

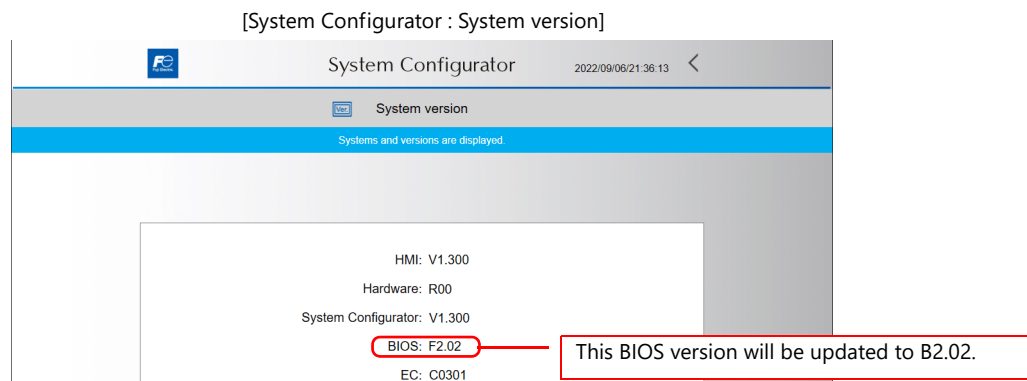
X1 Series BIOS Updating Procedure

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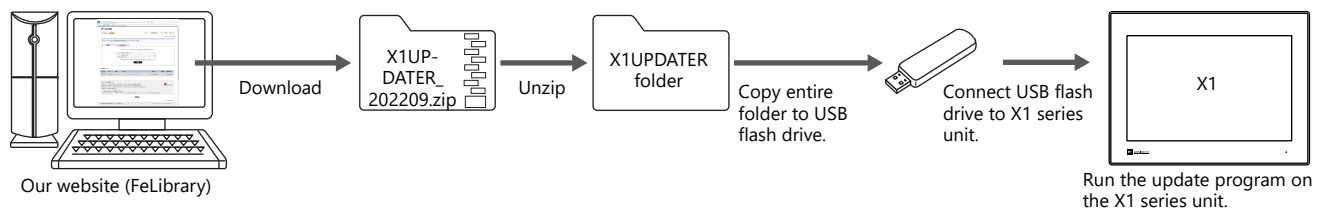
Overview of the Update

Update programs are provided for the X1 series via our website when functions of the X1 series are enhanced or when bugs are fixed. The X1 series can be updated by saving such update programs to a USB flash drive and running them on the X1 series unit.



* BIOS of the X1 series cannot be updated via V-SFT version 6.

Diagram of Updating Procedure



Items to Prepare

- X1 series unit
- Update program file "X1UPDATER_202209.zip" (downloaded from our website)
- USB flash drive

Preparing the Update Program

1. Download the X1 update program (X1UPDATER_202209.zip) from our website (FeLibrary), and unzip it. [Click here to download.](#) * Membership registration and User login are required to download.
2. Copy the entire "X1UPDATER" folder unzipped in step 1 to a USB flash drive.
3. Connect the USB flash drive to the X1 series unit.

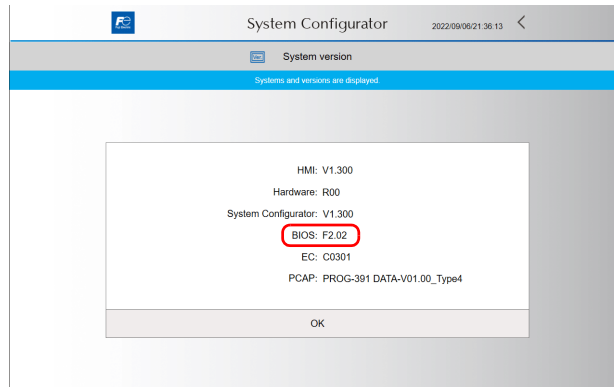
Before Updating X1 Series

Check the current BIOS version of the X1 series and whether the optional security function is used.

Checking the Current BIOS Version

Check that the current BIOS version is "F2.02" on the System version screen in System Configurator.
If the current version is already B2.02, BIOS update is not required.


 For details on starting System Configurator, refer to "1. Switching to Local Mode" P3 and "2. Starting System Configurator" P3.

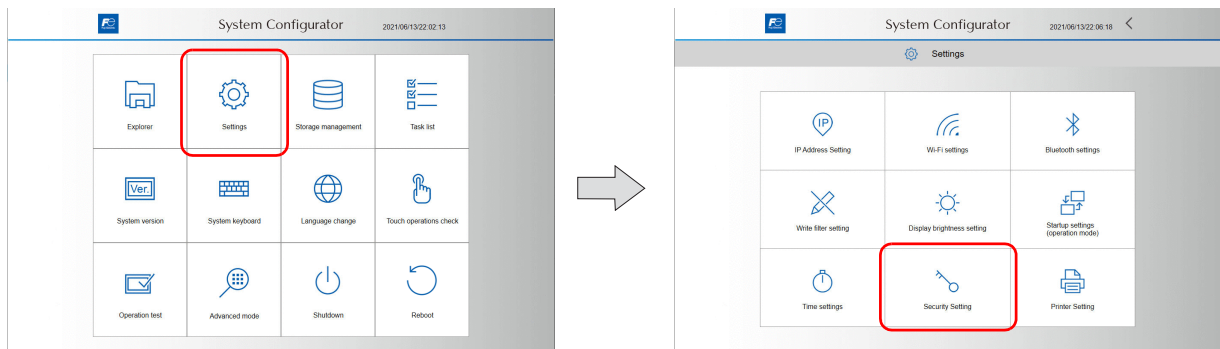


Checking the Security Function (optional)

