

Script Manual

Web-N Server 2.3

(User Script Manual)



N-Designer Ver. : 2.3.0

Produce: 2018. 4. 10

Revision:

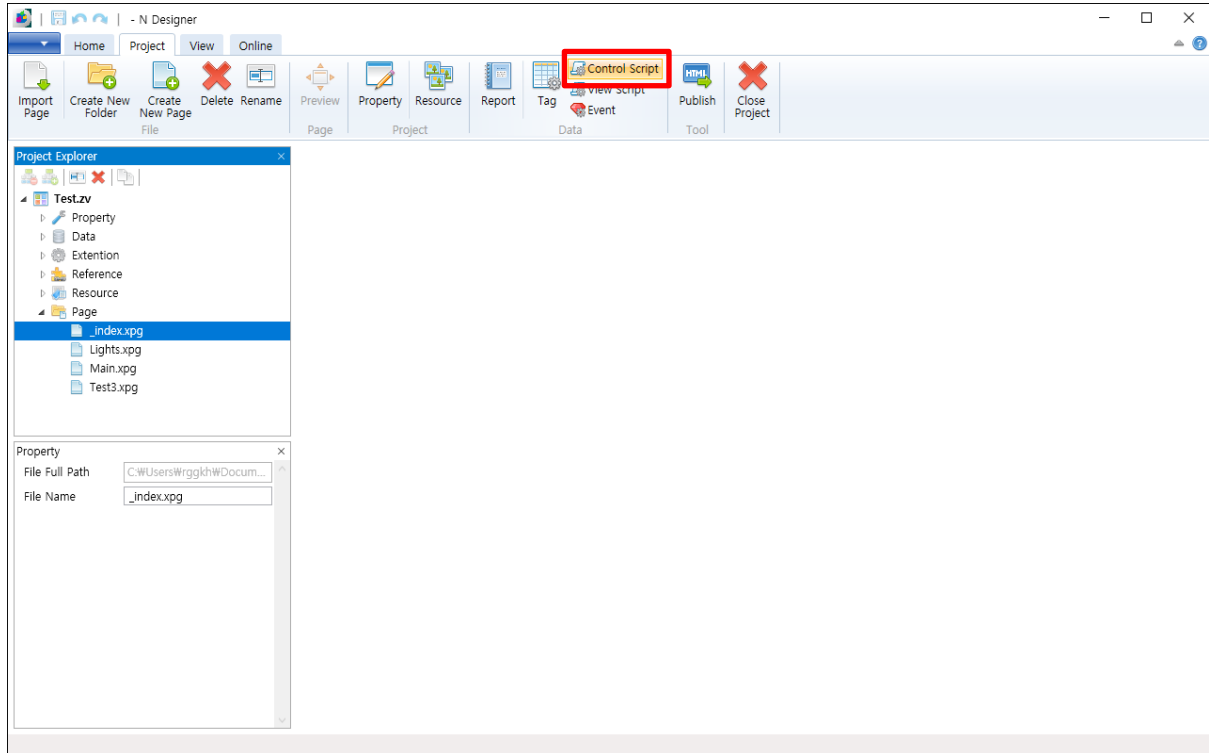
e-mail:Lbhsb@naver.com

Table of Contents

1	User Script.....	3
1.1	Control Script (Project Script).....	3
1.2	User Input Script.....	5
2	Script function.....	6
2.1	Grammer.....	6
2.2	Accessing registered tags.....	6
3	Script Create.....	7
3.1	Control Script.....	7
3.1.1	Loop Script.....	7
3.1.2	Value Change Script.....	8
3.1.3	Time Control Script.....	9
	Appendix 1 – Built-in Methods.....	10
	Appendix 2 – Script creation example.....	11

