

XP-Builder V3.20 Improvement & Addition

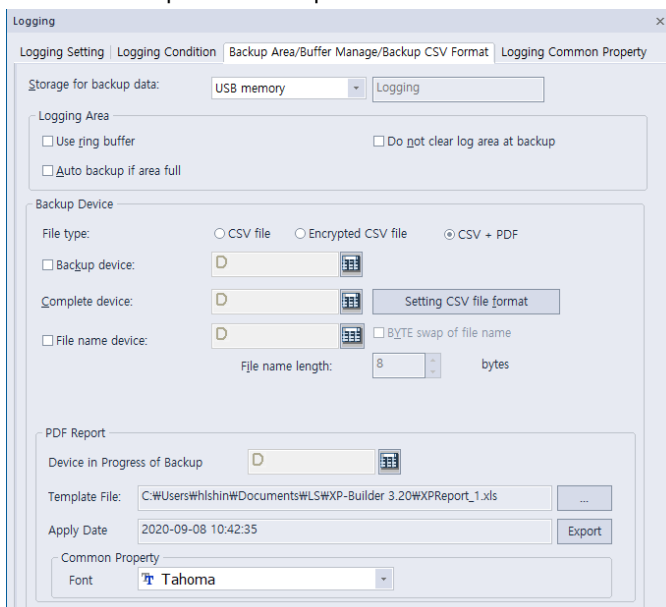
1. Improvement & Addition

1) Revision of the text and logo in SW according to company name change (LSIS -> LS ELECTRIC)



2) Added PDF Report generation function for logging data

- Users can directly edit the Excel template files required for PDF report generation.
- One template file required for PDF creation can be entered for each logging.



XHAUST GAS CLEANING SYSTEM
Daily Report #1
2020-09-22

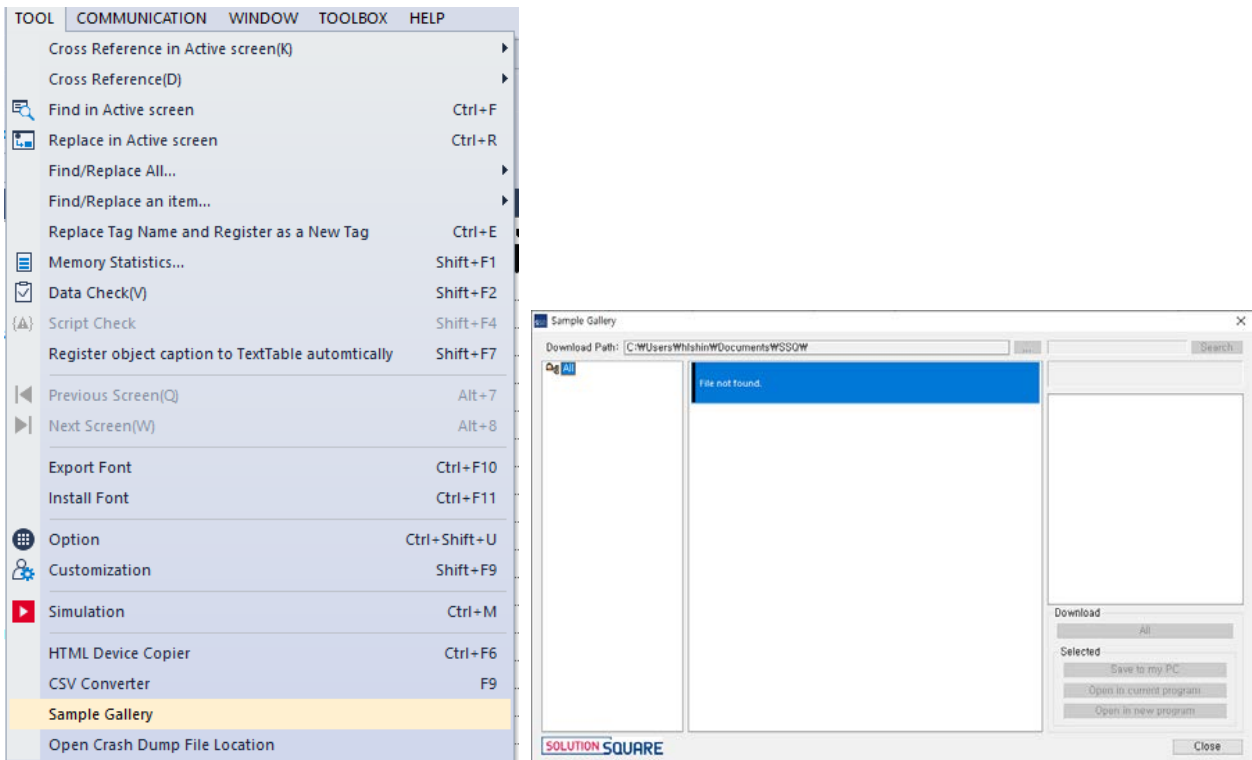
No	DATE	STATUS	NO.1	NO.2	NO.3	NO.4	NO.5	NO.6
1	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
2	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
3	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
4	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
5	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
6	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
7	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
8	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
9	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
10	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
11	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
12	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
13	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6
14	2020-09-22 9:30	Logging Completed	1	2	3	4	5	6

