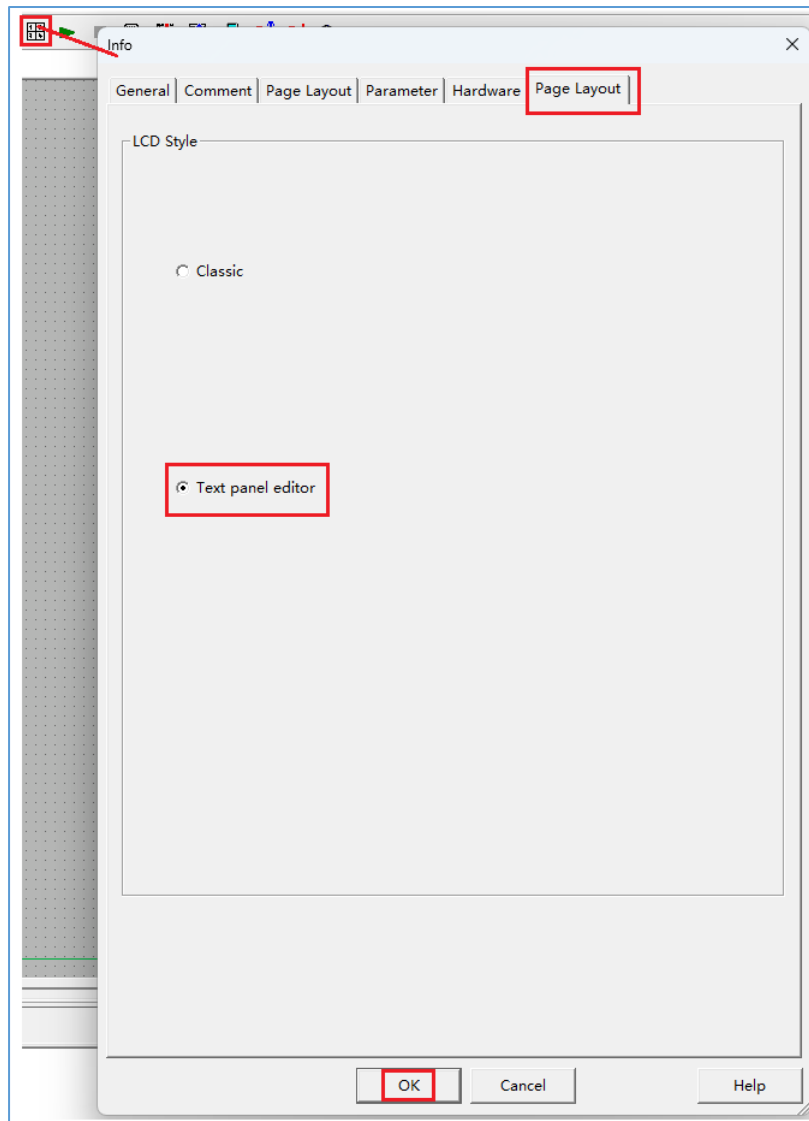


Instructions for using LCD KEY and LCD PAGE in xLogic

Note:

Only the PR Ethernet series supports this function, and the PLC firmware needs to be upgraded to the corresponding firmware version (V2.19 and above).

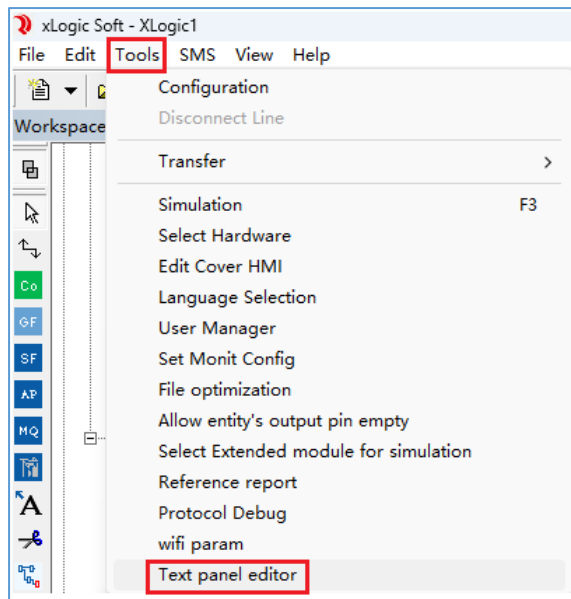
1. To download and display the LCD page program of HmiEditor in FBD mode, you first need to make a setting in xLogic as shown below:



