How to Update
PXW-X70
System software

Windows

Mac

▌Preparing for system software update

Please prepare the following items in addition to your camera.

System requirements for a computer

【 Windows 】
[Supported OS]
Windows 8.1
Windows 8
Windows 7 SP1
Windows Vista*1 SP2
*1 Starter edition is not supported.
[Other system requirements]
- Hard disk space: 200MB or more
- RAM: 512MB or more
* Please close all other application software before updating the system software.

【 Mac OS 】
[Supported OS]
OS X v.10.7 – v.10.10
[Other system requirements]
- CPU: Intel processor *
* Core Solo and Core Duo processors are no longer supported.
- Hard disk space: 200MB or more
- RAM: 512MB or more
* Please close all other application software before updating the system software.
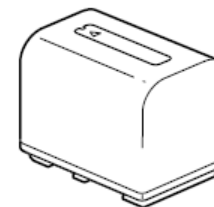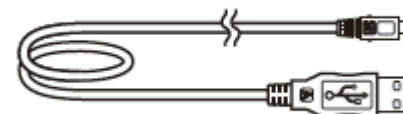* Prevent your computer from sleeping beforehand.

Other items

Power source for the camera

Fully charged rechargeable battery pack NP-FV70
or NP-FV100(sold separately) or AC adaptor

Note: The update can be performed only when the remaining battery level is ▯ ▮▮▮ (three marks) or more.
We recommend that you use a fully charged battery or the AC adaptor .

USB cable supplied with the camera

Note: **Update functionality is not guaranteed with any other USB cable.**

How to Update
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Windows

For Windows

Updating the System software

- When performing the system software update, please use a fully charged rechargeable battery pack NP-FV70 or NP-FV100(sold separately) or the AC adaptor.

-Do not remove the battery pack or AC adaptor during the update; otherwise, the camera may become inoperable due to the sudden power shutdown.

-Remove the memory card from the camera beforehand.

1. Download the update file

Click on the files below to begin download.
Please save the downloaded file onto the Desktop of your computer (recommended).

PXW-X70

Update_PXWX70V200.exe   File size：74.4 MB(78,082,112 byte)
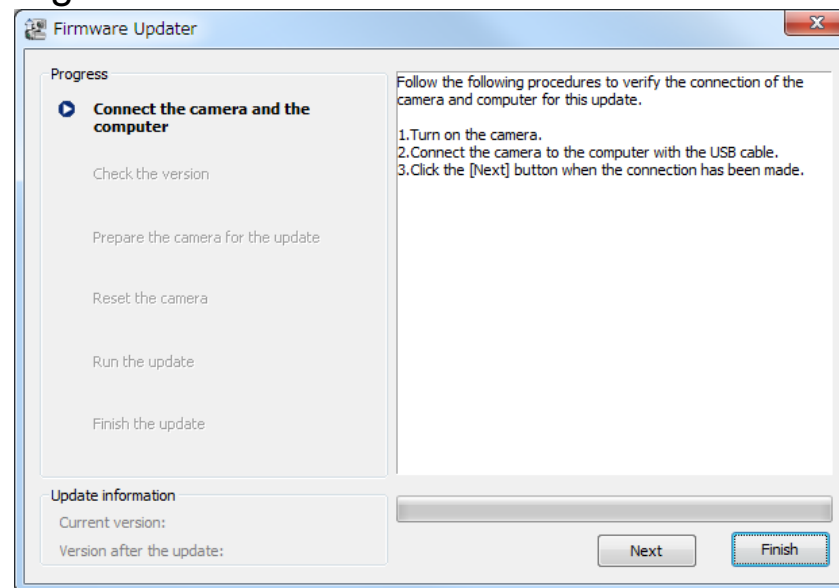
For Windows 8 or Windows8.1 users;
Under the initial settings of Internet Explorer, the update file will be saved in the [Downloads] folder. Click the [Desktop] tile from the Start screen and find the downloaded file in the [Downloads] folder by using Explorer.

2. Start up Firmware Updater

• Close all currently running programs on your computer.

• PXW-X70
  Double-click [Update_PXWX70V200.exe] to start up Firmware Updater (Figure 2).

Figure 2

3. Connect the camera to the computer

Remove the memory card from the camera beforehand.

1. Connect the camera to the computer with the supplied USB cable.

> Note: When the camera is connected to the computer, the LCD screen of the camera turns off. Please proceed to the next step.

If the computer cannot find the camera, the message " Could not find the camera for this update." appears on the computer display. Try the following if this happens.
- Disconnect the USB cable and connect it again.
- If the computer has multiple USB terminals, try with the other terminals.
  (Your computer may have some USB terminals on the backside.)

2. Confirm ![icon] ![icon] is displayed on the task tray at the lower right corner of the computer screen.

3. After confirming the above, click [Next] on the Firmware Updater. Figure 4 appears on the Firmware Updater, and Figure 5 appears on the LCD screen of the camera.

