why do we choose the “Components” and the “Display Components”? We need to display a certain value of PLC.

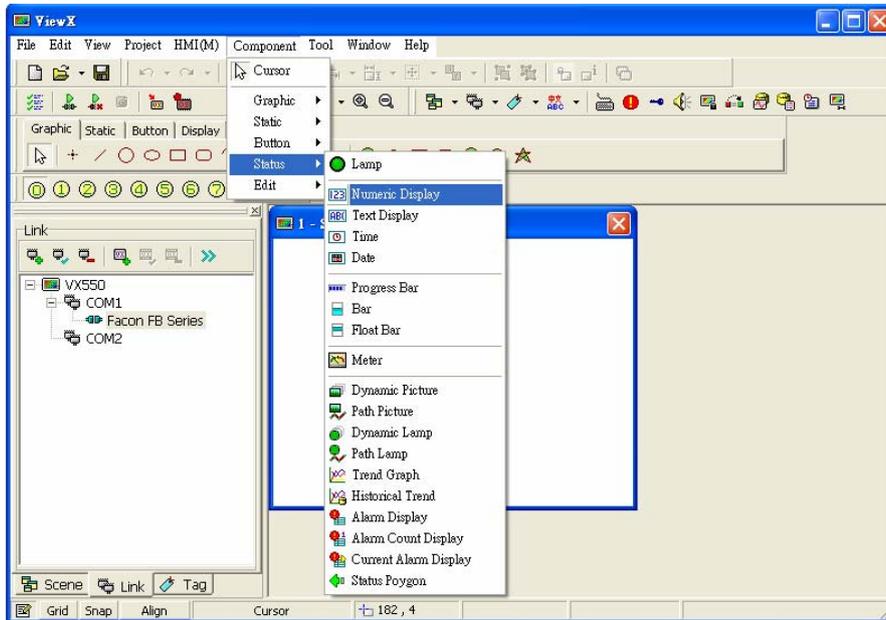


Illustration 3-2-6

Step 5 : Click new window “Display Value”, and press a right-click on a mouse to choose “Tool Settings”. (Illustration 3-2-7)

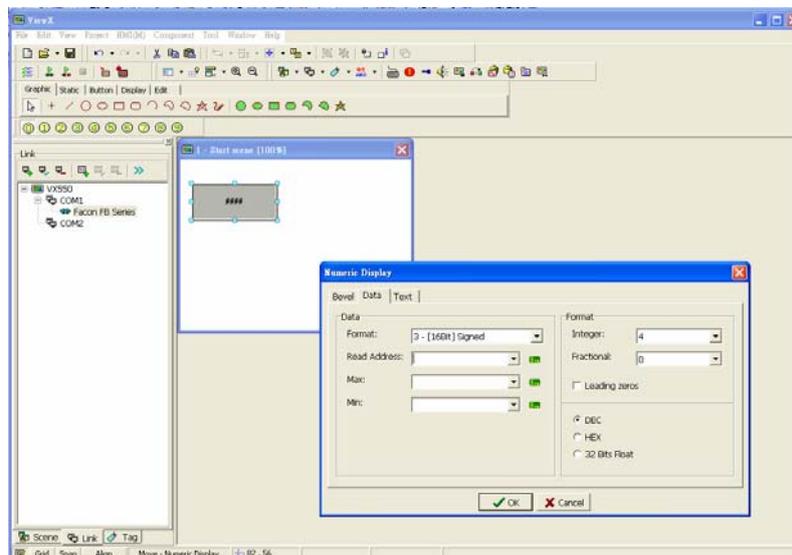


Illustration 3-2-7

Read-in location : type R5 ◦

Maximum : No set ◦

Minimum : No set ◦

Integer : 4 ◦

Decimal : 0 ◦

Step 6 : After pressing confirmation, please press F9 key, or click the item as illustration 3-2-8