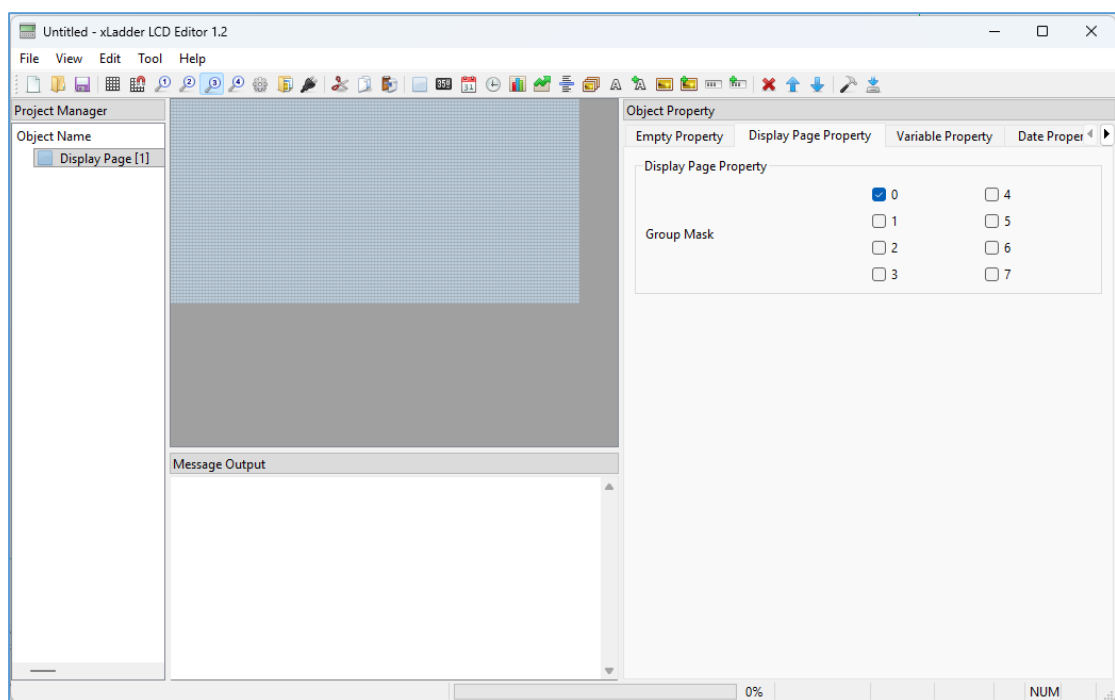
After downloading the xLogic program with this mode selected, the PLC's LCD backlight will light up and turn off normally, but no characters will be displayed. In this case, you need to download the LCD program created by HmiEditor.

2. Open the HmiEditor software on xLogic as follows.

The HmiEditor software here is for use only in FBD mode and is different from the xLadder software of the same name.