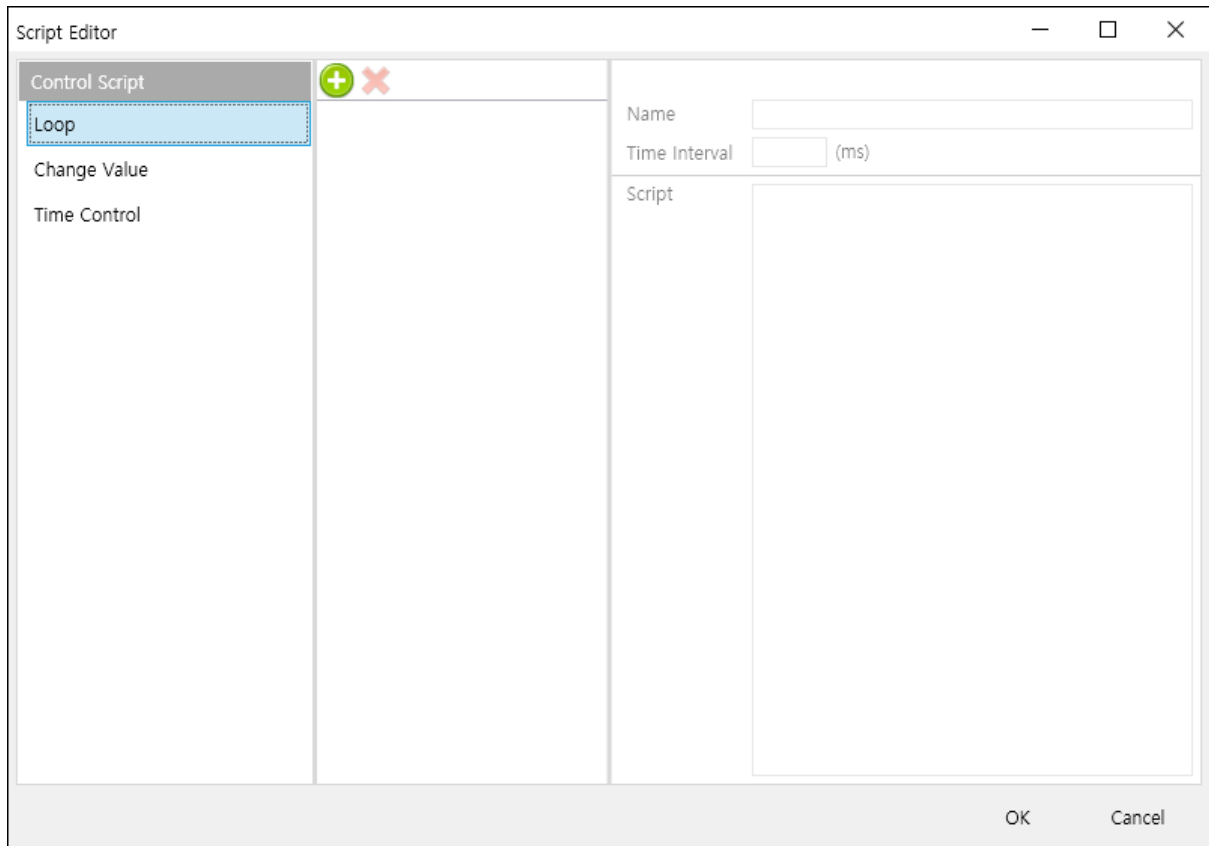
1 User Script

1.1 Control Script (Project Script)



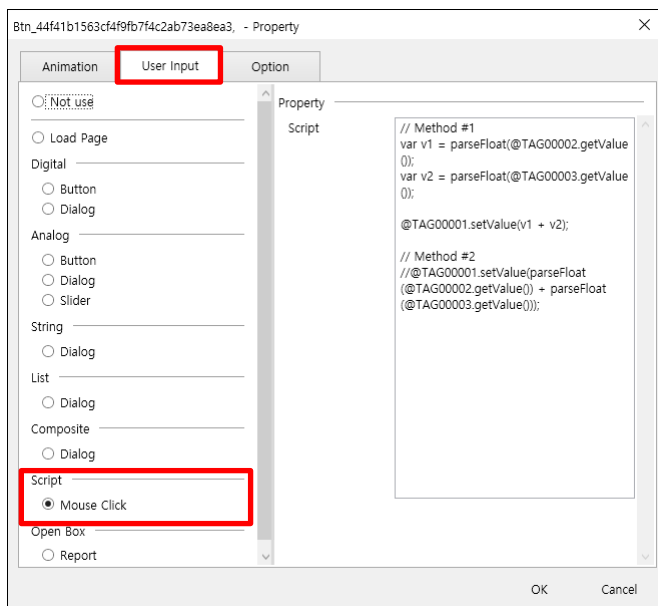
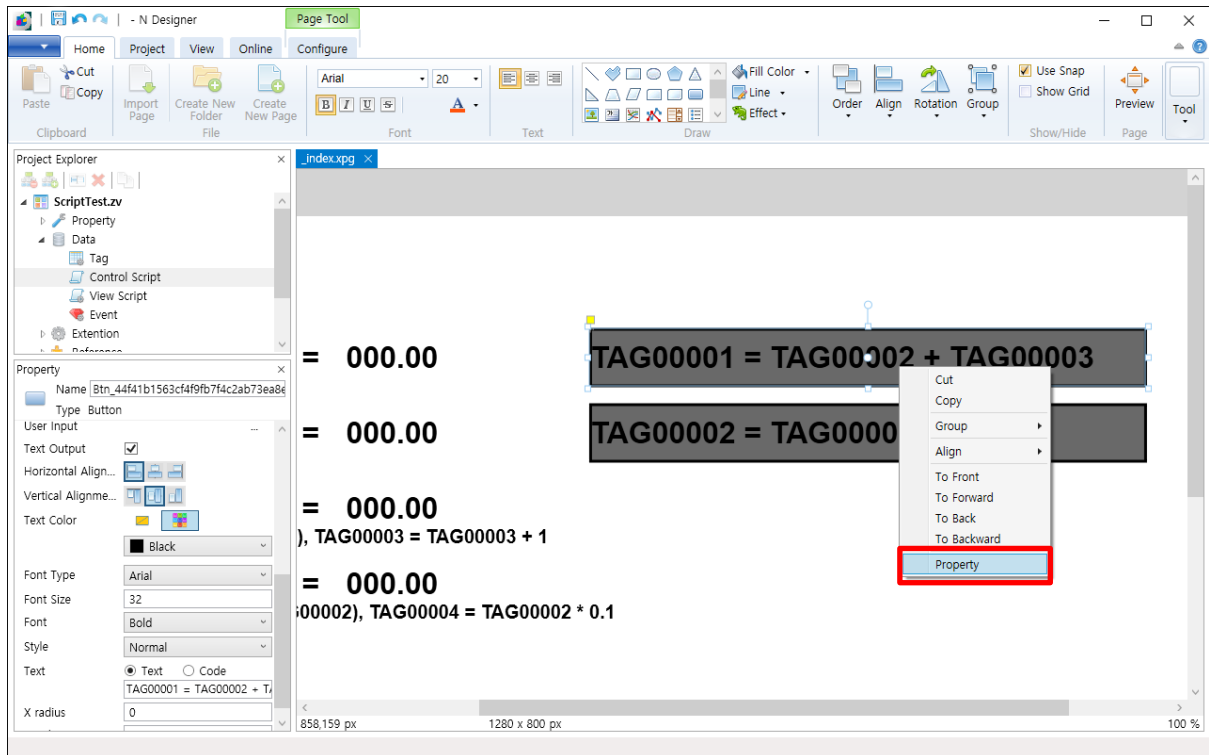
- [Project] Tap – [Control Script]
- You can write any user custom script that applies to your project.
- All scripting languages use the JavaScript language.
- You can create a control script to handle processes such as tag value calculation, communication processing, complex control function implementation, etc. in N-Server engine.