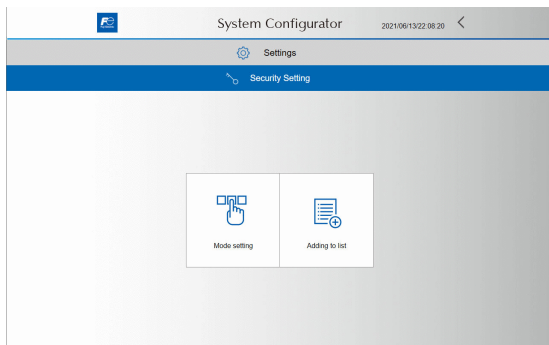
The updating procedure varies depending on whether if the optional security function is used or not. Check the optional security function is used in advance.

1. Press [Settings] → [Security Setting] in System Configurator.

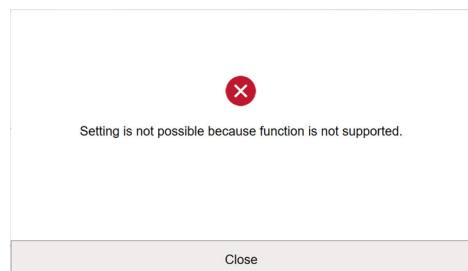
 For details on starting System Configurator, refer to "1. Switching to Local Mode" P3 and "2. Starting System Configurator" P3.



2. The following screen is displayed if the security function (optional) is used.



* The following message is displayed if the security function is not used.



Outline of Updating Procedure

Follow the steps below to update the X1 series.

1. Switching to Local Mode P 3
2. Starting System Configurator P 3
3. Invalidating the Write Filter Setting..... P 4
4. Changing Startup Settings (Operation Mode) to System Configurator..... P 4
5. Changing the Security Setting to Updating Mode (Only When Using the Optional Security Function) P 5
6. Running Update Program P 5
7. Updating List in the Security Setting (Only When Using Optional Security Function)..... P 7
8. Changing the Security Setting to Valid Mode (Only When Using the Optional Security Function) P 8
9. Changing Startup Settings (Operation Mode) to HMI (Normal use) P 9

Updating Procedure

1. Switching to Local Mode

1. Hold down one corner*1 of the screen for at least 2 seconds and release your finger when there is a beep. Then within one second, hold down a different corner*1 for at least 2 seconds to display the system menu.
2. Press the [Local] switch on the system menu. The Local mode screen is displayed. *2



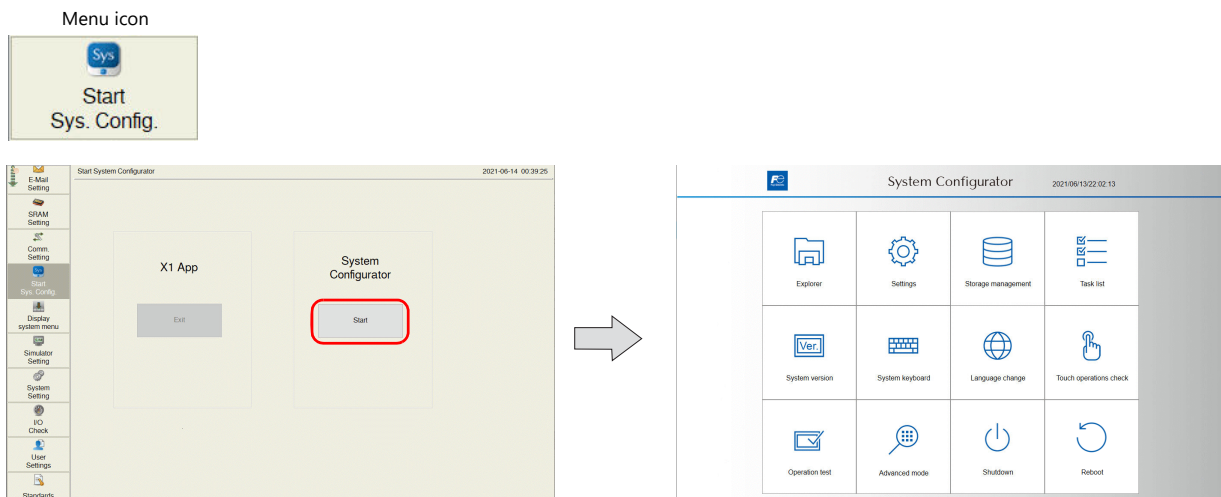
*1 If any of the items given below are placed in a corner on the screen, the system menu will not be displayed by pressing that corner. Be sure to press a corner where none of these items are placed. If the following items are placed in all four corners of the screen, switch the screen to another one that has open corners and perform the above procedures to display the system menu.

