Getting Started

This document describes the procedure for upgrading the PMW-580/500/400/350/320/EX350/EX330/EX1R/F3/PXW-X320/PMW-EX330R to the latest version. First save the update data to an SxS memory card, and then use the menu to perform the upgrade.

For details on using each camcorder, refer to the Operating Instructions for the camcorder.

Checking the Current Version

If your current version is 1.00 or more, you can use the update data to upgrade to the latest version.

To check the version of the PMW-EX1R/F3

Select "Version" from the OTHERS menu.

To check the version of the PMW-580/500/400/350/320/EX350/EX330/PXW-X320/PMW-EX330R

Select "Version" >"Version" from the MAINTENANCE menu.

Notes on Performing Upgrade

- Use an AC power source. You can mount the battery pack at the same time to prevent problems in case the AC power source is interrupted.
  For the PMW-EX1R: Use a BC-U1/U2 Battery Charger (usable as an AC adaptor).
  For the PMW-580/500/400/350/320/EX350/EX330/F3/PXW-X320/PMW-EX330R: Use an AC-DN10 or AC-DN2B AC Adaptor.
- Use an SxS Pro or SxS-1 memory card. Operations are not guaranteed with memory cards other than SxS PRO and SxS-1.

Saving the Update Data to an SxS Memory Card

1 Use one of the following methods to enable data to be saved from the computer to the SxS memory card.

- Use a computer with an SxS memory card slot.
- Connect an SBAC-US20 SxS Memory Card USB Reader/Writer (not supplied) to the computer.
- Connect the camcorder to the computer using the USB cable.

2 Format (initialize) the SxS memory card using the camcorder.

Note

Make sure to format an SxS memory card on the camcorder that is to be upgraded.

3 Insert the SxS memory card that you formatted in step **2** into the SxS memory card slot on the computer, the SBAC-US20 (not supplied), or the camcorder.

4 Download the zip file containing the update data (model name_Y.YY_XXXX-SxS.zip) from the update-data download site, and save it to a desired location in the computer (Y.YY: latest version number).

Note

Check the model name and the version number of the zip file, and download the file matching to your camcorder.

5 Expand the zip file, and save the update data file (model name_Y.YY_XXXX-SxS.f.bin) to the location on the SxS memory card that you inserted in step **3**, as shown below:

- For FAT or UDF: Directly under the root directory
- For exFAT: Directly under the XDROOT directory

Note

Do not save any files on the SxS memory card other than the update data.

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Performing the Upgrade

Note

Do not do any of the following while performing the upgrade. Doing so could interrupt the upgrade process, and cause malfunctions.
- Eject or insert an SxS memory card
- Turn the power off

For details on using each camcorder, refer to the Operating Instructions for the camcorder.

1 Insert the SxS memory card containing the update data into the camcorder.

Note

Do not insert another SxS memory card in the other slot.

2 **To upgrade the PMW-EX1R/F3:** Select "Version Up" from the OTHERS menu, and then select "Execute".

Note

Do not rotate the camcorder's LCD monitor toward the lens during the upgrade process. (Video reversing is disabled during the upgrade process.)

To upgrade the PMW-580/500/400/350/320/EX350/EX330/PXW-X320/PMW-EX330R: Select "Version" >"Version Up" from the MAINTENANCE menu, and then select "Execute".

Note

During the upgrade process, leave the camcorder's viewfinder eyepiece in the flipped-up position. (Video reversing is disabled during the upgrade process.)

The following message appears: "Connect DC Power to DC IN Upgrade Version?"

3 Select "Execute".

The message "Searching Package File" appears, and the camcorder starts searching for the update data.

When the update data is found, the message "Version VX.XX > VY.YY Upgrade" appears (X.XX: current version number, Y.YY: latest version number).

If the update data is not found:
The message "Version Upgrade No File" appears. The following are the possible causes.
- The update data is not saved to the location on the SxS memory card described in step 5 of "Saving the Update Data to an SxS Memory Card."
- The update data for a different model is saved.
- The data could not be decoded correctly.
- The header information is incorrect.

Save the correct update data to an SxS memory card, and restart the upgrade from step **1**.

4 Select "Execute".

The upgrade begins.

There are three phases to the upgrade, labeled "Phase 1" to "Phase 3". Below are shown the messages displayed during each phase, and the approximate time they will take.

Message	Approximate time	
Version Upgrade Phase1 Executing… xxxx Secs Elapsed	PMW-580/400 PXW-X320/ PMW-EX330R	About 9 minutes
	PMW-500	About 6 minutes
	PMW-350/320/ EX350/EX330	About 5 minutes
	PMW-EX1R	About 3 minutes
	PMW-F3	About 5 minutes
Version Upgrade Phase2 Executing… xxxx Secs Elapsed	PMW-580/400 PXW-X320/ PMW-EX330R	About 14 minutes
None	PMW-500	About 12 minutes
	PMW-350/320/ EX350/EX330	About 4 minutes
	PMW-EX1R	About 2 minutes
	PMW-F3	About 9 minutes
Version Upgrade Phase3 Executing… xxxx Secs Elapsed	PMW-580/400 PXW-X320/ PMW-EX330R	About 11 minutes
	PMW-500	About 14 minutes
	PMW-350/320/ EX350/EX330	About 12 minutes
	PMW-EX1R	About 11 minutes
	PMW-F3	About 10 minutes

Note

No message will appear during Phase 2 of the upgrade, but the upgrade process is still continuing. Do not turn off the power.

When the upgrade is complete, the following message appears: "Version Upgrade OK: Turn Power Off".

If the upgrade was interrupted:
If there was an error in the update data, the following message appears: “Version Upgrade NG: Cannot Read. Power Off”. Restart the camcorder, save the correct update data to an SxS memory card, and then restart the upgrade from step **1**.

If the upgrade failed:
The message “Version Upgrade Error!!” appears. Re-check the upgrade procedure, and restart the upgrade from step **1**.
If the upgrade still does not execute correctly, then there may be a malfunction in the camcorder. Contact your dealer or a Sony service representative.

5 Restart the camcorder.

6 Make sure that the version is now the latest (see “Checking the Current Version”).