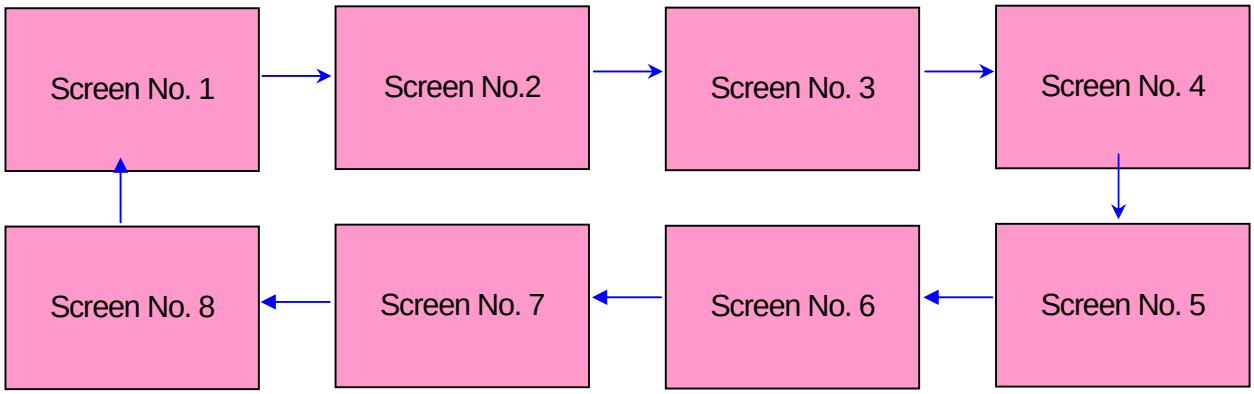
Auto screen change through script

1. Summary

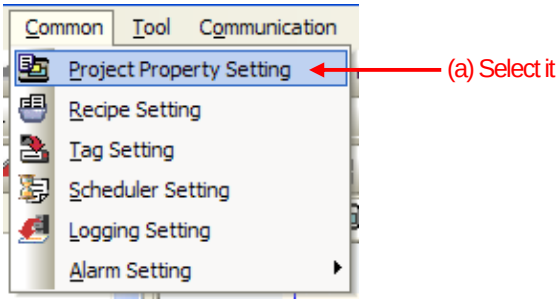
The script function can be convenient when screen change takes place according to set time. We previously explained 'screen change function through device' within its chapter; this function can be extended and utilized using a script.



For your understanding, execute the sample data called 'auto screen change through script. xpd' from XP-Builder.

2. Making screen data

(1) Select 'Project Property Setting' from menu.

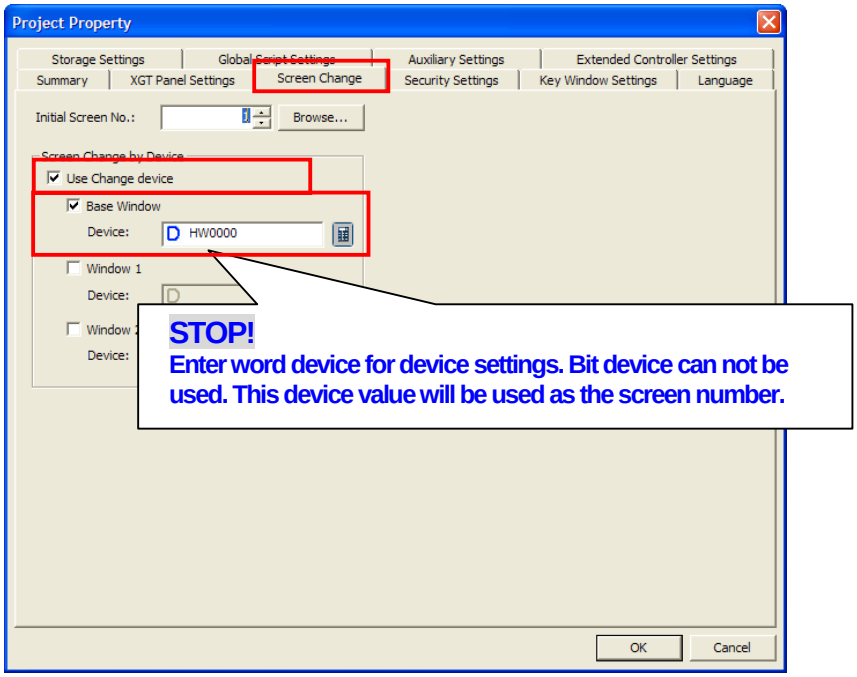


(2) Select 'Screen Change' from 'Project Property'