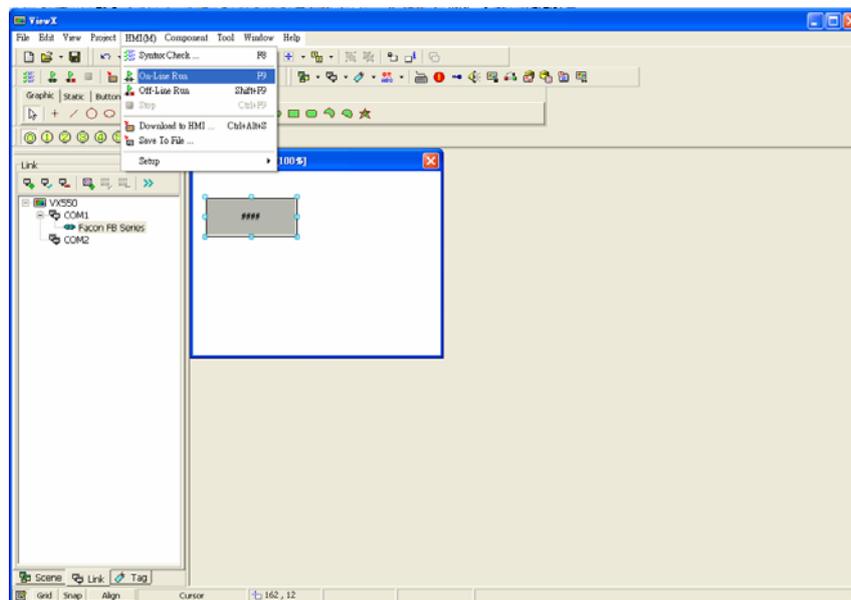


Illustration 3-2-8

Step 7 : Coming out illustration 3-2-9. The window displays R5 variable, of which value is subject to PLC.

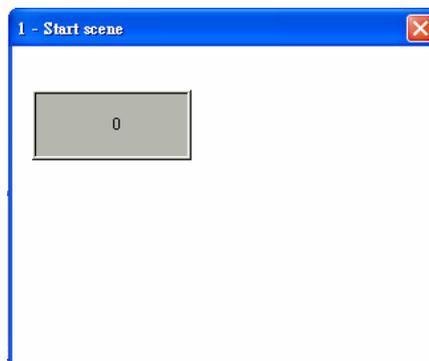


Illustration 3-2-9

### 3-3 Read-in examples

Step 1 : According to 3-2, click “Components”→ “Tool Components”, choose increase and decrease progressively. Put the button as illustration 3-3-1.

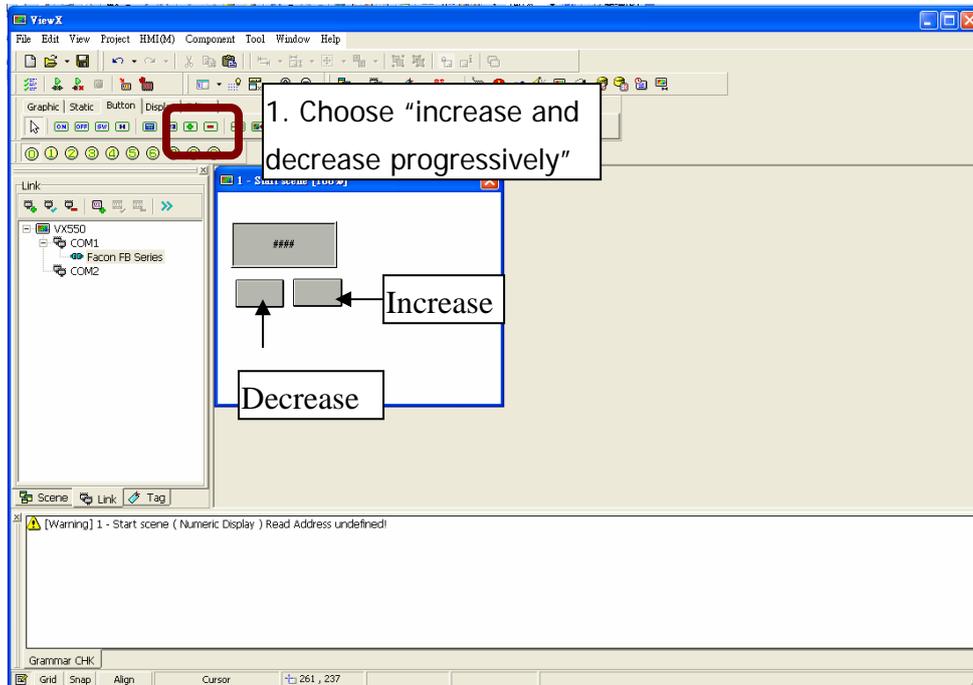


Illustration 3-3-1

Step 2 : choose “increase progressively” component, then press a right-click on a mouse to choose tool settings. Coming out illustration 3-3-2.