3) XP-Builder CrashDump creation and transmission function added (post service after S/W distribution)

- Applied only to XP-Builder, and complements the case where the dump does not remain even if the program is abnormally terminated
- Automatically send dump to our server

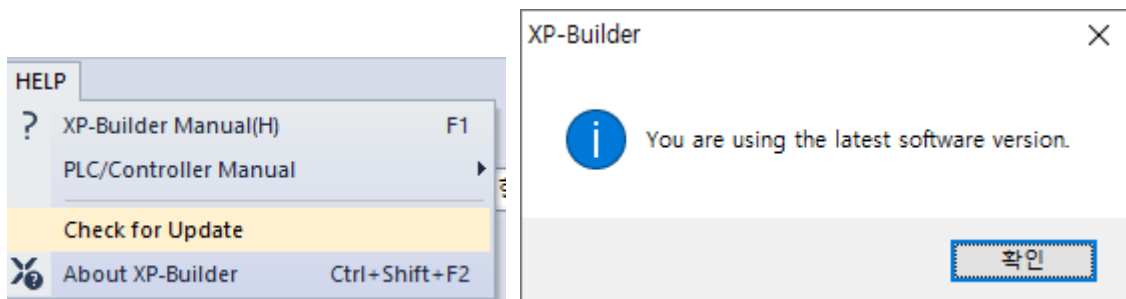
4) XP-Builder's own online service (SSQ)

- Provides sample download function in XP-Builder menu [Tools]-[Sample Gallery]



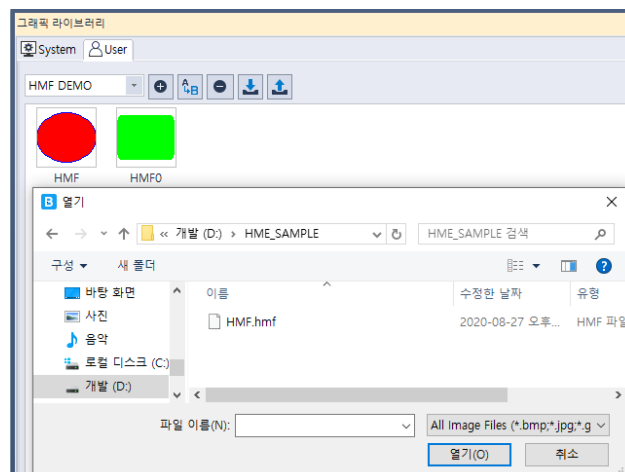
5) Provide the function to check the latest version of XP-Builder

- Provides a function to check whether the latest version is available in the XP-Builder Help menu.



