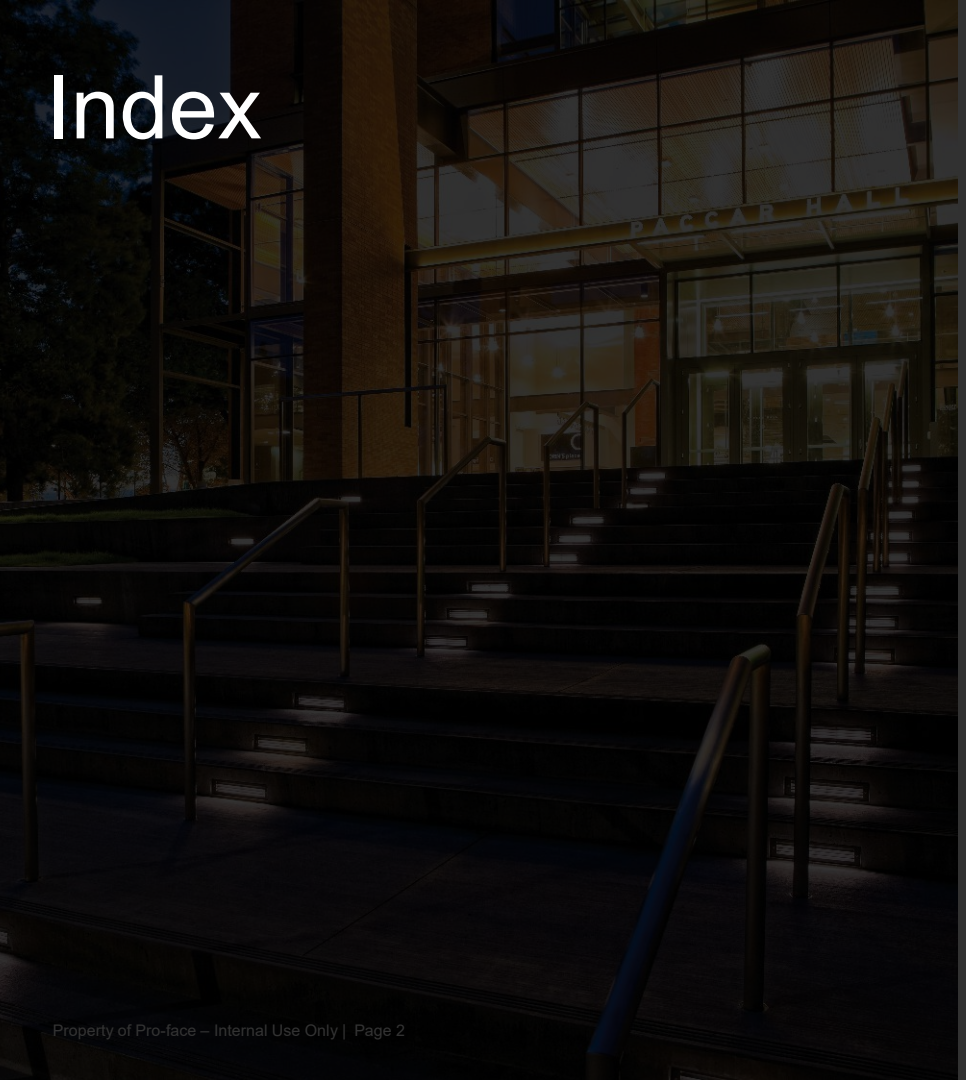
Smart Design Parts

Basic Usage

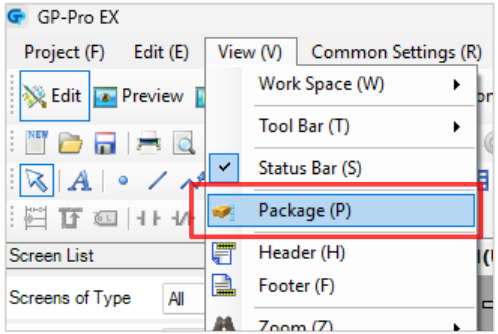
Index



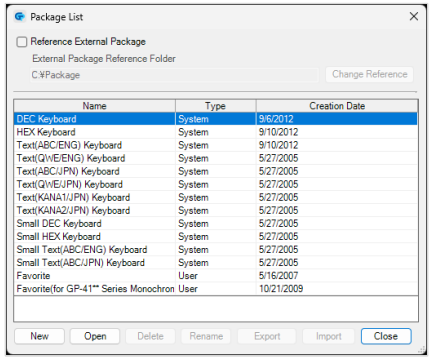
How to import

How to import

1. Select [View] - [Package] in the top menu of the GP-Pro EX software.