Switches, data display parts with switches, display areas, scrolling messages, slider switches, scroll bars, and table data display parts

*2 If the [Local] switch on the system menu is unresponsive, a mode change delay time may be set. In this case, hold down the [Local] switch (for max. 30 seconds).

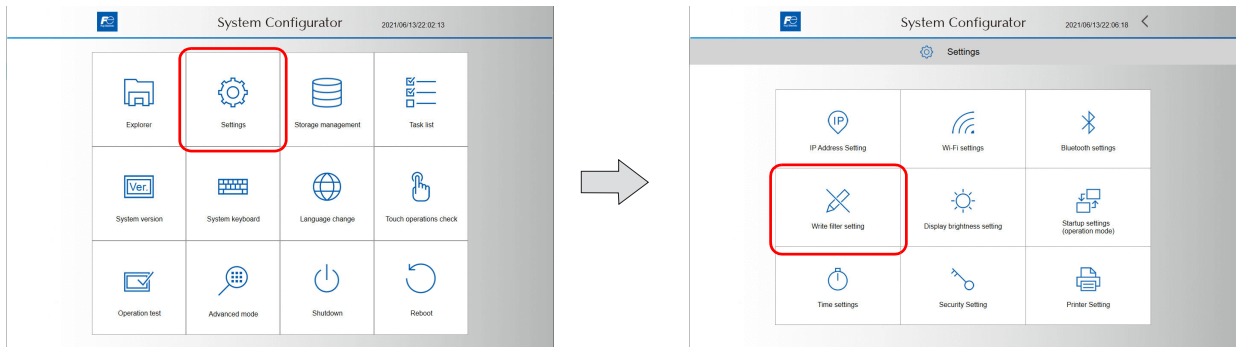
2. Starting System Configurator

1. Scroll the menu icons on the left side of the Local mode screen and press [Start Sys. Config.] to bring up the Start System Configurator screen.
2. Press the [Start] switch to start System Configurator.