Note: From now on, do not turn off the camera until the system software update is completed.
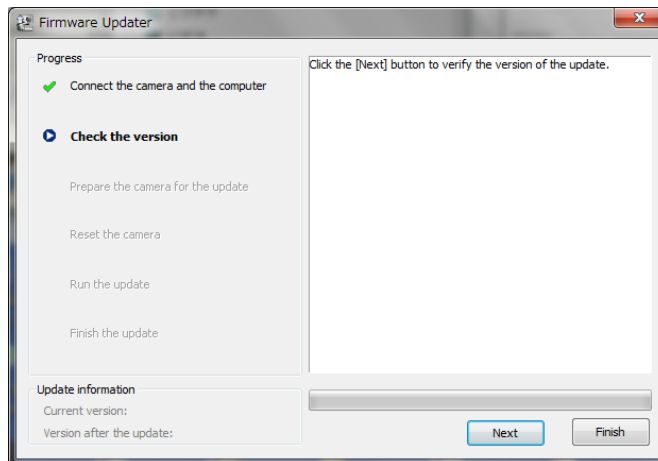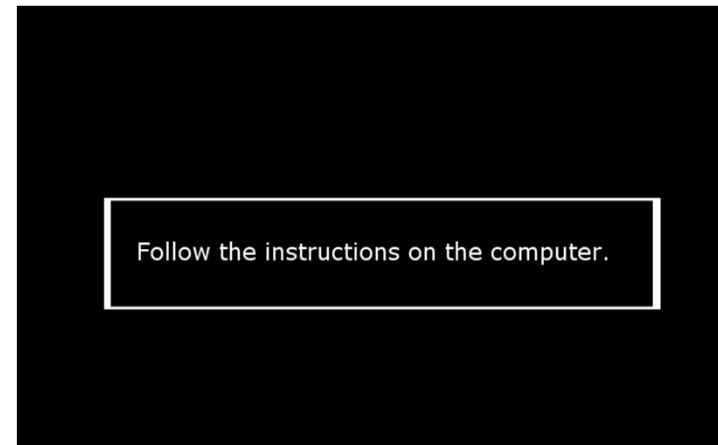
Figure 4: Firmware Updater

Figure 5: Camera's LCD screen

4. Check if the update is required

1. After confirming the screens on Figures 4 and 5, click [Next]. The current version and the version after the update appear on the lower left part of the screen. (Figure 6)
2. After confirming the screen on Figure 6, click [Next].
   [Current version] is [Ver.1.02] or earlier.

> Note: If the screen on Figure 7 appears, the update is not required. According to the message, stop the USB connection and click [Finish].
> Turn off the camera, remove the battery pack or the AC adaptor, and then turn on the camera again.
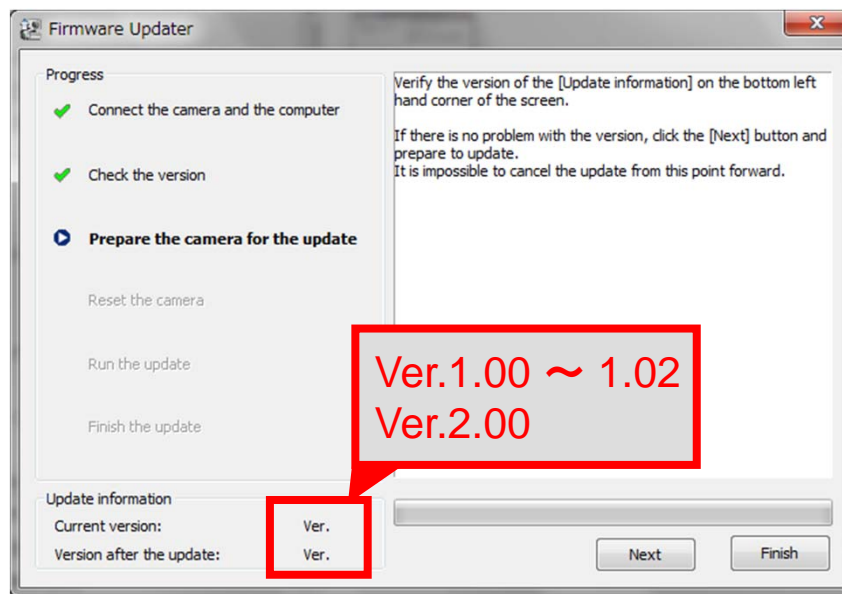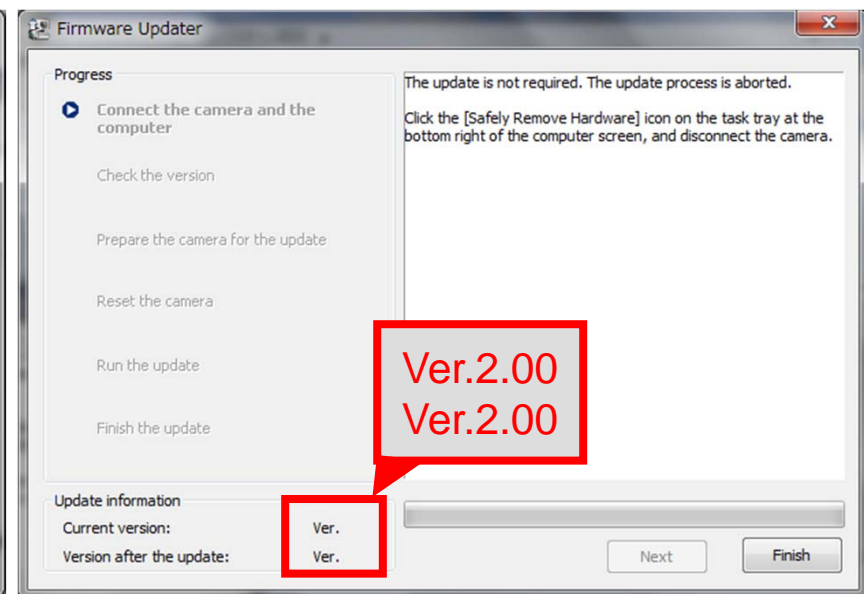
Figure 6: Update is required