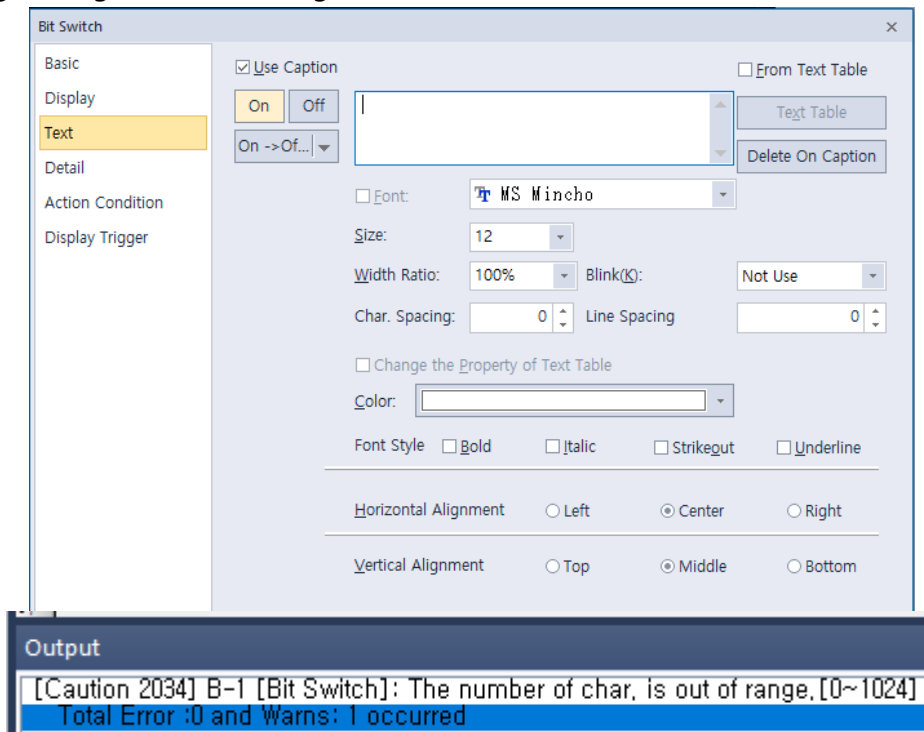
6) XP-Builder HMF (HMI MetaFile Format) format image file saving and loading function added

- HMF format image files can be saved and loaded from graphic library.



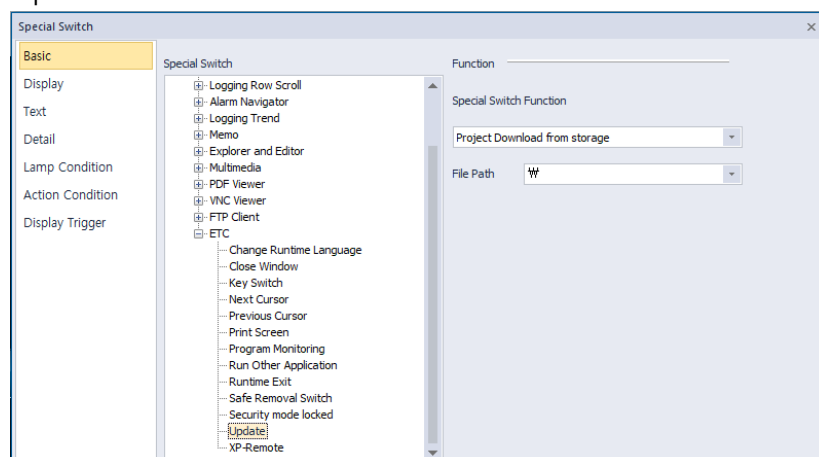
7) Extending the maximum allowable length of direct input text of switch and lamp objects

- Changed the allowable text length from 255 characters to 1024 characters when directly entering a text tab of the switch or lamp object.
- Warning message when exceeding 1024 characters.