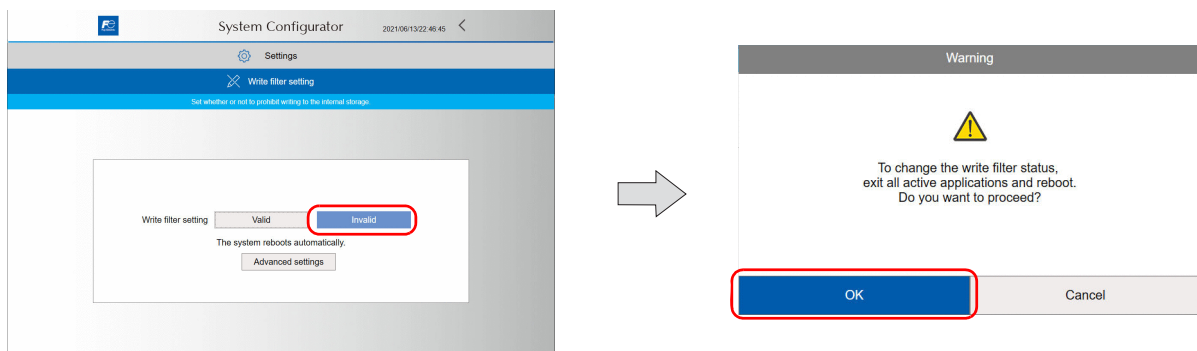


3. Invalidating the Write Filter Setting

1. Press [Settings] → [Write filter setting] in System Configurator.

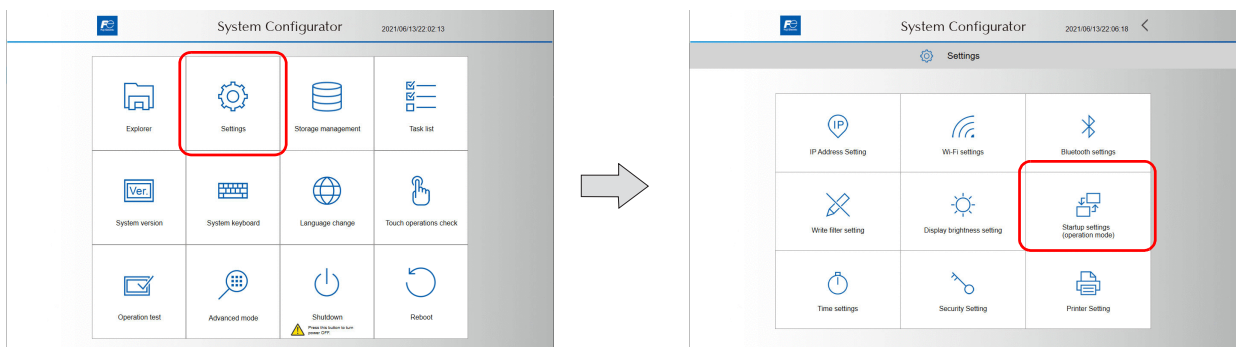


2. Press [Invalid].
The following dialog appears. Press [OK] to reboot the X1 series unit.

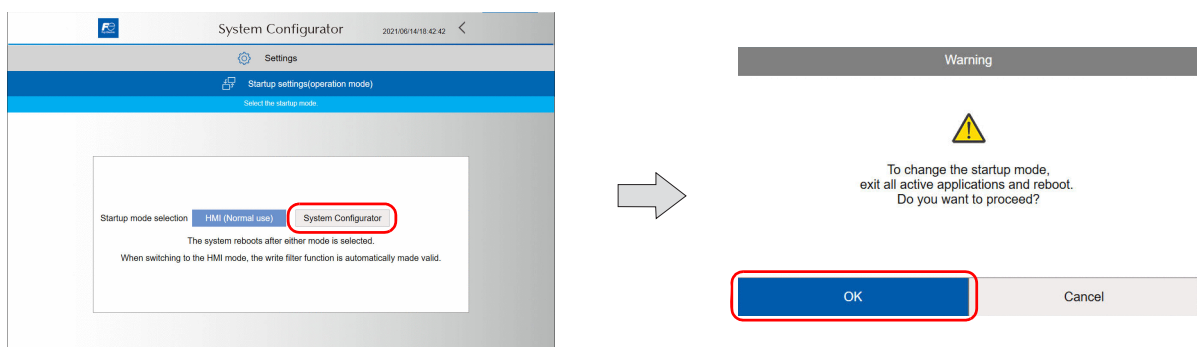


4. Changing Startup Settings (Operation Mode) to System Configurator

1. Switch to the local mode screen by referring to "1. Switching to Local Mode" P3, and start System Configurator by referring to "2. Starting System Configurator" P3.
2. Press [Settings] → [Startup settings (operation mode)] in System Configurator.