Figure 7: Update is not required

Ver.1.00 ～ 1.02
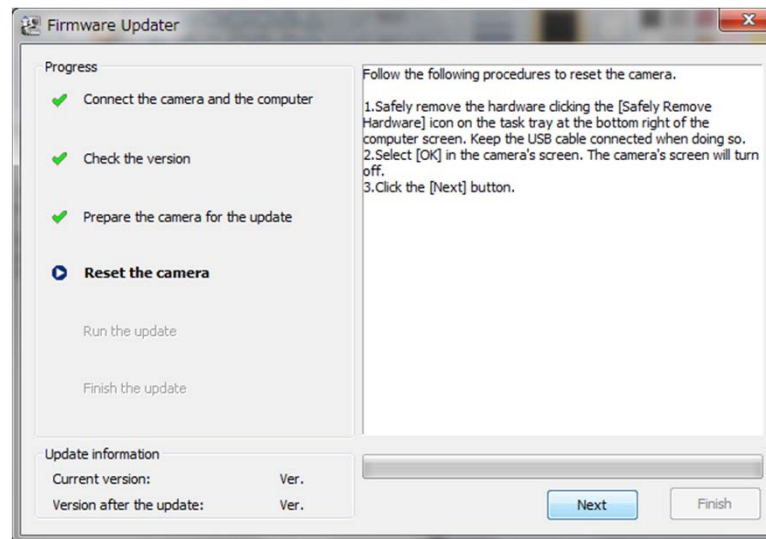Ver.2.00

Ver.2.00
Ver.2.00

5. Reset the camera

1. Click ![icon] ![icon] on the task tray at the lower right corner of the computer screen to stop the USB connection.

> Note: Please keep the USB cable connected even after stopping the USB connection on the computer with the above operation.

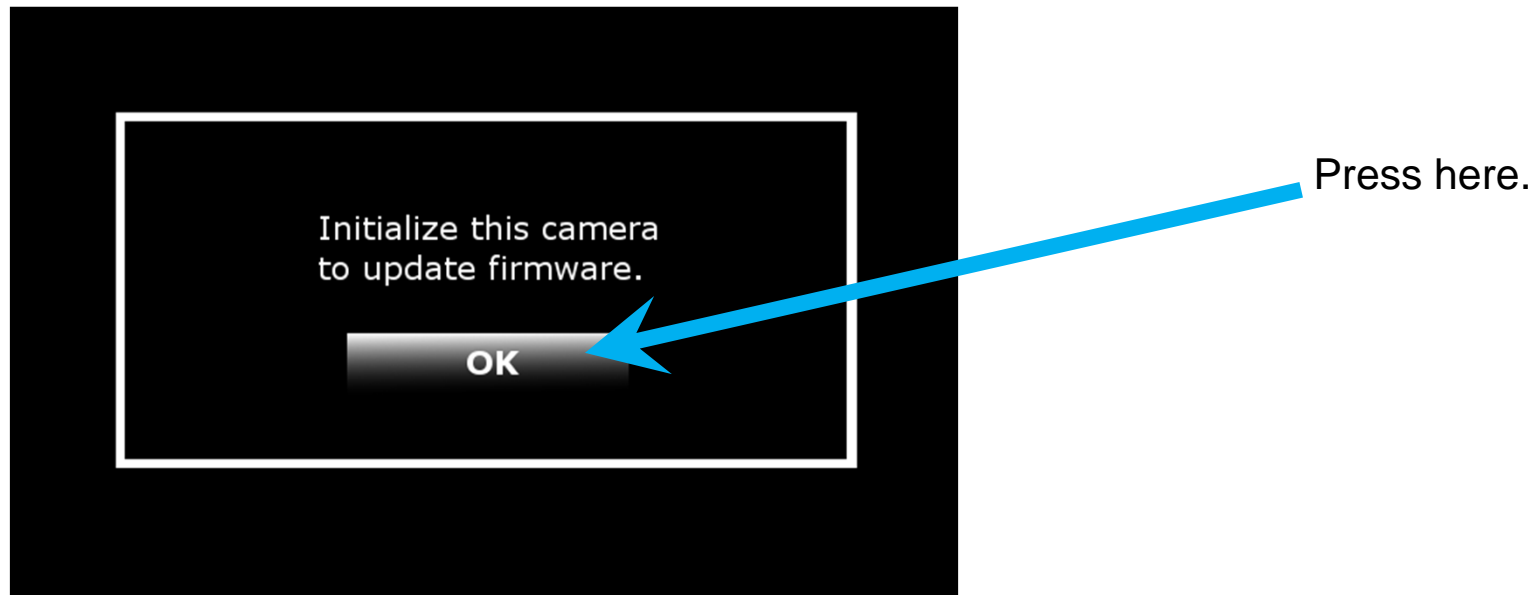> Note: If ![icon] ![icon] is not displayed on the task tray, please proceed to the next step.