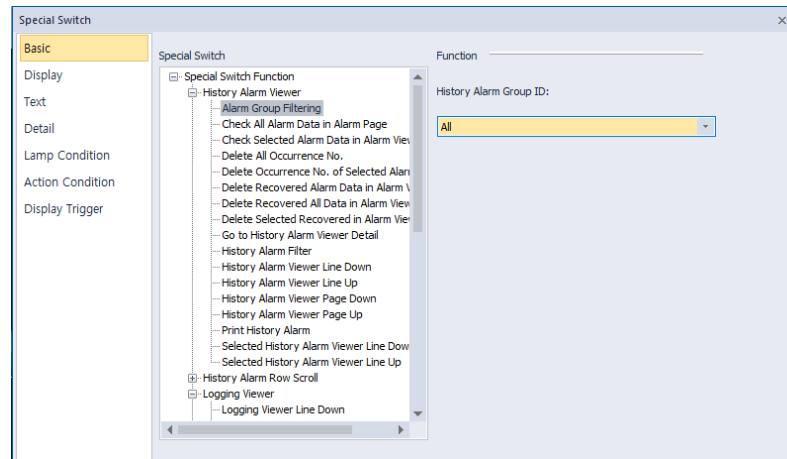
8) Add XGT Panel project download function through [Special Switch]

- Adds the function of downloading project from storage devices such as USB/SD card by adding update item of special switch.



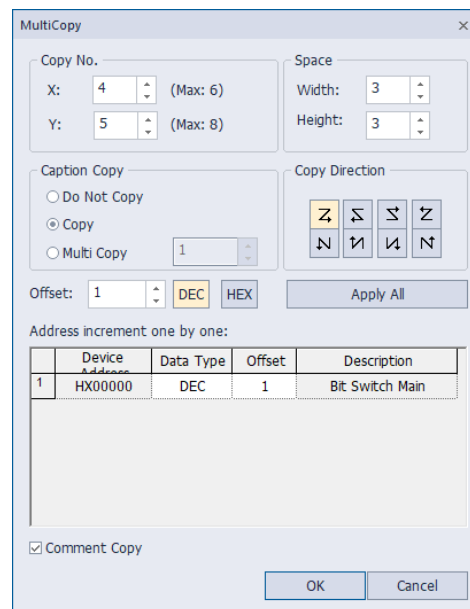
9) Added a function to view the entire alarm list in the history alarm viewer through [Special Switch]

- Added a function to view the entire alarm list by adding the alarm group All to the alarm group filtering item in the history alarm viewer of the special switch.



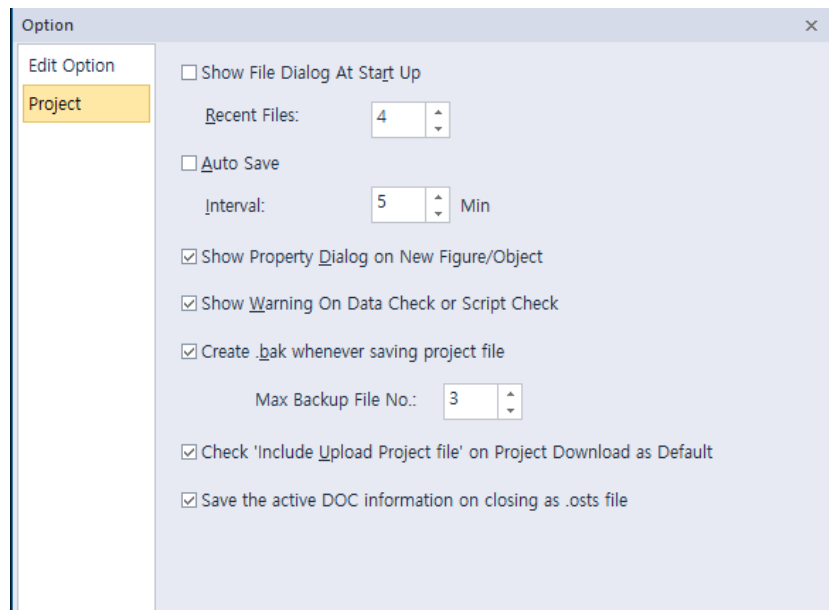
10) In the continuous copy function of XP-Builder, the function is improved so that the device address range increase value can be entered by hexadecimal as well as decimal numbers.

- Improved to be able to input device address range increase value in hexadecimal when copying objects continuously.