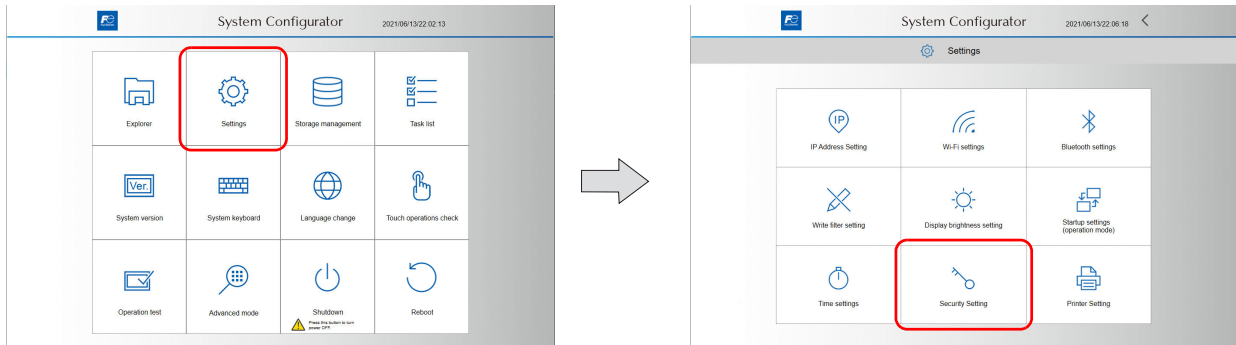


3. Press [System Configurator].
The following dialog appears. Press [OK] to reboot the X1 series unit.

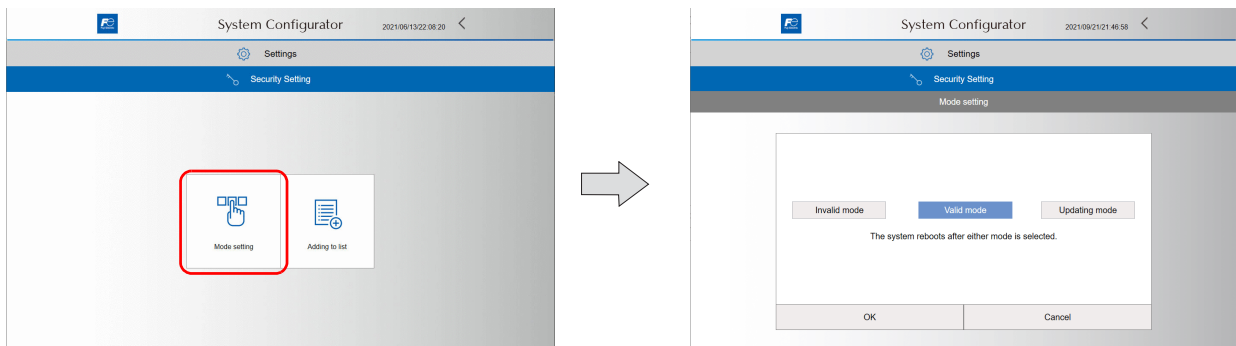


5. Changing the Security Setting to Updating Mode (Only When Using the Optional Security Function)

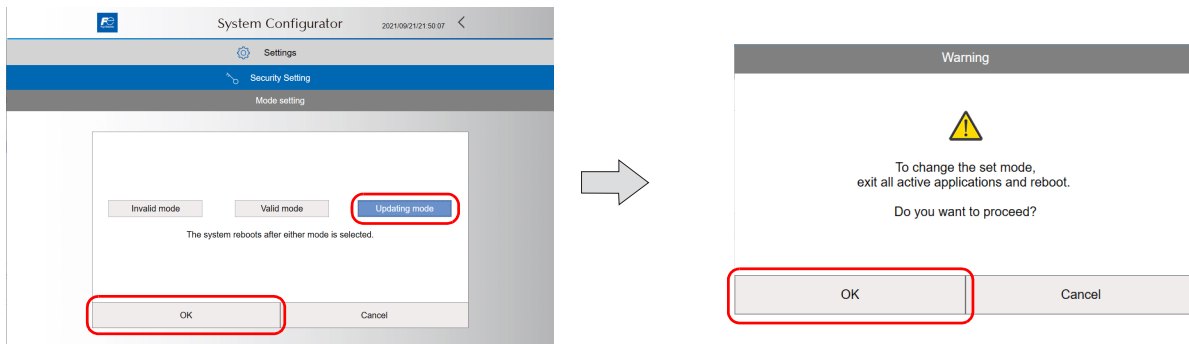
1. Press [Settings] → [Security Setting] in System Configurator.



2. Press [Mode setting].

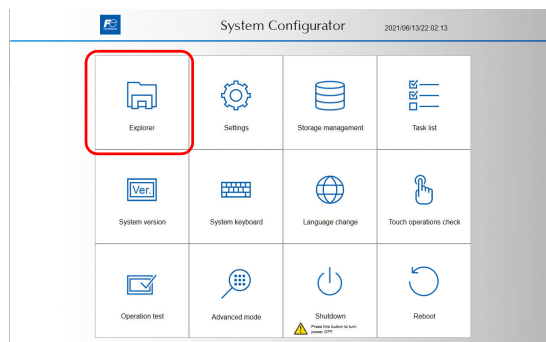


3. Press [Updating mode] → [OK].
The following dialog appears. Press [OK] to reboot the X1 series unit.

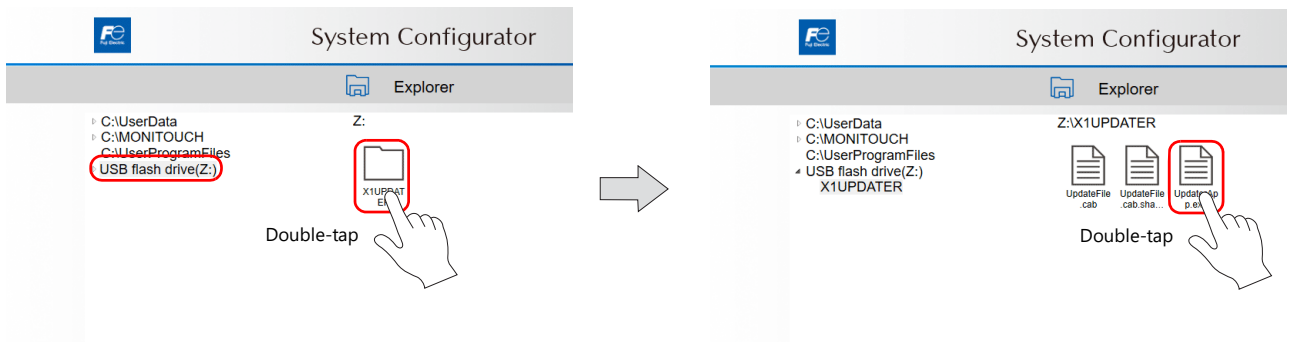


6. Running Update Program

1. Press [Explorer] in System Configurator.



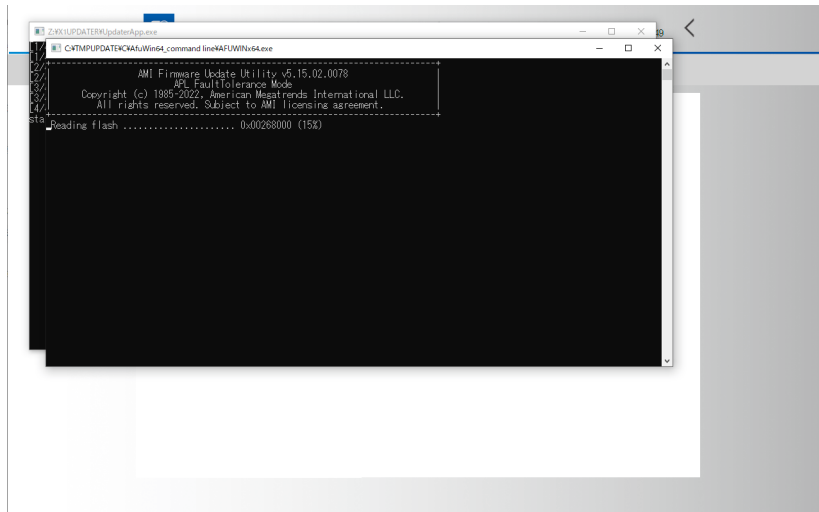
- Open the "X1UPDATER" folder in the [USB flash drive (Z:)]*. Then double-tap "UpdaterApp.exe" to run the program.
 - * The drive name of the USB flash drive depends on the USB port used.