Figure 8

2. Press [OK] on the panel.

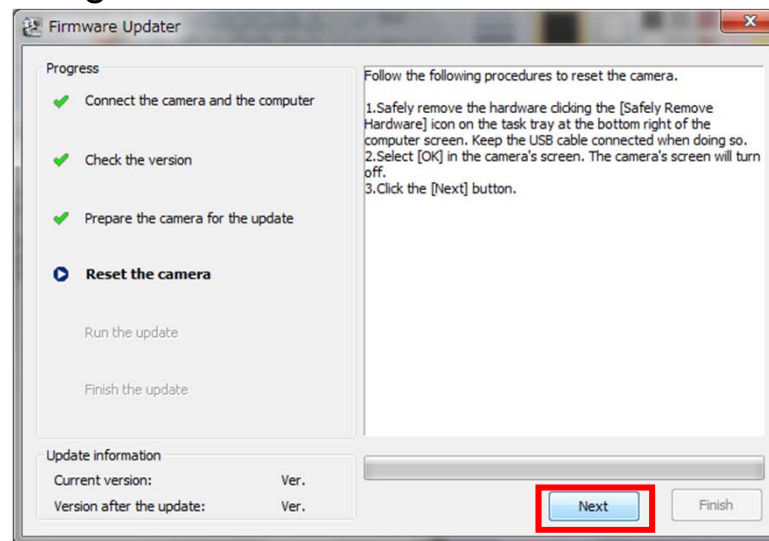Note: The screen turns off when the center of the control wheel is pressed. Please proceed to the next step.

Figure 9

Initialize this camera
to update firmware.

OK

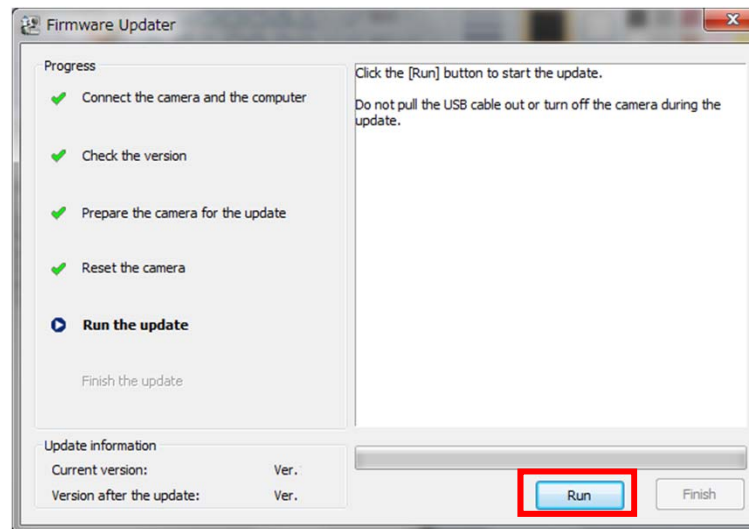Press here.

3. Click [Next] on the Firmware Updater.

Figure 10

6. Start the update

1. After resetting, reconnection of the camera is verified, and the screen on Figure 11 appears.
2. Click [Run] to start the update.
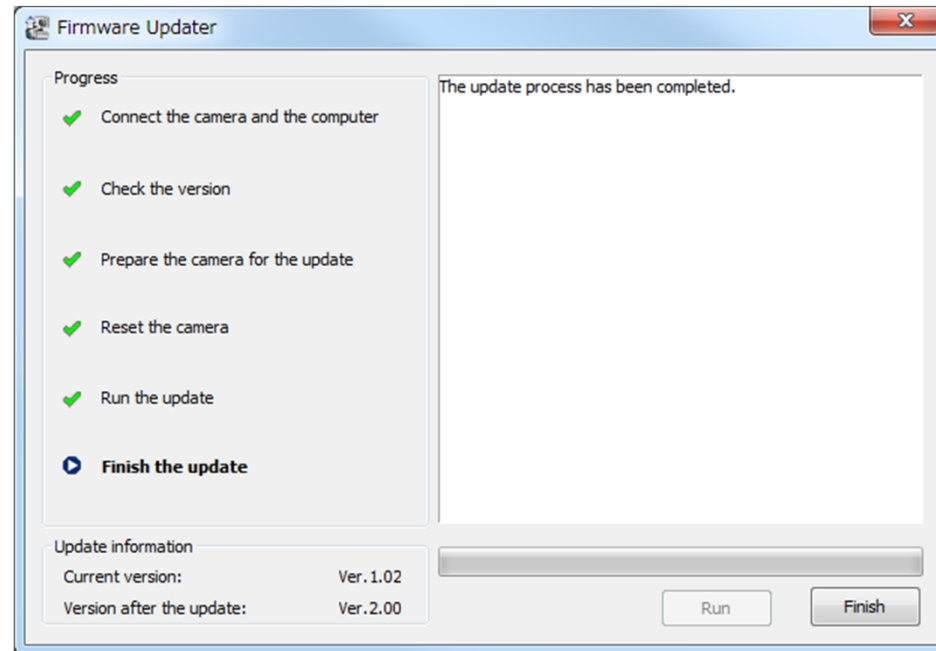   The progress bar appears while updating (approximately 5 minutes).