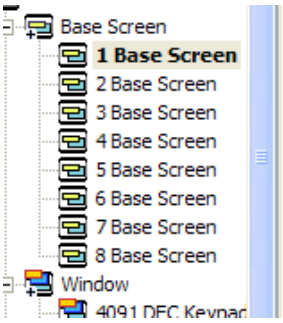
(a) Click 'Screen Change'.

(b) Check for screen change by device

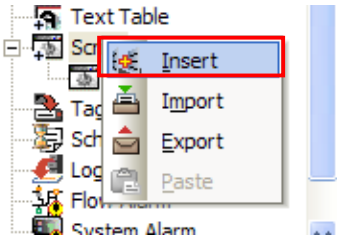
(c) After selecting 'Base Window', enter device.



(3) Make several screens.



(4) Create a script



(5) Write on created scripts as below.

```
// Copyright (c) 2004~2006
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// Visit us:   http://www.lsis.biz

unsigned int i;      //Declares unsigned int type variable
i=@[W:HW0];          //Assignes HW0000 to variable
if(i>=8){            //In case variable is larger than or same with 8
    i=1;             //Assignes 1 to variable
}
else{                //In case variable is smaller than 8
    i+=1;            //Increased by 1
}
@[W:HW0]=i;          //Assignes variable to HW0000
Buzzer();            //Buzzer On

ERROR:
{

}
```
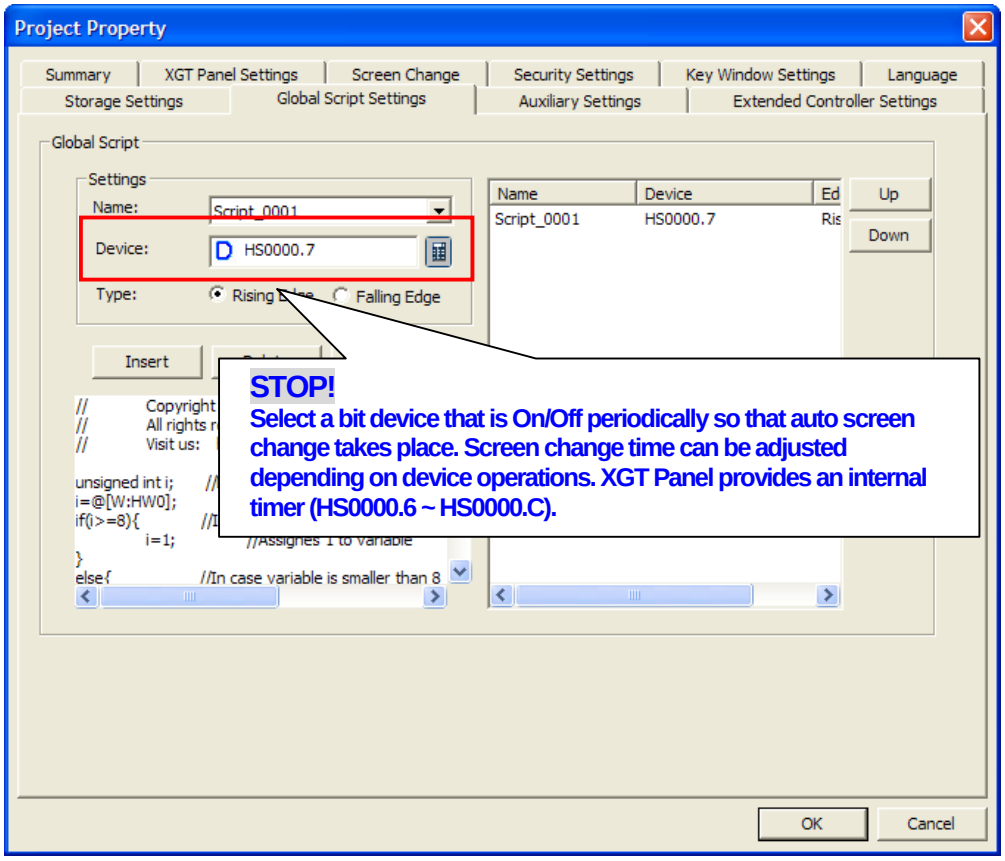
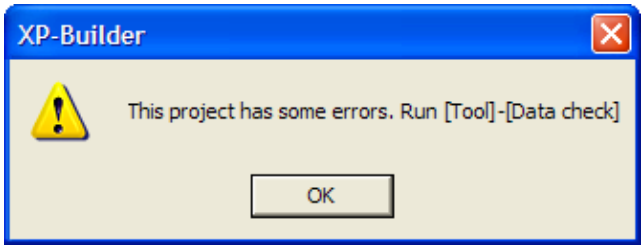