- After waiting for a while, the following window appears and the update is performed. When the update is complete, the X1 series unit reboots.



- X1 cannot be operated during update.
- Do not turn off the power before the X1 series unit reboots automatically.
- When using the multi-display function by connecting to a display that supports touch operations, do not connect and disconnect the USB cable between the X1 series unit and the display.

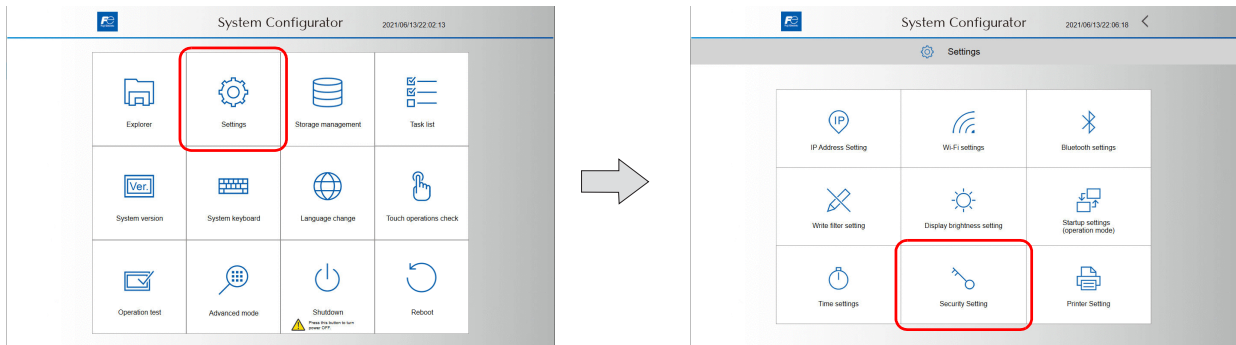


If the following error appears, change the security setting to updating mode by referring to ["5. Changing the Security Setting to Updating Mode \(Only When Using the Optional Security Function\)" P5](#), and run the update program.

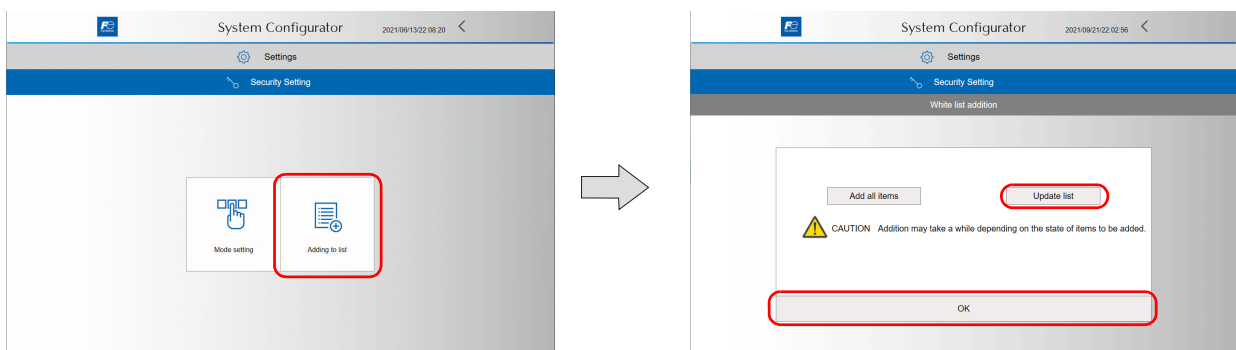


7. Updating List in the Security Setting (Only When Using Optional Security Function)

1. Press [Settings] → [Security Setting] in System Configurator.



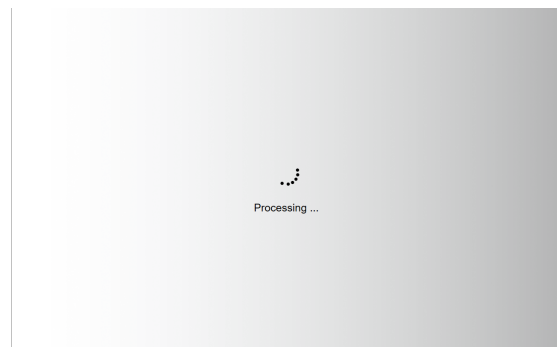
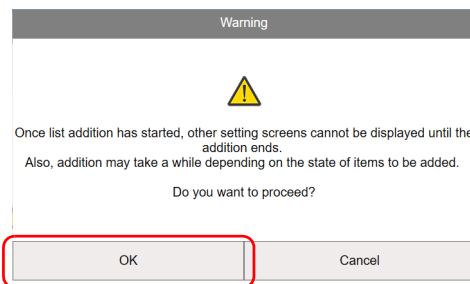
2. Press [Adding to list] → [Update list] → [OK].