1.1.1 Control Script Editor



Function Name	Function Description
Control	Write a script that runs inside the N-Server.
Loop	Write a script that is repeatedly processed. (The minimum repetition time is 100ms)
Value Change	Write a script to process the tag value has changed.
Time Control	Write a script that is processed once or repeatedly at a specific date and time.

1.2 User Input Script



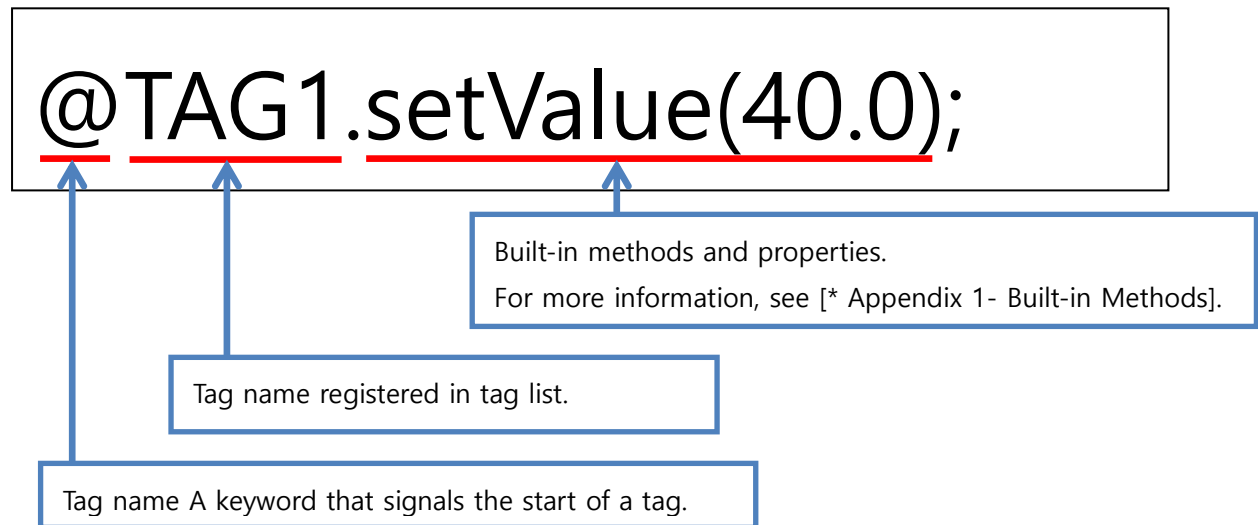
- Register the script to be used for User Input (mouse click).

2 Script function

2.1 Grammer

The control script function of the Web-N server uses the [JavaScript language] as the default language.