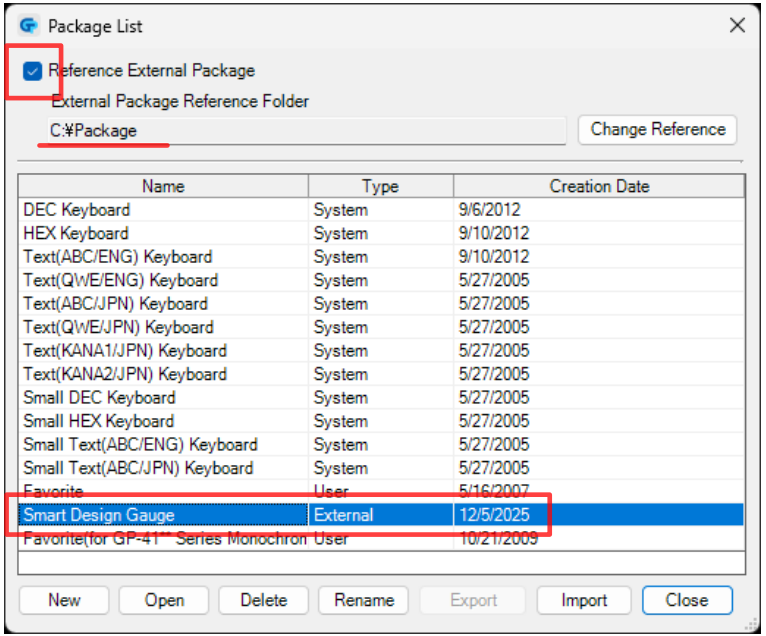


2. The Package List dialog box will appear.



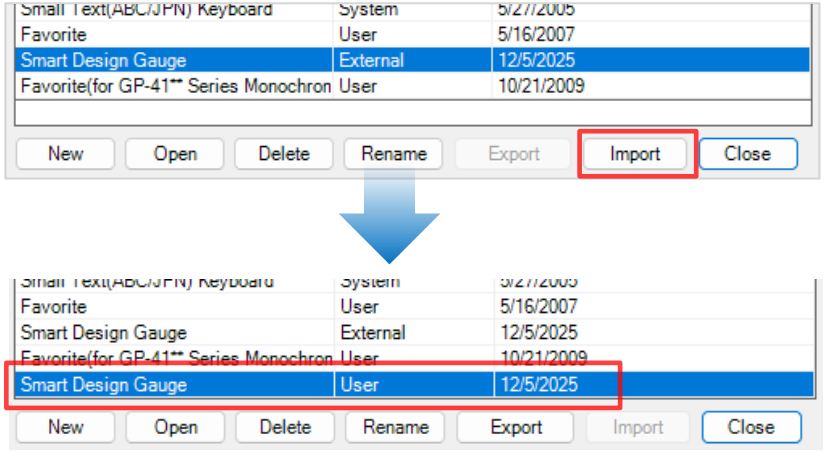
3. Specify the folder containing the Smart Design Parts (.pkg format file) you saved in any folder.