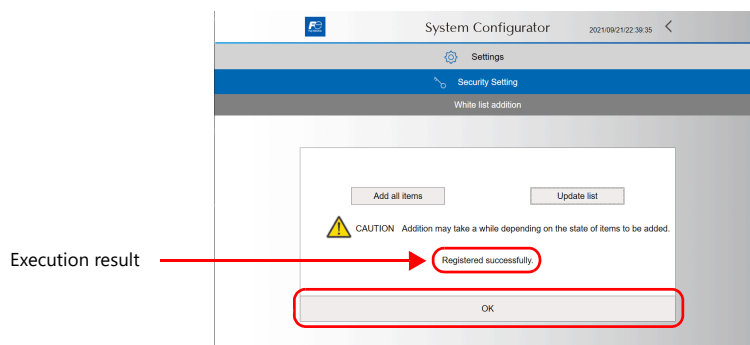
3. The following dialog appears. Press [OK] to start adding items to the list. The [Processing...] screen is displayed while the above addition is in progress. While processing, all other operations are disabled.



Do not turn off the power until the list addition is completed.

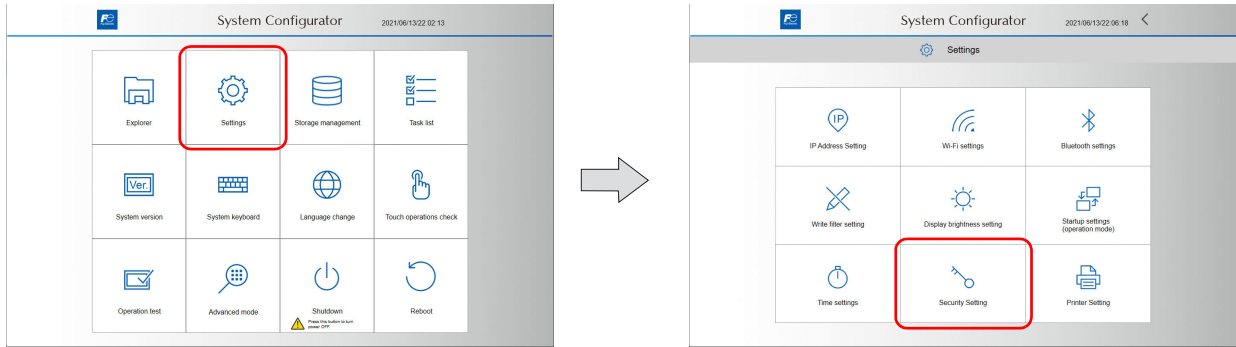


4. When the list addition is completed, the screen returns to the White list addition screen and the execution result is displayed. Press [OK].

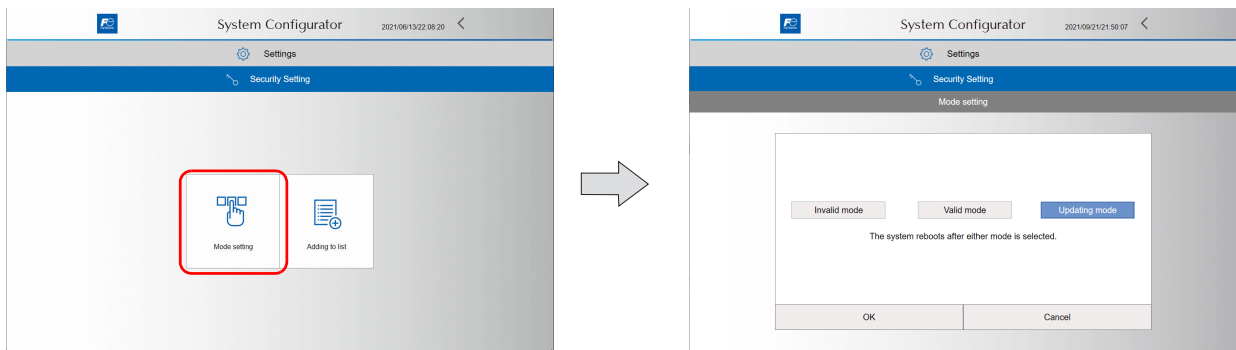


8. Changing the Security Setting to Valid Mode (Only When Using the Optional Security Function)

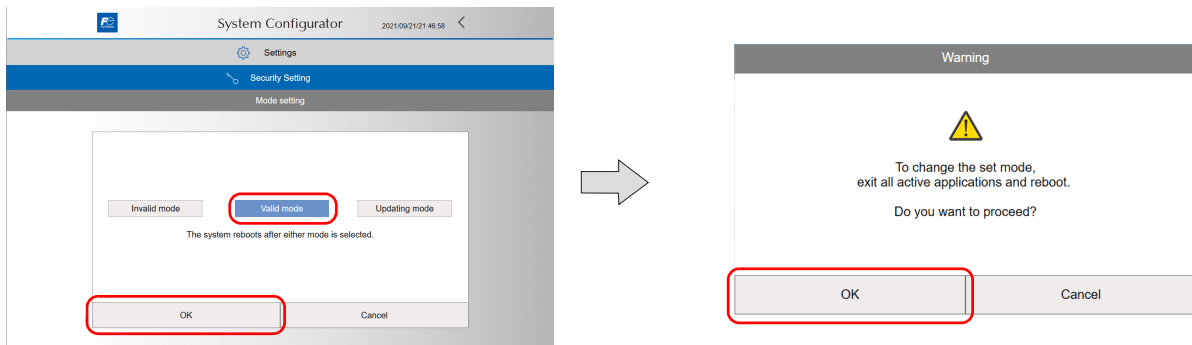
1. Press [Settings] → [Security setting] in System Configurator.