(6) Register the created script from step (5) under 'Global Script Settings' in 'Project Property'.

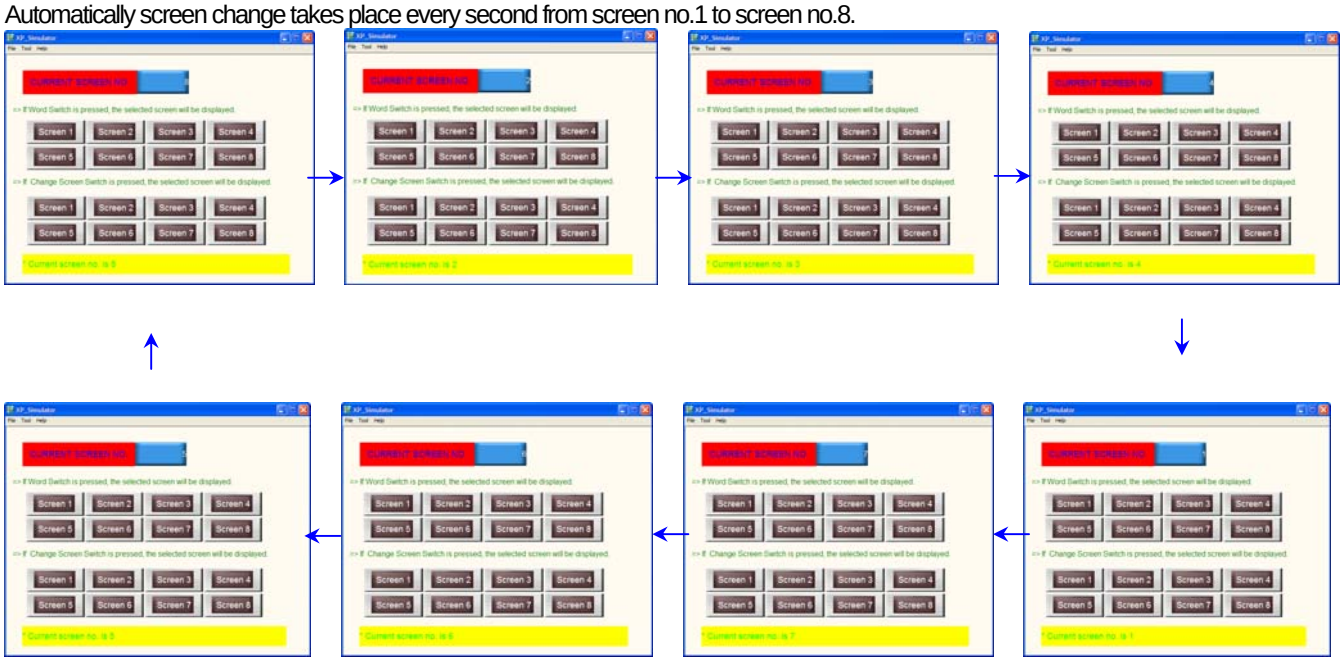


Device Address	Settings
HS0000.6	500msec On-Off Timer
HS0000.7	1 Sec. On-Off Timer
HS0000.8	2 Sec. On-Off Timer
HS0000.9	5 Sec. On-Off Timer
HS0000.A	10 Sec. On-Off Timer
HS0000.B	30 Sec. On-Off Timer
HS0000.C	60 Sec. On-Off Timer

3. Verify through simulations

Select this icon from this XP-Builder's toolbar .
If there were errors in data screen, the following message will be displayed



In case of no error, the simulator will be operated.

Automatically screen change takes place every second from screen no.1 to screen no.8.