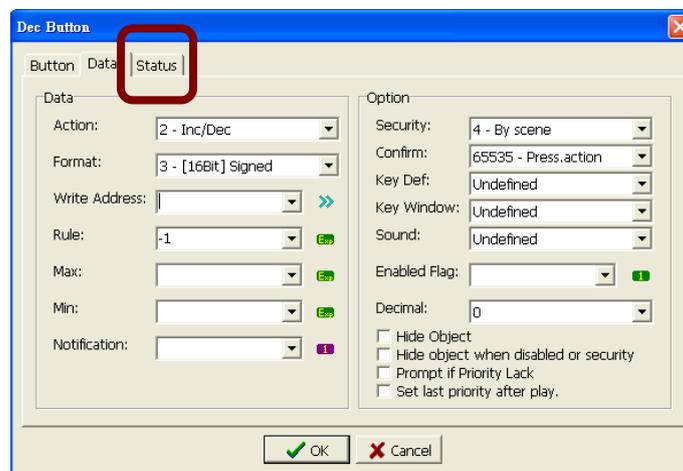


Illustration 3-3-2

Write-in location: R5 ◦

Write-in regulation : +1 ◦

Click "State" like the red Circle on illustration 3-3-2.

Type "+" in the field. The others could not be set.

Step 3 : choose “decrease progressively” component, then press a right-click on a mouse to choose tool settings. Coming out illustration 3-3-3.

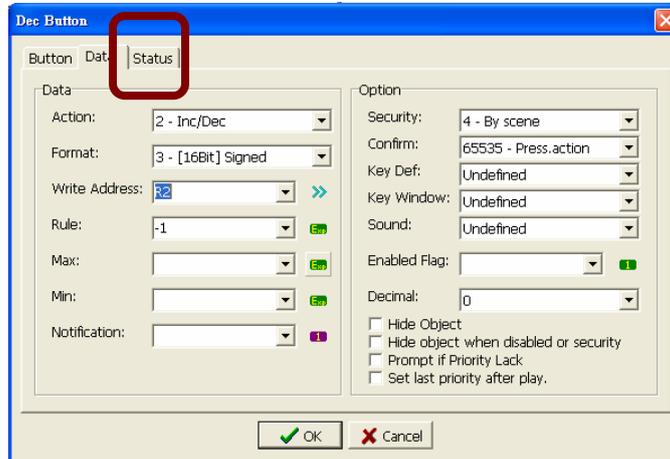


Illustration 3-3-3

Write-in location: R5 ◦

Write-in regulation : -1 ◦

Click “State” like the red circle on illustration 3-3-3.

Type “—” in the field. The others could not be set.

Step 4 : After completing all settings, press F9 to run. (Illustration 3-3-4)

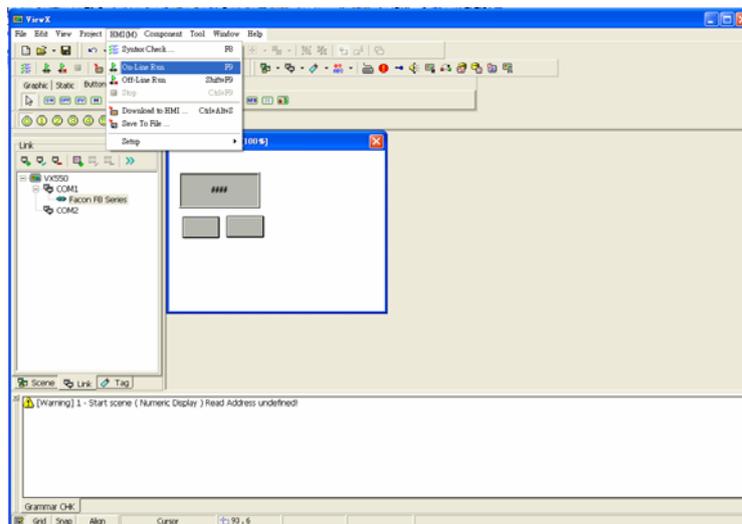


Illustration 3-3-4

Step 5 : Every pressing "+" will add up 1 to the value, and pressing "-" will subtract down 1 from the value. (Illustration 3-3-5)

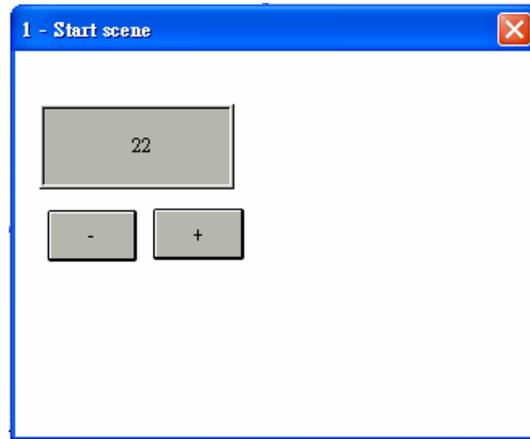


Illustration 3-3-5