Figure 11

Note: Do not turn off the camera or disconnect the USB cable while updating

7. Complete the update

1. When the update is completed, the "Finish the update" screen appears.
   Click [Finish].

2. Click [icon] [icon] on the task tray at the lower right corner of the computer screen to stop the USB connection.

   Note: If [icon] [icon] is not displayed on the task tray, please proceed to the next step.

3. Disconnect the USB cable.

   Note: After finished the update, turn off the camera, remove the AC adaptor, and then turn on the camera again.

Follow the instruction below to confirm the system software version is Ver.2.00

Select [Menu] → [OTHERS] → [VERSION DISPLAY] on the camera.
The system software version is displayed (Figure 13).

Figure 13

How to Update
PXW-X70
System software

Mac

For Mac OS

Updating the system software

- When performing the system software update, please use a fully charged rechargeable battery pack NP-FV70 or NP-FV100(sold separately) or the AC adaptor.

- Do not remove the battery pack or AC adaptor during the update; otherwise, the camera may become inoperable due to the sudden power shutdown.

-Remove the memory card from the camera beforehand.

- Prevent your computer from sleeping beforehand, because it takes approximately 15 minutes to perform the system software update. For details on how to do this, consult the manufacturer.

1. Download the update file

Click on the files below to begin download.
Please save the downloaded file onto the Desktop of your computer (recommended).

PXW-X70

Update_PXWX70V200.dmg   File size: 78.7 MB(82,524,823 byte)

1. Double-click the downloaded file

   PXW-X70   : [Update_PXWX70V200.dmg]

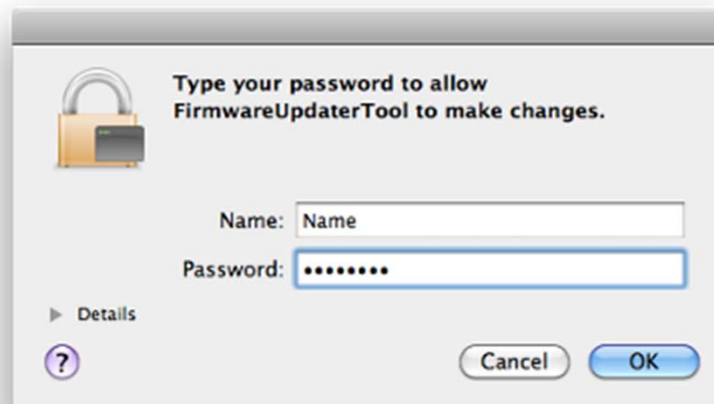   Do not connect the camera yet at this point.

2. Double-click the icon which appears on the Desktop.

   PXW-X70   : [Update_PXWX70V200.dmg]

   Double-click the [Firmware Updater] icon.

3. To load a kernel extension, the message prompts you to allow the application to make changes. Type the password for the administrative account. (Figure 1)
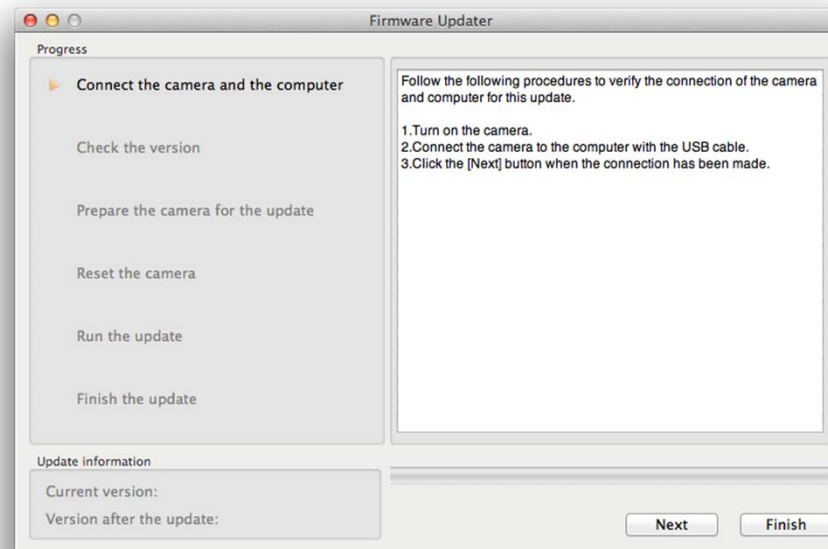
Figure 1

5. Firmware Updater starts up. (Figure 2)

Figure 2

Remove the memory card from the camera beforehand.

1. Connect the camera to the computer with the supplied USB cable.

> Note: When the camera is connected to the computer, the LCD screen of the camera turns off. Please proceed to the next step.

※If the LCD screen of the camera dose not turn off, please try the following methods.
- Disconnect the USB cable and connect it again.
- If the computer has multiple USB terminals, try with the other terminals.

2. Click [Next] on Firmware Updater. Figure 4 appears on Firmware Updater, and Figure 5 appears on the LCD screen of the camera.