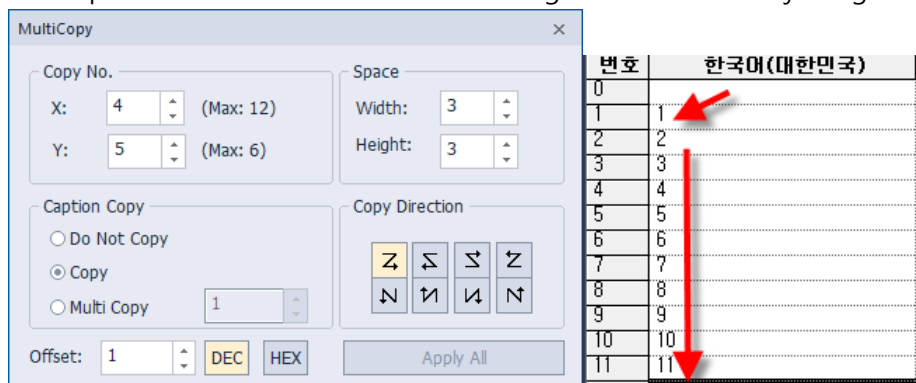
11) XP-Builder 마지막 화면 설정 정보를 .Osts 파일로 생성/저장 여부 옵션 기능 추가

- XP-Builder에서 닫기 전 활성화한 화면의 정보를 저장하는 옵션 기능 추가



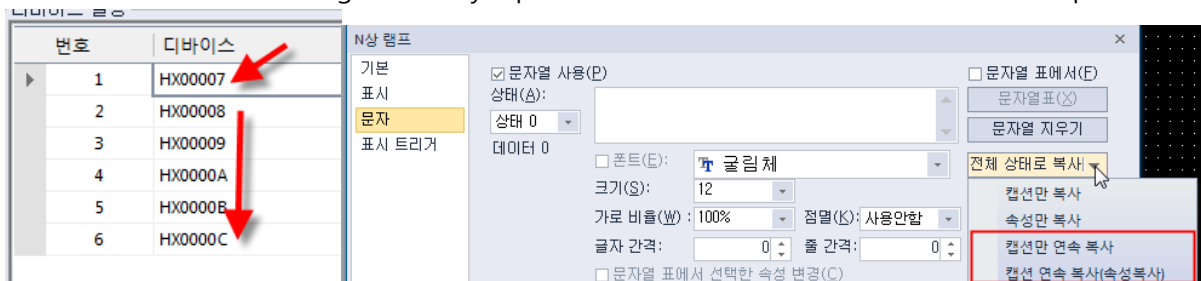
12) In the continuous copying of XP-Builder, a function has been added so that the range increase value is applied to the object text (including the text table)

- Improvement of inconvenience of editing the text of the object again after continuous copying.



13) Improvement of device/text input editing function in N-phase lamp object of XP-Builder (automatic assignment/auto increase)

- The number of states that can be input in the N-phase lamp object is up to 16, but the inconvenience of having to directly input both the device and the text has been improved.

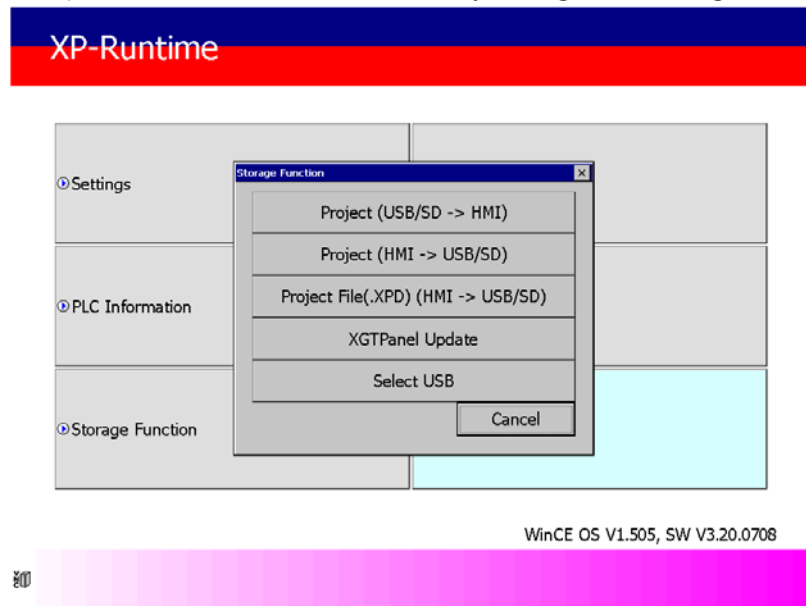


14) XP-Builder Arial Unicode MS font extraction speed slow improvement.

