8.3.4 Manually Updating the Operating System

This section describes the procedure for manually updating the operating system for operating the V10/V9 series unit. The operating system version can be checked from the System Information screen in Local mode on the V10/V9 series unit.

For the recommended capacity of a storage device, refer to "8.1.2 Storage Device Specifications" page 8-1.



Notes

- Before updating the operating system, creating a backup of the screen program and other data such as SRAM data is recommended to guard against data loss.
- When the operating system is updated the system program is automatically updated as well.
- It takes approximately a few minutes to update the operating system. During the update, never turn off the power of the V10/V9 series unit or remove the storage device.
- When both an SD card and a USB flash drive are connected to the V10/V9 series unit, the SD card takes priority.
- Only one instance of the "OSUPDATE" folder for V9 or "OSUPDATE_100" folder for V10, which is used for updating the operating system, can be stored per storage device.

$\textbf{PC} \rightarrow \textbf{Storage Device Writing}$

- 1. Start V-SFT.
- 2. Click [File] \rightarrow [Storage Manager]. The window for specifying a drive is displayed.
- 3. Specify the drive where the storage device is inserted and click [OK]. The [Storage Manager] window *1 is displayed.



*1 Storage manager

The storage manager is an application that facilitates writing of V10/V9 screen programs to a storage device, and importing of data from a storage device for conversion into other file formats. For details, refer to "8.4 Storage Manager" page 8-31.

 Click [Storage Setting] → [Write to Storage]. The [Write to storage] window is displayed. Configure the following settings.

| Write to Storage Storage Storage Backup Copy adrage Setting | Write to storage |
|---|---|
| | Write Data Being Edited |
| | Path of Screen Data File to Be Converted |
| | Open |
| | DSP0000.BIN File Comment |
| | Automatic Upload |
| | System Program Transfer |
| | ✓ Run after System Program Transfer |
| | Transfer OS |
| | Do Not Overwrite Port No. Table/FROM Backup Area |
| | Write OS |
| | OK Cancel |
| | |
| ltem | Descripti |

| Item | Description |
|---|--|
| Write Data Being Edited ^{*1} | Write the screen program that is open (being edited) in V-SFT. |
| Path of Screen Data File to Be Converted *1 | Select the screen program for writing to the storage device from the [Open] button. [Screen Data File (*.V10)], [Screen Data File (*.V9)] |
| Write OS | Select this checkbox to enable manual updating. |

*1 Selection of a screen program is necessary. Operating system data can only be written together with a screen program.

5. When the settings are complete, click [OK]. The following files are saved to the "OSUPDATE" folder.

| 🙀 🔍 🛏 🔚 👋 🛛 Sta | orage Setting | Storage Manager(| G:\) - [No Title.V9] | _ = × | | |
|--|---|----------------------------------|------------------------|------------------|--|--|
| Edit Help Sta | prage Setting | | | Window Style 🗸 😚 | | |
| Write to Storage Storage Storage Backup Copy Storage Setting | t BIN Property Edit Back Comment BIN File | Latest Information Display | | | | |
| 🔨 Screen (0) Edit (💦 🔪 Storage Manager(G:\) 🗙 💌 | | | | | | |
| Removable Disk (G:) | File Name | File Type | Size | Update Date | | |
| EXT0000 | fw.conf | CONF File | 132 B | 2015/02/17 03:15 | | |
| OSUPDATE | OS1.bin | BIN File | 208,648 B | 2015/02/17 03:14 | | |
| E other | OS2.bin | BIN File | 5,100,728 B | 2015/02/17 03:14 | | |
| | OS3.bin | BIN File | 107,872,256 B | 2015/02/17 03:14 | | |
| | OS4_1.bin | BIN File | 5,100,728 B | 2015/02/17 03:15 | | |
| | OS4_2.bin | BIN File | 1,247,756 B | 2015/02/17 03:15 | | |
| | OS5.bin | BIN File | 115,361 B | 2015/02/17 03:15 | | |
| | OS6.bin | BIN File | 4,361,154 B | 2015/02/17 03:15 | | |
| | OS7_1.bin | BIN File | 768 B | 2015/02/17 03:15 | | |
| | OS7_2.bin | BIN File | 21,173,045 B | 2015/02/17 03:15 | | |

Click on [Property] on the right-click menu of the "fw.conf" file to view the operating system version.

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Operation on the V10/V9 Series

After writing the data on a storage device, update the operating system according to the following procedure.

- 1. Turn off the V10/V9 series unit.
- 2. Connect the storage device to the V10/V9 series unit and turn on power to the V10/V9 series unit.
- 3. Press the [SYSTEM] switch to display the system menu and then press the [Local] switch. The V10/V9 series unit switches to Local mode.
- 4. Check the [Program Ver.] and [OSVer] on the System Information screen.
- 5. Press the [OS Update] menu switch on the OS Update screen *1.
- *1 The [OS Update] menu switch is displayed at the very bottom of the menu switches only when a storage device containing an "OSUPDATE" folder is connected.



6. The following confirmation dialog appears. Press [Execute]. Updating of the operation system starts.



While the operating system is being updated, never turn off the power of the V10/V9 series unit or remove the storage device.



7. The V10/V9 series unit reboots and the screen will be black for a short while.

| Enting Sector | 05 Update 2015-03-0 | 9 10:49:03 | Black screen |
|--|---------------------|------------|--------------|
| 09) OS Update | | | |