> Note: From now on, do not turn off the camera until the system software update is completed.
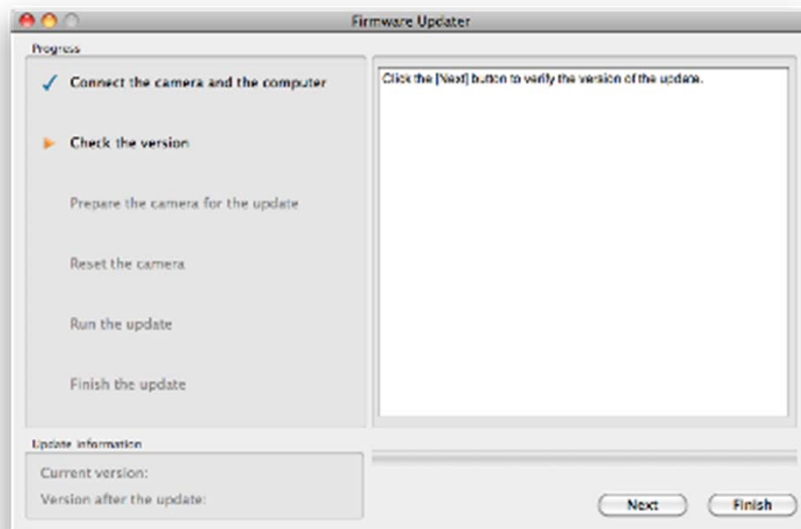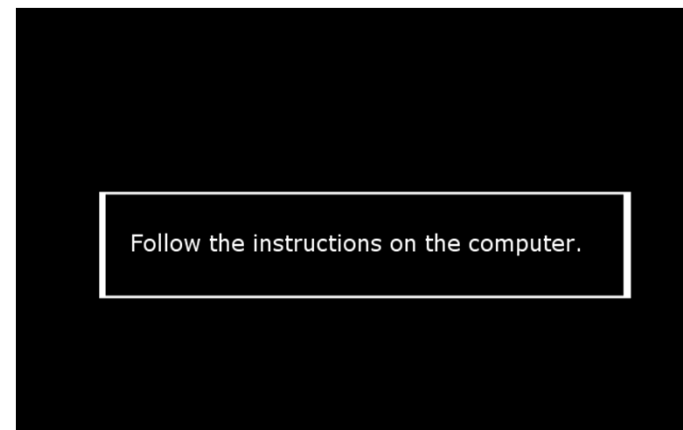
Figure 4: Firmware Updater
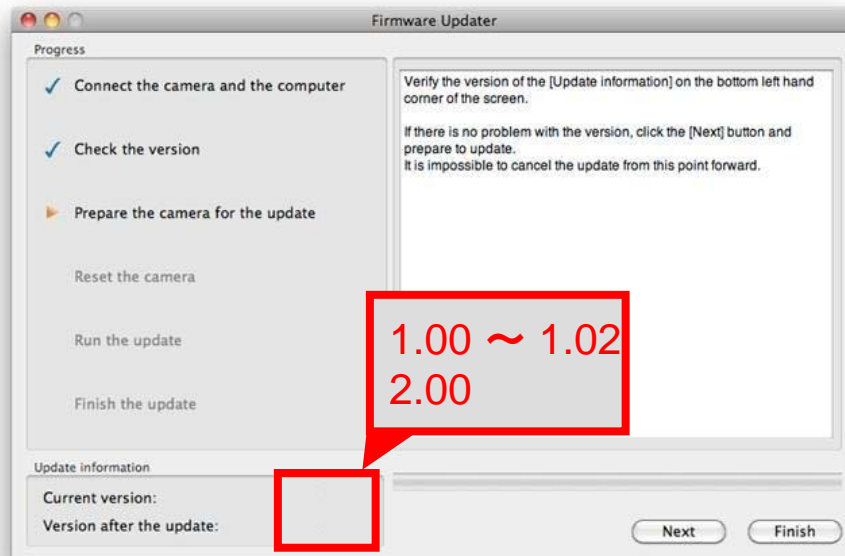
Figure 5: Camera's LCD screen

Firmware Updater

Progress
✓ Connect the camera and the computer
▶ Check the version
   Prepare the camera for the update
   Reset the camera
   Run the update
   Finish the update

Click the [Next] button to verify the version of the update.

Update information
Current version:
Version after the update:

Next   Finish

Follow the instructions on the computer.
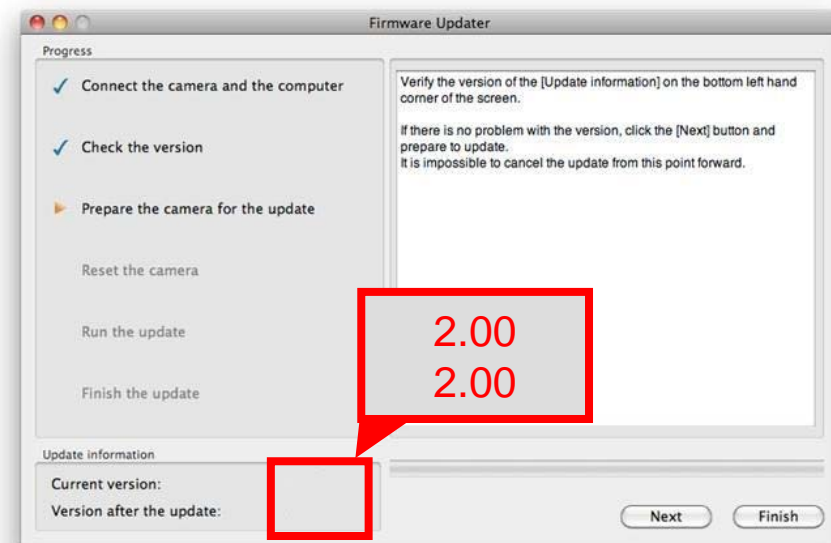
4. Check if the update is required

1. After confirming the screens on Figures 4 and 5, click [Next]. The current version and the version after the update appear on the lower left part of the screen. (Figure 6)
2. After confirming the screen on Figure 6, click [Next].
   [Current version] is [Ver.1.02] or earlier.