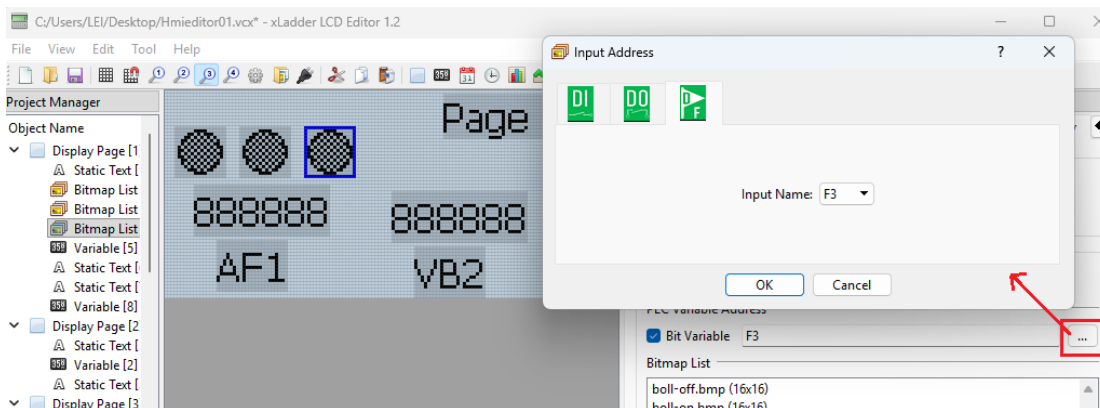
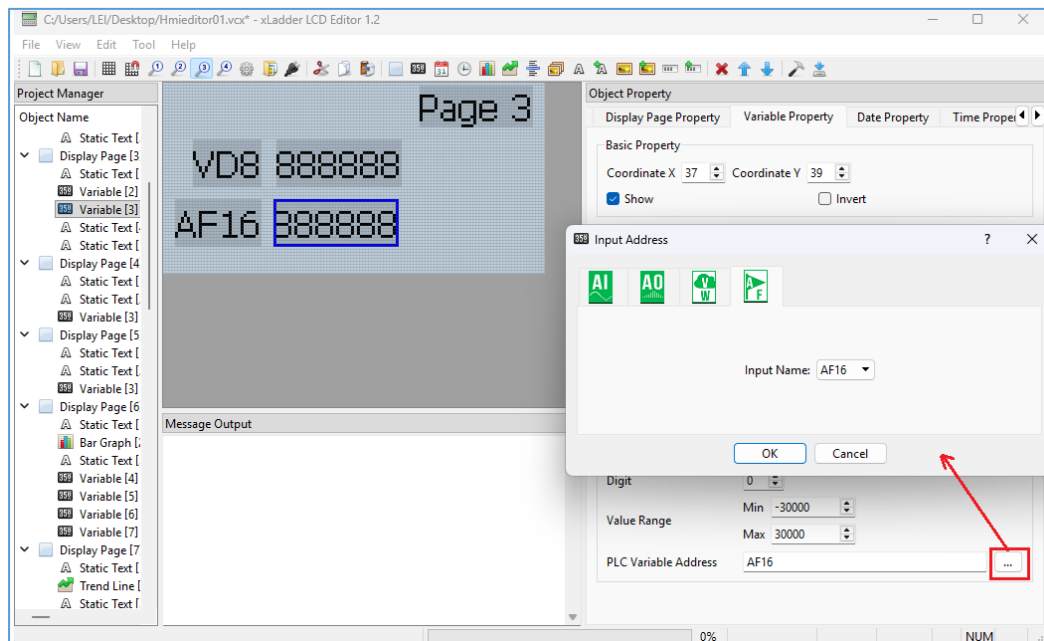


This menu can be used to call the HmiEditor software suitable for FBD mode. Its usage is the same as that in xLadder.



Usage tips:

After placing the component, you can click the button after 'PLC Variable Address' to select the register.