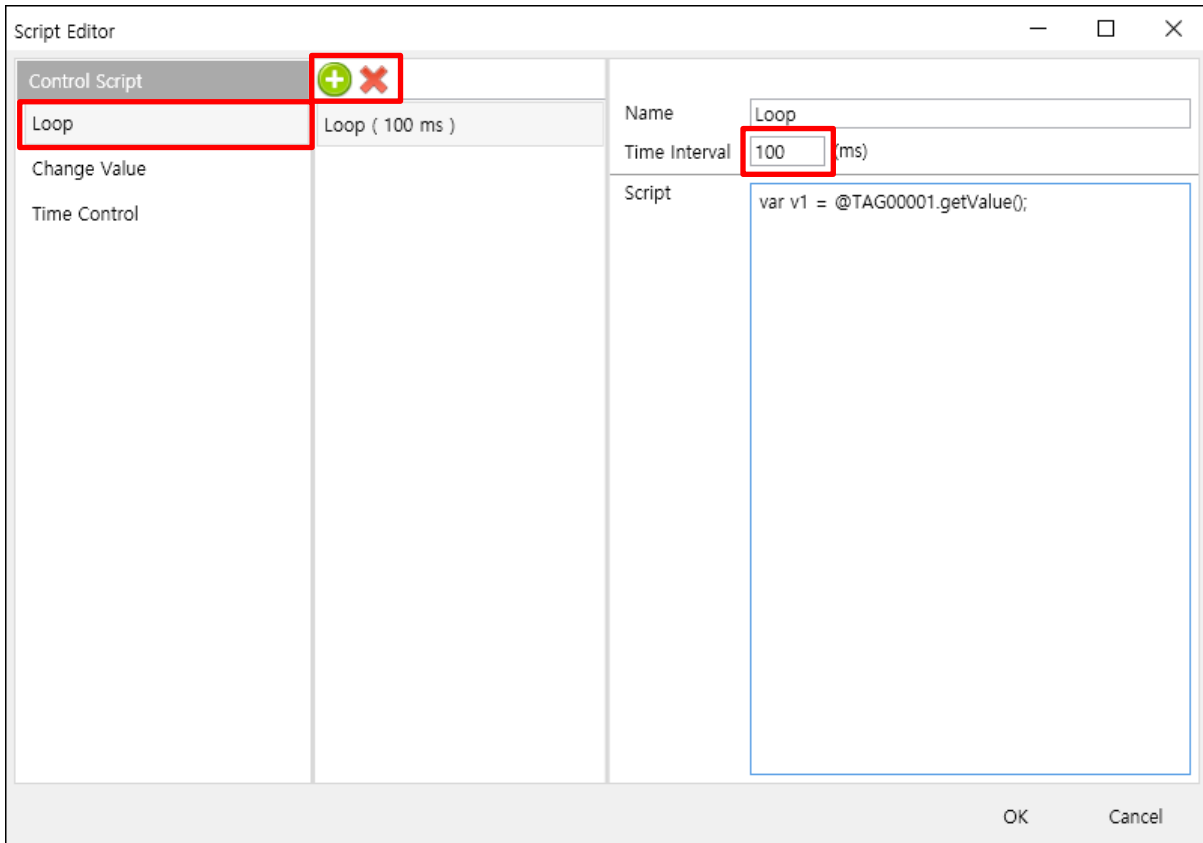
2.2 Accessing registered tags



3 Script Create

3.1 Control Script

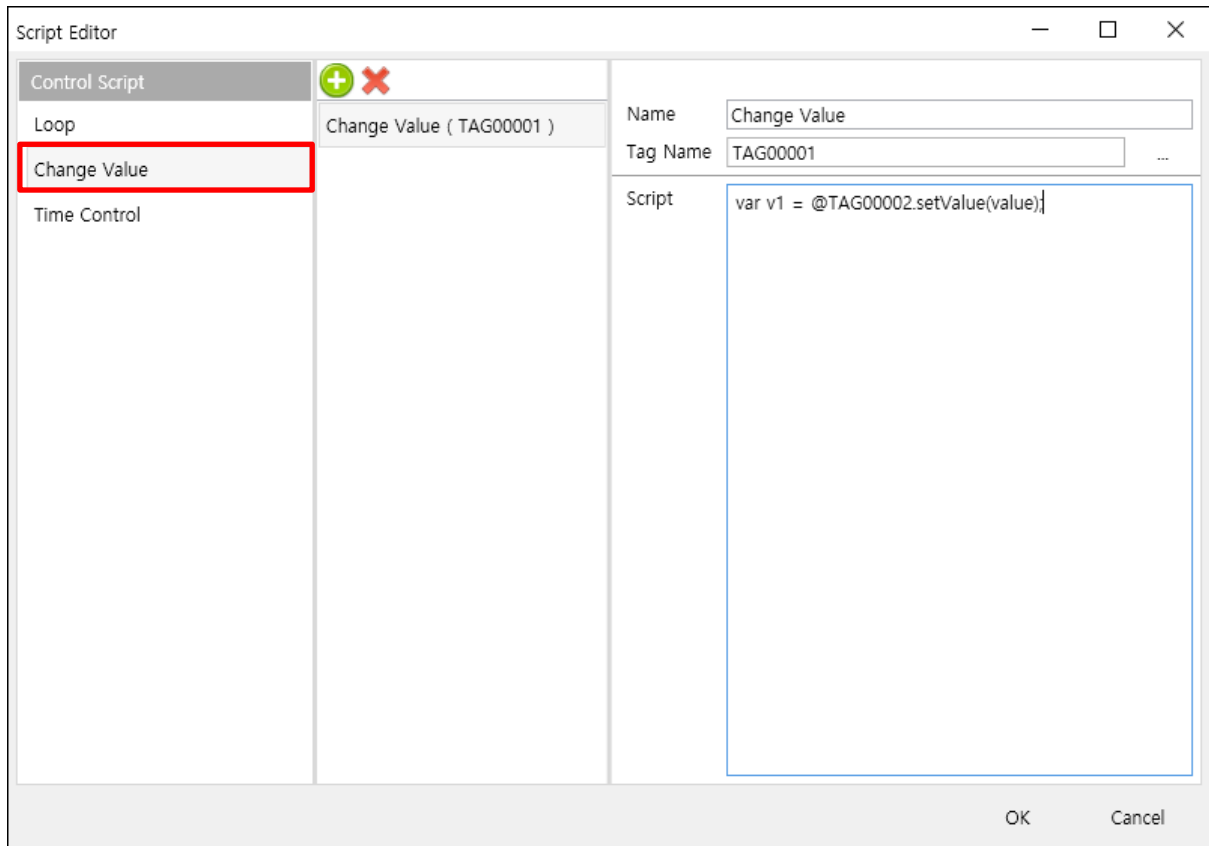
3.1.1 Loop Script



- Register the script to be executed repeatedly.
- Script can be added / deleted in units of time interval.
- Parameters