2. Press [Mode setting].

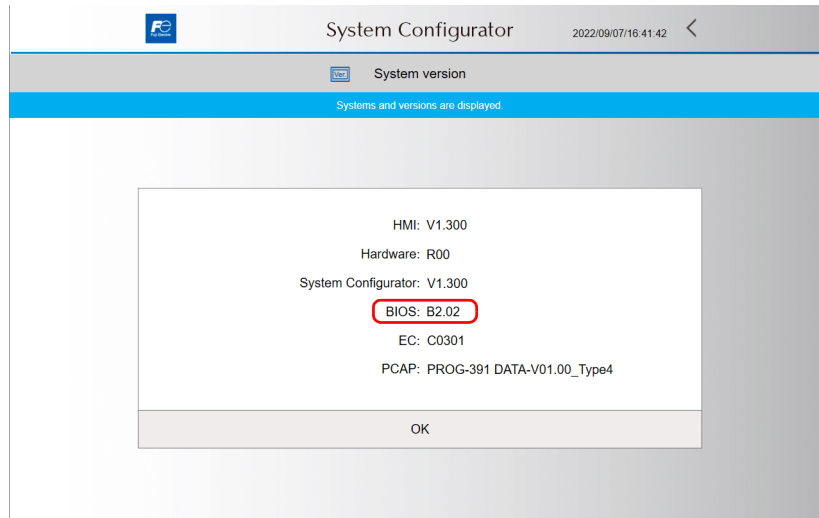


3. Press [Valid mode] → [OK].
The following dialog appears. Press [OK] to reboot the X1 series unit.

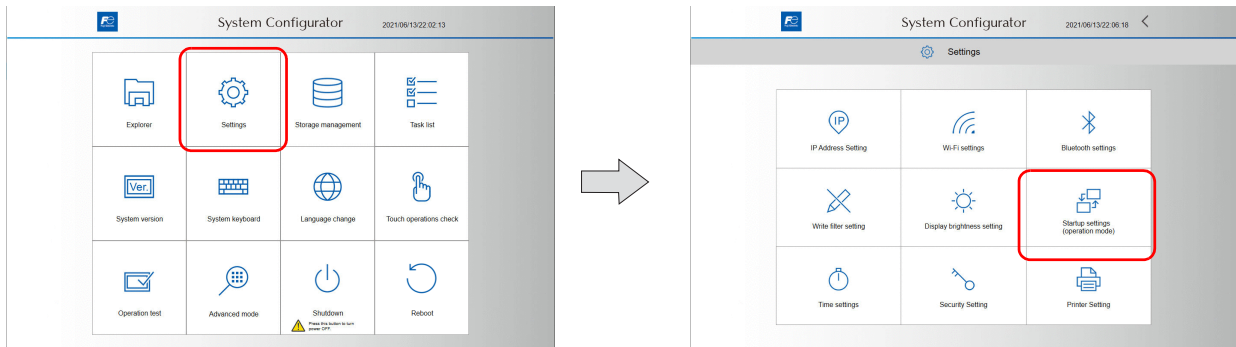


9. Changing Startup Settings (Operation Mode) to HMI (Normal use)

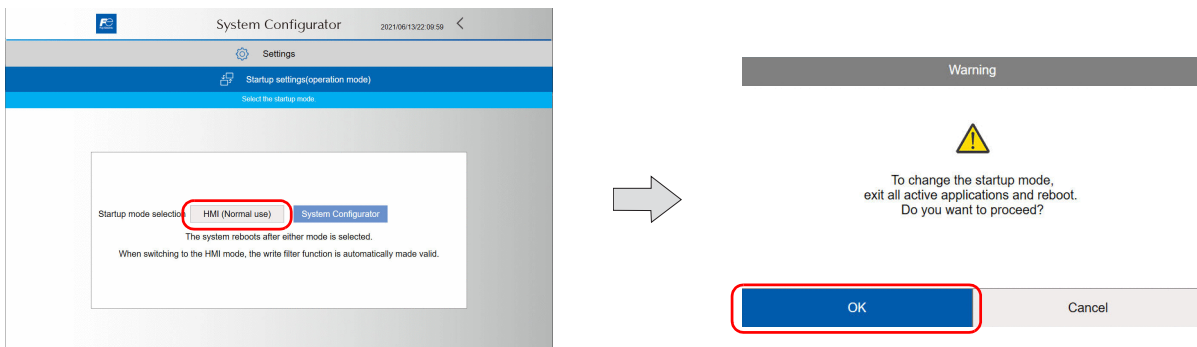
1. Confirm that the BIOS version have been updated to "B2.02" on the System version screen in System Configurator.



2. Press [Settings] → [Startup settings (operation mode)] in System Configurator.



3. Press [HMI(Normal use)].
The following dialog appears. Press [OK] to reboot the X1 series unit.
*** The Write filter setting is automatically changed to [Valid].**



This completes the update procedure.