> Note: If the screen on Figure 7 appears, the update is not required. According to the message, stop the USB connection and click [Finish].
> Turn off the camera, remove the battery pack or the AC adaptor, and then turn on the camera again.

MAC Figure 6: Update is required

MAC Figure 7: Update is not required

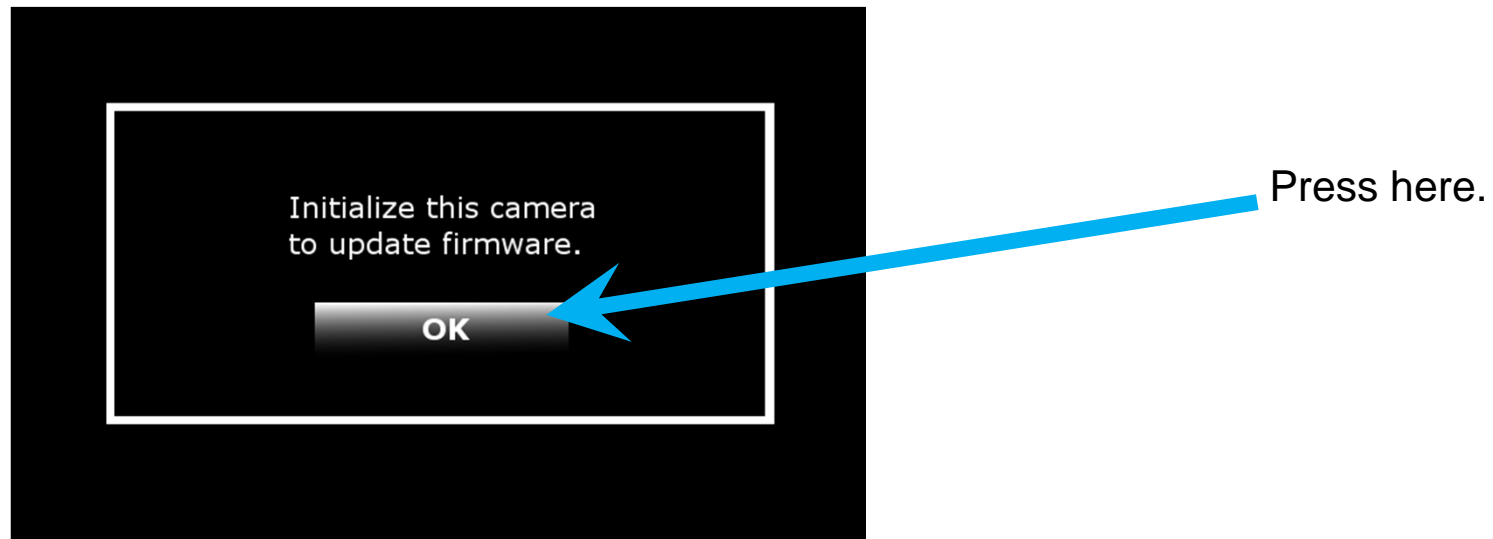## 5. Reset the camera

1. The screen below appears.

MAC Figure 8

2. Press [OK] on the panel.

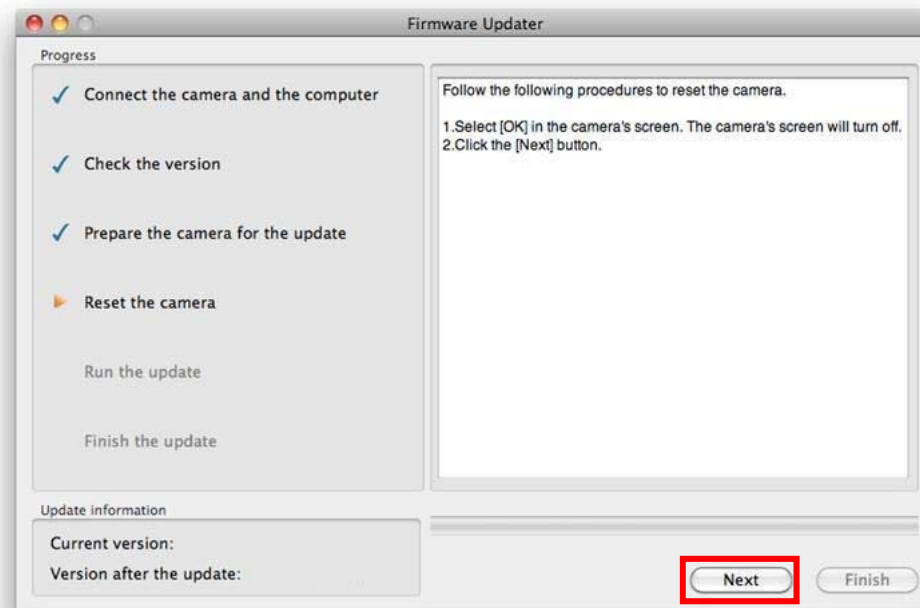Note: The screen turns off when the center of the control wheel is pressed. Please proceed to the next step.