Parameters	Description
No Parameter required	

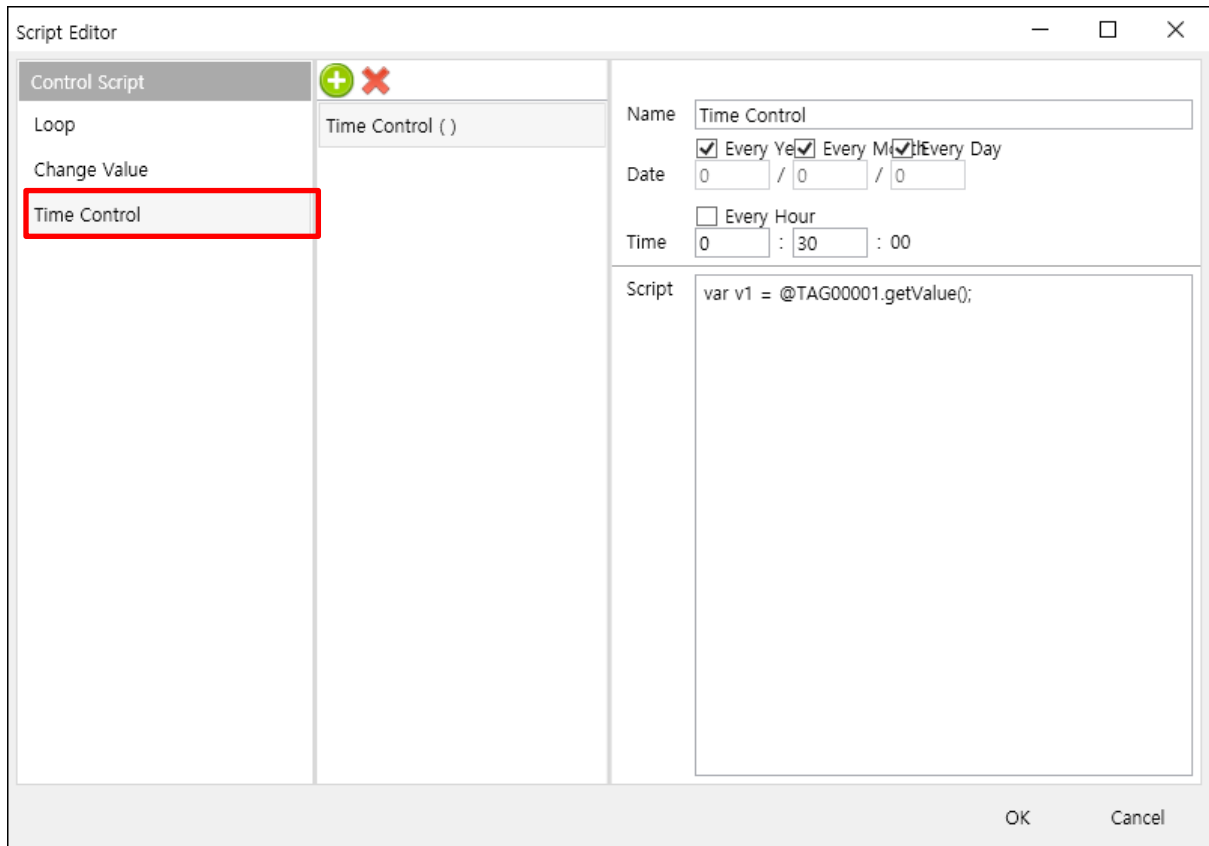
3.1.2 Value Change Script



- Register the script to process when the value of the selected tag is changed.
- You can add / delete scripts by tags.
- Parameters

Parameters	Description
value	Changed value of current tag (Data type: string value)

3.1.3 Time Control Script



- Register the script to process at the specified time.
- Parameters

Parameters	Description
No parameter required	

Appendix 1 – Built-in Methods

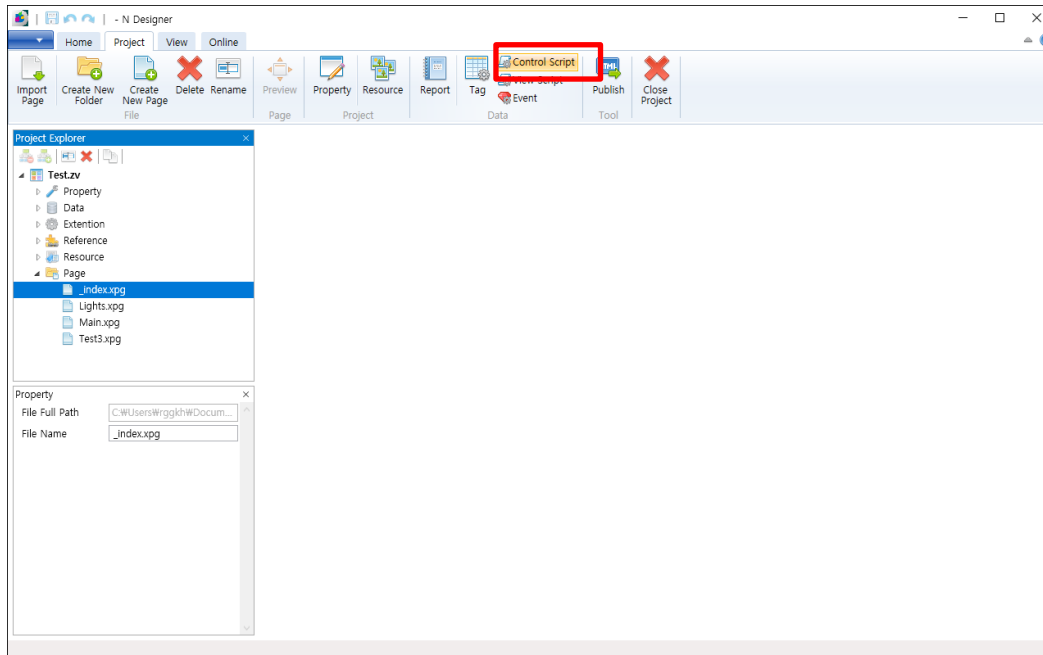
- Tag

Methods	Description	Type	
getValue()	Get tag values Parameter (No parameter required) Return value type: String	Method	
setValue(v);	Set tag values Parameter(v: The value to change) Return value type: Void (No return value)	Method	