4. The Smart Design Parts will be displayed.



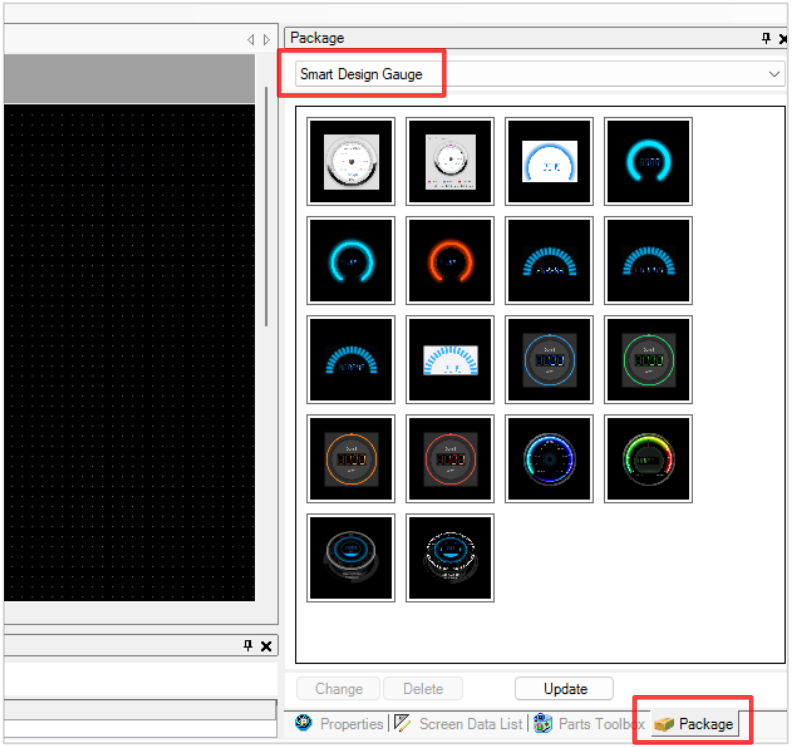
How to import

1. Click the 'Import' button to incorporate the Smart Design Parts into your GP-Pro EX software.



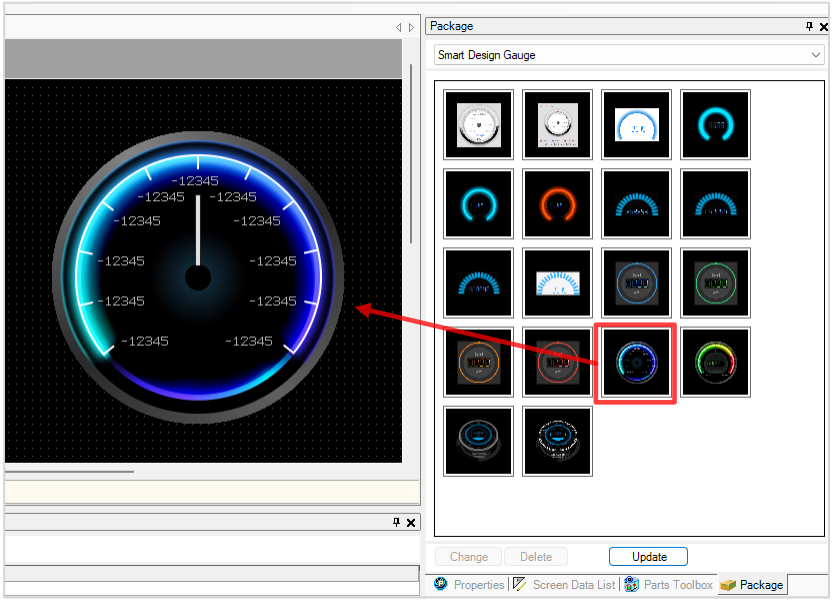
* After incorparating, even if you delete the package file saved in any folder, the Smart Design Parts will remain in the GP-Pro EX software.

2. You can select Smart Design Parts by selecting the [Package] tab in the right-side menu of the GP-Pro EX software.



How to import

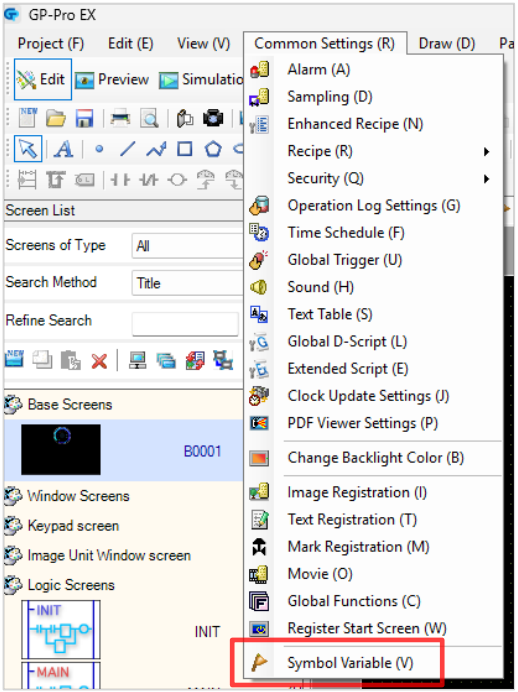
1. Drag and drop the Smart Design Parts you want to use onto the screen.