3. LCD blocks description

LCD KEY



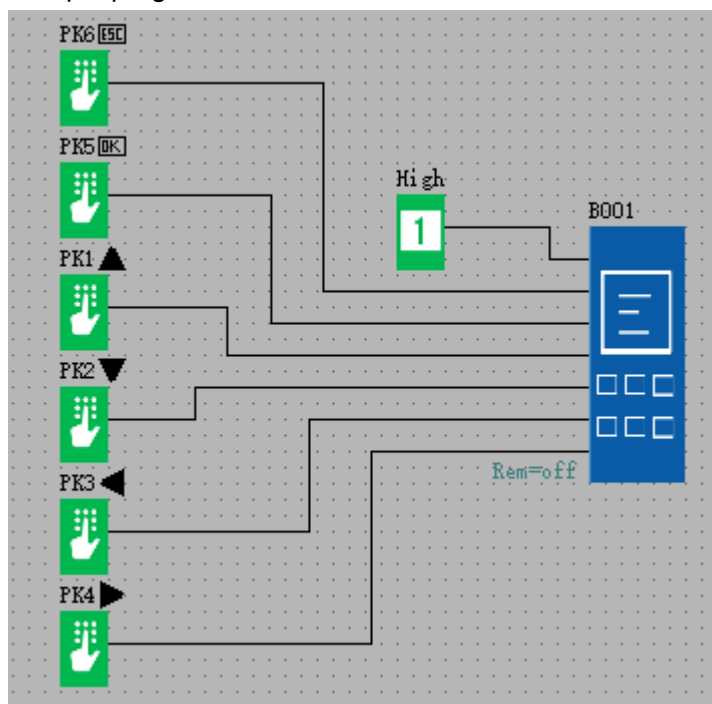
Description of function

This block allows the PLC to control the LCD pages created with HmiEditor in FBD mode. Usage is the same as the LCD_KEY command in xLadder.

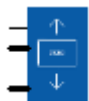
Connection	Description
EN	Enable the LCD KEY function block.

MODIFY	Modifies the corresponding variables.
ENTER	Confirms the corresponding variables.
UP	The corresponding variable of UP key.
DOWN	The corresponding variable of DOWN key.
LEFT	The corresponding variable of LEFT key.
RIGHT	The corresponding variable of RIGHT key.

Sample program:



LCD PAGE



Description of function

Modifying the value of this block's input pin controls the LCD page displayed in the HmiEditor program.

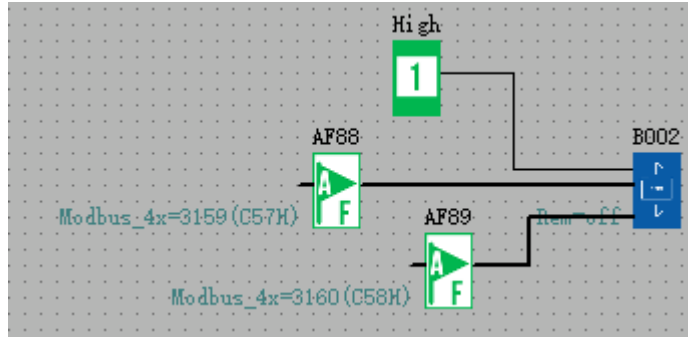
Usage is the same as the LCD_PAGE command in xLadder.

Connection	Description
EN	Enable the LCD PAGE function block.
MASK	The current page group mask, generally 1.

INDX

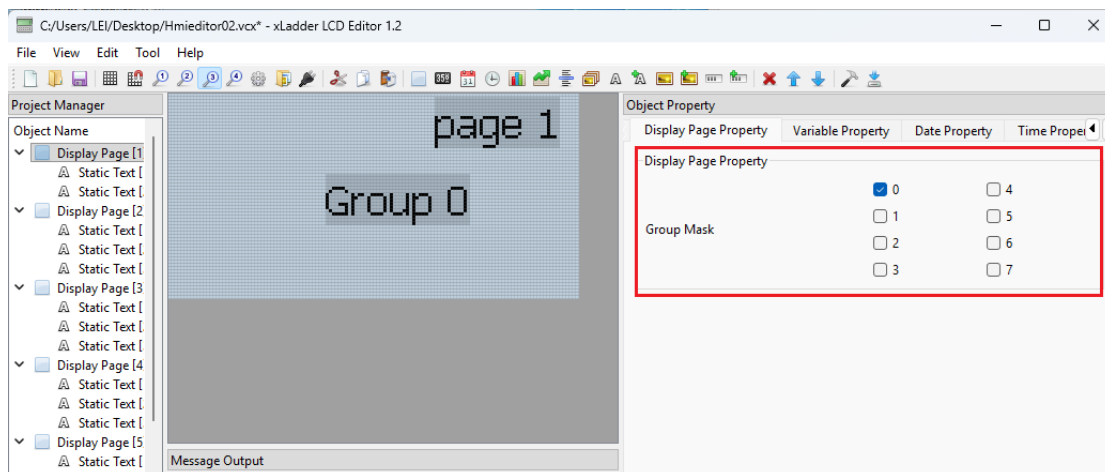
Currently displayed page number. You can modify the page number, the LCD will display the page.

Sample program:



MASK:

Each page can be assigned at least one 'Group Mask'. There are eight 'Group Masks': 0, 1, 2, 3, 4, 5, 6, and 7.