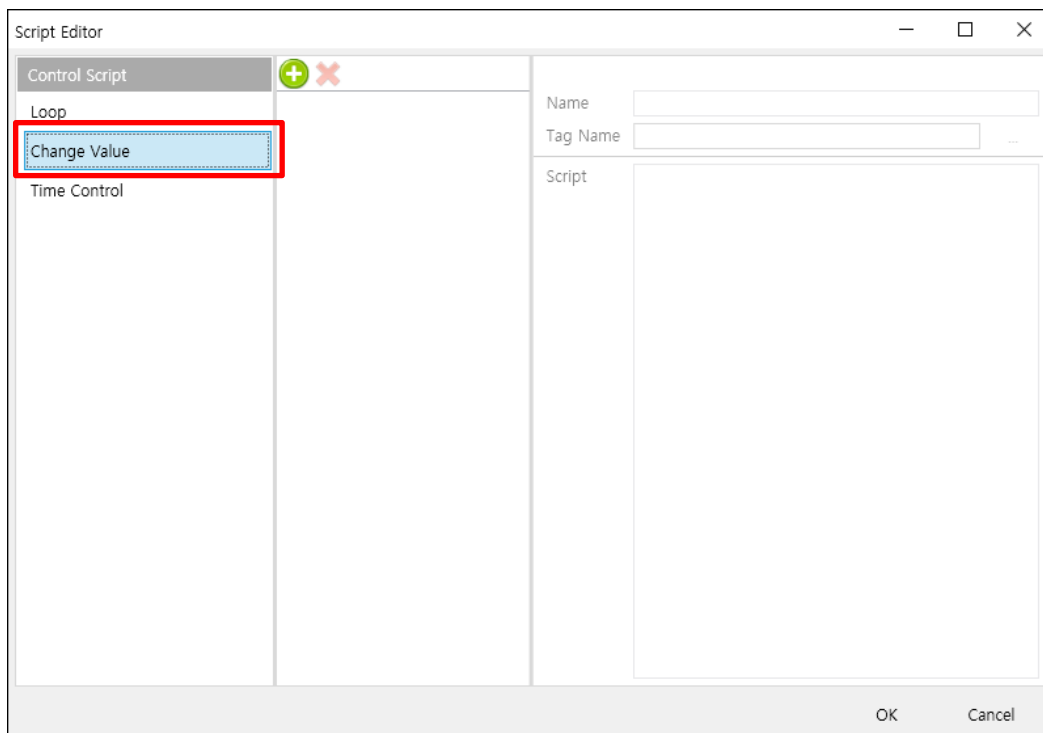
Appendix 2 – Script creation example

- When the value of tag [TAG00001] is changed, the value is multiplied by 10 and stored in tag [TAG00002]

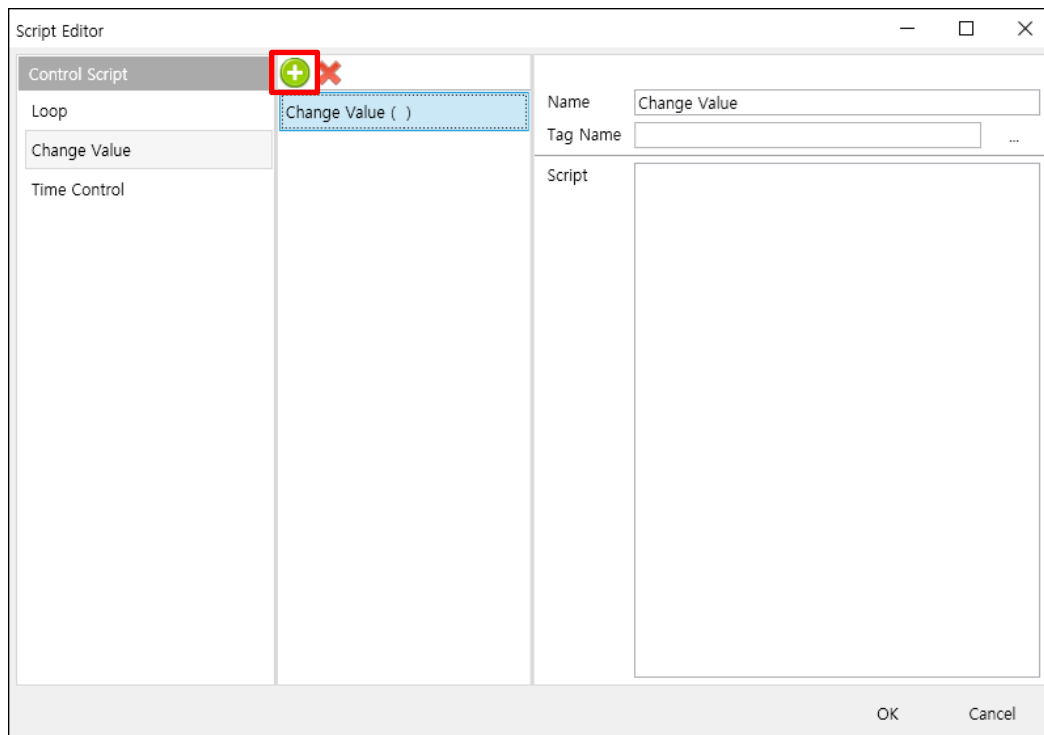
① Click [Script] on the [Project] tab.