How to edit

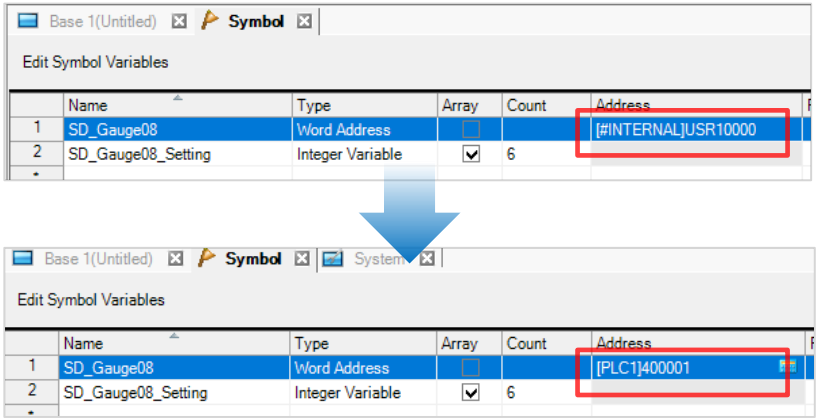
How to edit

1. Select [Common Settings] - [Symbol Variable] in the top menu of the GP-Pro EX software.



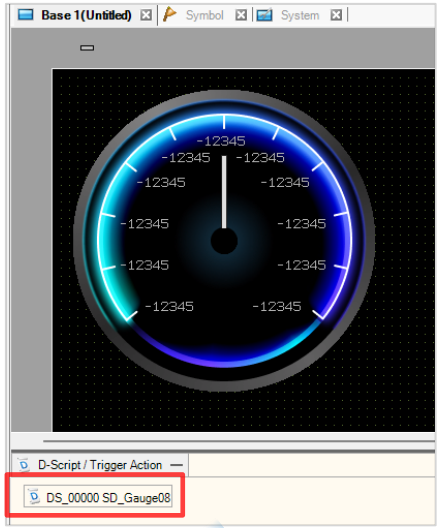
2. When you place a Smart Design Part on the screen, a symbol variable for that part will be registered.

3. The variable with the internal address set in the [Address] field is the variable for PLC communication. Change this to your PLC address.



How to edit

1. Some smart design parts have D-Script automatically registered. In this case, you can change the Smart Design Parts settings in D-script. Each setting item has an explanation, so please refer to it when making changes.




```
0001
0002 [w:SD_Gauge08_Setting[2]]=-1000 //Acquisition range, Minumum Value
0003 [w:SD_Gauge08_Setting[3]]=1000  //Acquisition range, Maximum Value
0004 [w:SD_Gauge08_Setting[4]]=-128  //Rotation range, Minumum Value
0005 [w:SD_Gauge08_Setting[5]]=128   //Rotation range, Maximum Value
0006
0007 [w:SD_Gauge08_Setting[0]]=1 //Data Acquisition Trigger
0008
```

2. For example, in this 'Smart Design Gauge 08', there are Minimum Value and Maximum Value parameters as the Data range, like below.

```
0001
0002 [w:SD_Gauge08_Setting[2]]=-1000 //Acquisition range, Minumum Value
0003 [w:SD_Gauge08_Setting[3]]=1000  //Acquisition range, Maximum Value
0004 [w:SD_Gauge08_Setting[4]]=-128  //Rotation range, Minumum Value
0005 [w:SD_Gauge08_Setting[5]]=128   //Rotation range, Maximum Value
0006
0007 [w:SD_Gauge08_Setting[0]]=1 //Data Acquisition Trigger
0008
```