For example, if the MASK pin is connected to AF88, the 8 bits of the low byte of AF88 correspond to a 'Group Mask', as shown below:

7	6	5	4	3	2	1	0
---	---	---	---	---	---	---	---

When 0 bit is equal to 1, LCD will display 0 group.

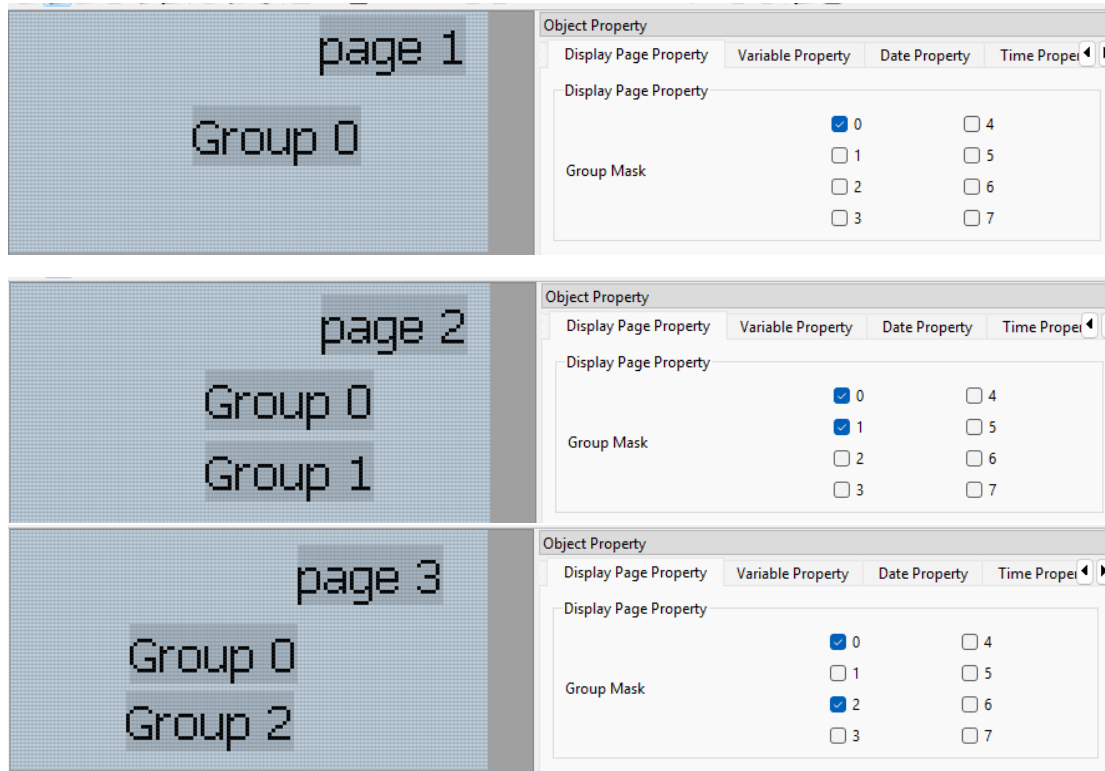
When 1 bit is equal to 1, LCD will display 1 group.

When 2 bit is equal to 1, LCD will display 2 group.

...

When 7 bit is equal to 1, LCD will display 7 group.

Sample program:



When AF88=1, Page 1 is displayed by default, but you can switch pages by pressing the up or down key to display Page 2 or Page 3.

When AF88=2, only Page2 is displayed.

When AF88=4, only Page3 is displayed.

The corresponding relationship between AF value and 'Group Mask' is as follows:

AF	128	64	32	16	8	4	2	1
Group	7	6	5	4	3	2	1	0

INDX:

The value is equal to the currently displayed page number - 1.

Display page1, the value is 0,

Display page 2, value 1,

Display page 3, value 2,

...

The premise is that these Pages have the same 'Group Mask'.

This value changes when you scroll the displayed page using the keys.

When you change this value, the corresponding page will be displayed. For example, if this pin is connected to AF89 and a value of 8 is set for AF89, the LCD will display Page 9.