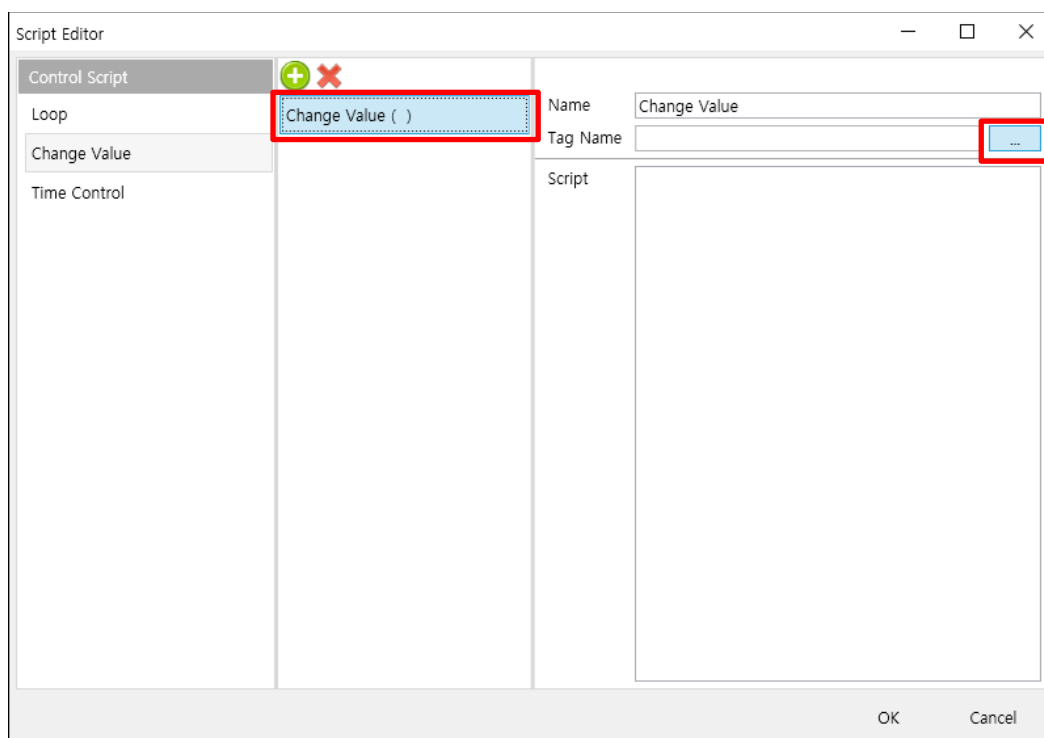
② Select the [Value Change] item in the opened [Script Editor].



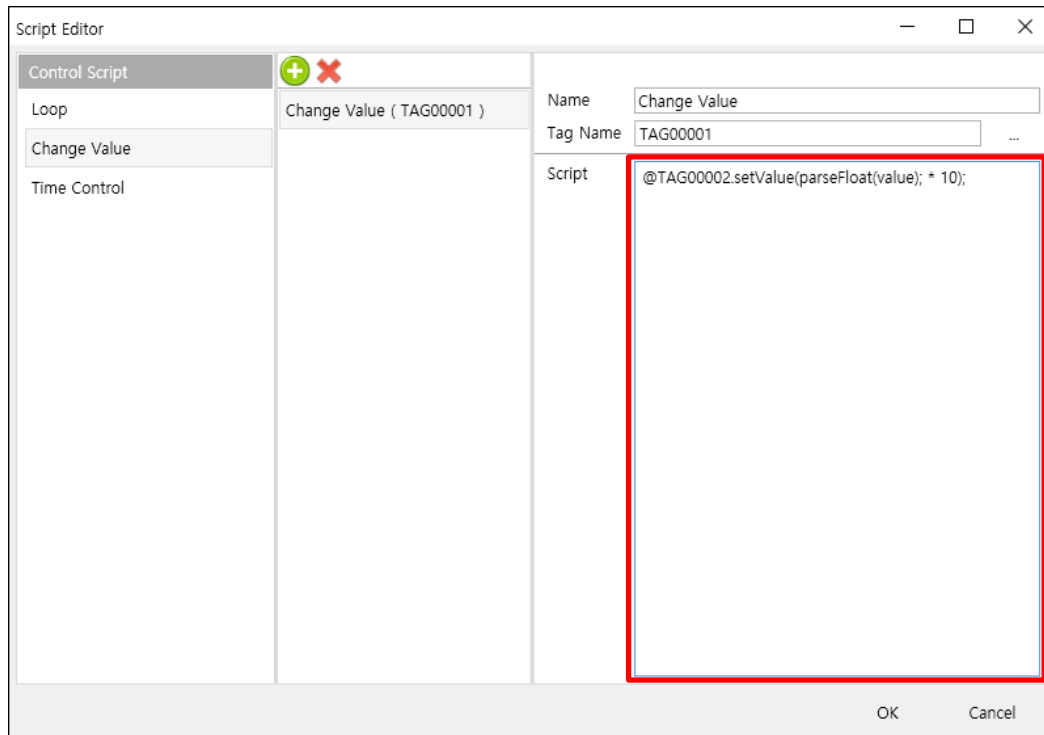
③ Press the button  to add the script.



④ Click the button [...]. Then select [TAG00001] among the tags that appear.



⑤ Enter the following script in the [Script] field.



※ Value is a string type. You have to change it by calling parseFloat(), the javascript conversion method, to perform arithmetic operations.

⑥ Click [OK] to save the setting data.