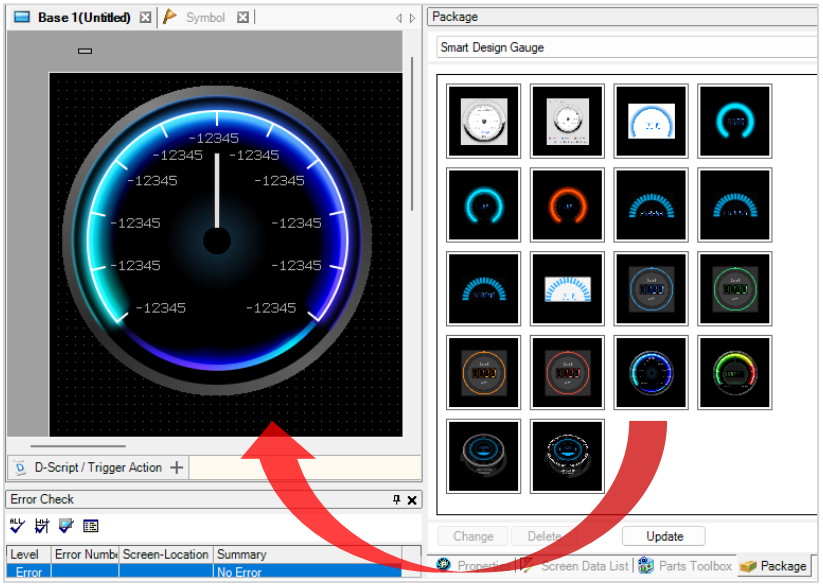
3. If you change these values as shown below, the scale range within the gauge will change accordingly.

Symbol Variable	Before	After
[w:SD_Gauge08_Setting[2]]	-1000	0
[w:SD_Gauge08_Setting[3]]	1000	10000

How to use the same parts multiple times

How to use the same parts multiple times

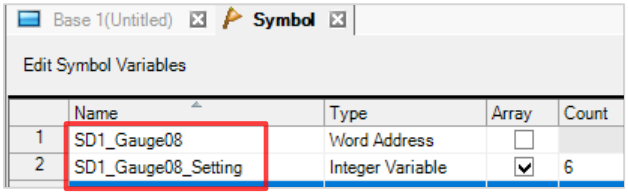
1. Place the first Smart Design Part on the screen from the Package list. (As an example, we'll use 'Smart Design Gauge 08'.)



2. Open [Common Settings] - [Symbol Variable].

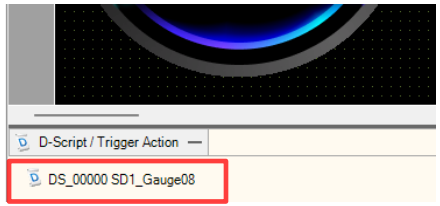
3. A symbol variable for 'Smart Design Gauge 08' has been added, so change the name as follows:

Before Name	After Name
SD_Gauge08	SD1_Gauge08
SD_Gauge08_Setting	SD1_Gauge08_Setting



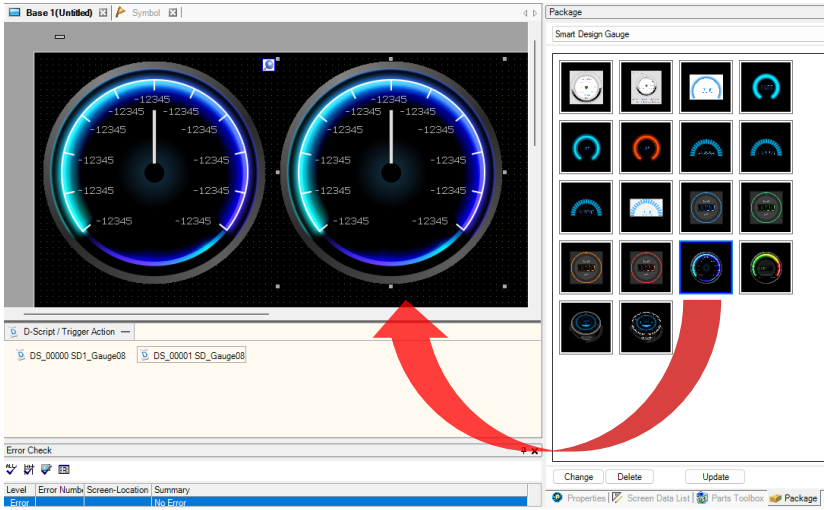
4. Open [D-Script / Trigger Action] at the bottom of the screen and rename the D-script for 'Smart Design Gauge 08' as follows:

Before Name	After Name
SD_Gauge08	SD1_Gauge08



How to use the same parts multiple times

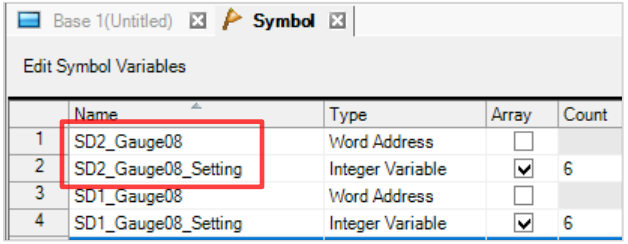
1. Place the second ‘Smart Design Gauge 08’ from the Package list. *1



*1: Do not copy and paste the Smart Design Parts but always drag and drop them from the Package list.

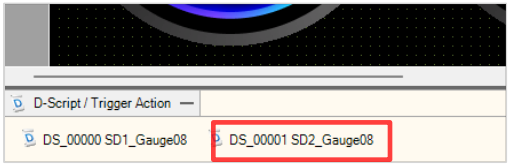
2. The symbol variable for the second ‘Smart Design Gauge 08’ has been added, so change the name as follows:

Before Name	After Name
SD_Gauge08	SD2_Gauge08
SD_Gauge08_Setting	SD2_Gauge08_Setting



3. Open [D-Script / Trigger Action] at the bottom of the screen and rename the D-script for the second 'Smart Design Gauge 08' as follows:

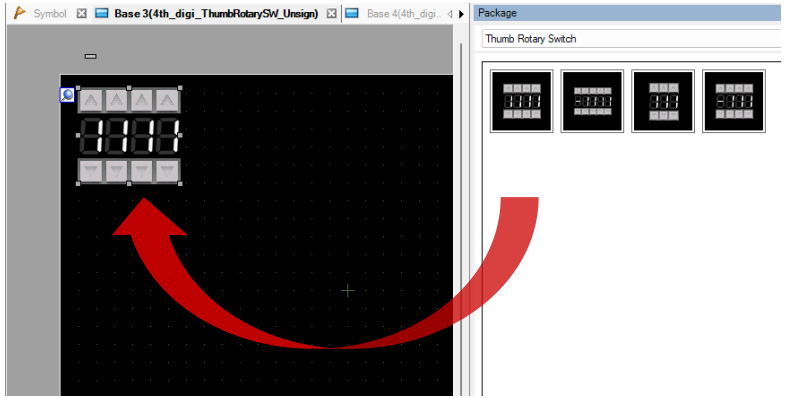
Before Name	After Name
SD_Gauge08	SD2_Gauge08



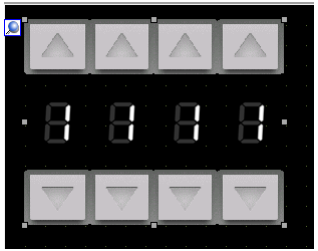
How to use the parts resize

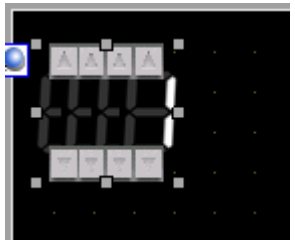
How to use the parts resize

1. Place the first Smart Design Part on the screen from the Package list. (As an example, we'll use 'Thumb Rotary Switch'.)



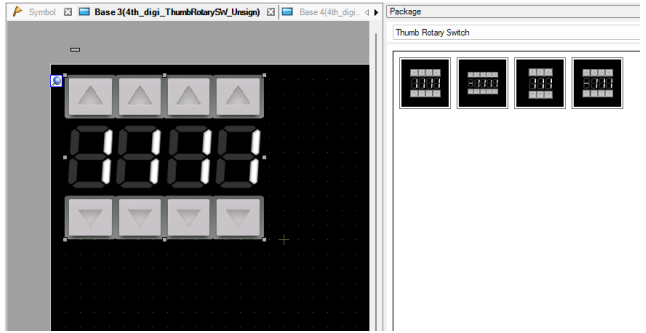
*If you resize without holding down the "Ctrl" key, the values will not change.





2. Hold down the "Ctrl" key while resizing.

Enlarge



Reduce