Figure 9

Initialize this camera
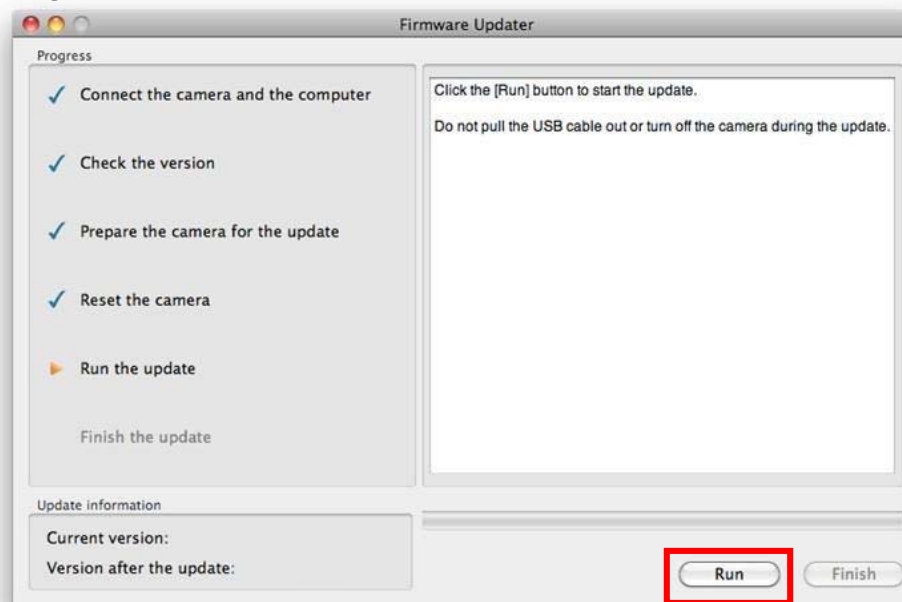to update firmware.

OK

Press here.

3. Click [Next] on Firmware Updater.

Figure 10

1. After resetting, reconnection of the camera is verified, and the screen on Figure 11 appears.
2. Click [Run] to start the update.
   The progress bar appears while updating (approximately 5 minutes).
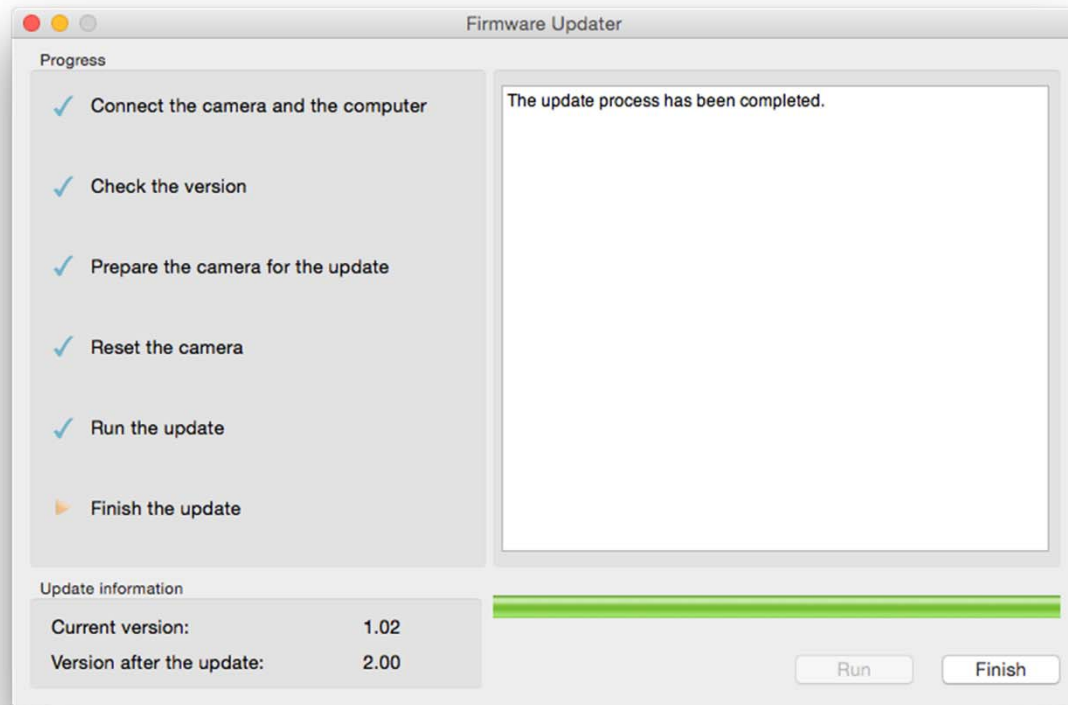
Figure 11

Note: Do not turn off the camera or disconnect the USB cable while updating.

7. Complete the update

1. When the update is completed, "Finish the update" screen appears.
   Click [Finish].

2. Disconnect the USB cable.

> Note: After finished the update, turn off the camera, and then turn on the camera again.

Follow the instruction below to confirm the system software version is Ver.2.00.

Select [Menu] → [OTHERS] → [VERSION DISPLAY] on the camera.
The system software version is displayed (Figure 13).

Figure 13