15) [XP-Runtime] In the same way as the text input, if the numeric input is hidden by the display trigger, it does not respond to the touch event.

16) [XP-Runtime] Adds a function to download/upload projects stored in the device to an external storage device

- Adds download/upload function to other devices by saving the drawing of the device to USB

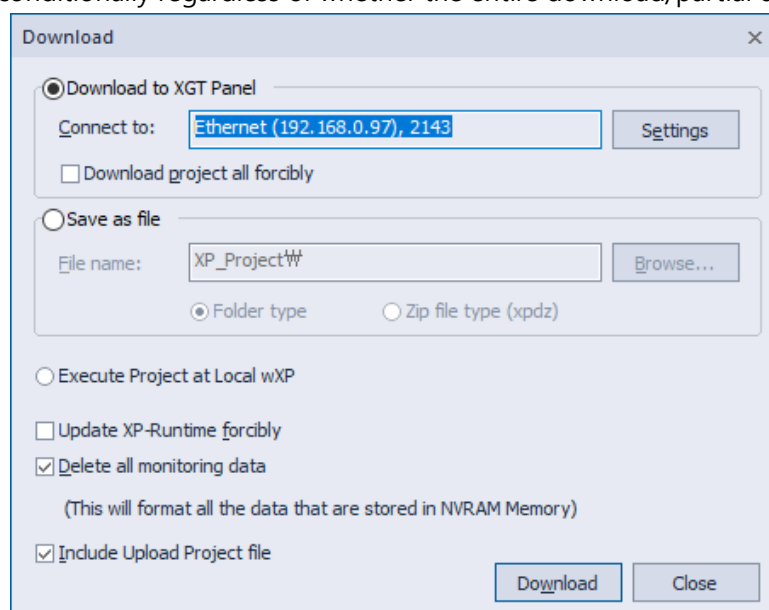


17) [XP-Runtime] Developing a recovery program that recovers to XP-Runtime stored in the designated path

- In case that XP-Runtime does not run normally for some reason and it is a WinCE screen, if XP_Runtime is saved in the storage device, the XP-Runtime is restored immediately by touching the XP-Runtime restoration icon on the desktop.

18) [XP-Runtime] hanged to initialize SRAM only when "Delete all monitoring data" option is applied even when downloading the entire [XP-Runtime]

- Improved to delete SRAM data according to whether the "Delete all monitoring data" flag is checked unconditionally regardless of whether the entire download/partial download is performed.



2. Error Correction

- 1) **[XP-Builder]** Fixed the phenomenon that the simulator operates abnormally when the string length of switch/lamp is more than 255 characters.
- 2) **[XP-Builder]** Fixed the problem that the IP list was not properly searched/displayed on the screen when scanning IP in **[XP-Builder] [Communication]-[Communication Settings]**.
- 3) **[XP-Runtime]** Fixed a phenomenon in which only part of logging data is displayed on the distribution map when switching to the screen where the logging distribution map is arranged in a specific situation.
- 4) **[XP-Runtime]** Fixed the phenomenon that the password keypad was placed behind the pop-up window and displayed.
- 5) **[XP-Runtime]** Fixed the problem that the No Recipe Storage error message occurred even if the recipe was not used in iXP70.

3. Communication Driver

1) New communication driver

(1) Modbus Standard TCP, RTU, ASCII communication driver 3 types development

Modbus communication optimization driver development

(2) Development of HTTP-based communication driver for industrial multi-gas (NH₃, H₂S) meter

DEKIST Radionode HTTP communication

2) Communication driver improvement

(1) Mitsubishi address maximum range extension and display method change

Expansion of input address range of Mitsubishi QnU PLC series

(2) Siemens S7 PPI driver has been improved to be able to input odd addresses

(3) FUJI new module communication application

Add IO processing (T Link RT, T Link FTL)

(4) LS: Inverter (MODBUS) Use single read option added