

Downloads : Firmware Update

Thank you for using a PENTAX K-1 digital camera.

RICOH IMAGING COMPANY, LTD. wishes to announce the release of Firmware Update Software Version **1.52** for PENTAX K-1.

Firmware in this document is the software that runs inside digital cameras.

Changes to V1.52

- Optimized performance when attaching new lens HD PENTAX-DFA70-210mmF4ED SDM WR SR.
- Improved stability for general performance

*When this update is done, the contents of version 1.51 and earlier will be also updated.

Changes to V1.51

- Optimized performance when attaching new lens HD PENTAX-DA*11-18mmF2.8ED DC AW.

*When this update is done, the contents of version 1.50 and earlier will be also updated.

Changes to V1.50

- Optimized performance when attaching new lens HD PENTAX-D FA*50mmF1.4 SDM AW.
- Improved stability for general performance.

*When this update is done, the contents of version 1.43 and earlier will be also updated.

Changes to V1.43

- Corrected – Unstable performance may rarely occur in Movie mode or Live View status of still picture in firmware version 1.42.

Changes to V1.42

- Corrected – Unstable performance may rarely occur in firmware version 1.41.

Changes to V1.41

[Enhanced features]

- Correspond to Image Transmitter 2 version 2.3.0
[Function enhancement/Additional item when using Image Transmitter 2 version 2.3.0]
 - Drive mode change function.
 - White balance change function.
 - Custom image change function.
 - Image recording format change function.
 - JPEG recording size change function
 - Recording image quality change function.
 - Card slot setting function.
 - Live view magnification change function.
 - Focus fine adjustment function for live view.
 - Focus assists setting function.
 - Start and stop / file transfer for movie shooting. (Live view is incompatible)
- Improved stability for general performance.
*When this update is done, the contents of version 1.40 and earlier will be also updated.

Changes to V1.40

[Enhanced features]

- Red-lighted LCD monitor display function
The PENTAX K-1 provides a red-lighted LCD monitor display function, which prevents the pupils of the photographer's eyes from closing down after they have become accustomed to a dark environment during astrophotography.
- Bulb timer function
The bulb timer function comes in handy when photographing celestial bodies or fireworks. The PENTAX K-1 allows the photographer to expend an exposure time up to 20 minutes in Bulb mode.

*For more details [click here](#)

[Others]

- During slow shutter speeds the PENTAX K-1 features white dot noise reduction processing. ^(*)
- Overall Improved stability for general performance.

*1: When Slow Shutter Speed NR is OFF and JPEG image.

Changes to V1.30

[Enhanced features]

- The Electronic Shutter can be selected at the Menu to reduce camera shake from the mechanical shutter when shooting with Live View mode.
- Added and selectable [Square format (1:1)] size at the Crop mode.
- Addition to the current [3 frames bracketing (OFF, TYPE1, TYPE2)], the [2 frames bracketing (OFF, TYPE2)] is added and selectable for the [AA Filter Simulator bracketing]
- At the [BKT] setting, the bracketing range [± 0 (=single frame)] can be selected.

*For more details [click here](#)

[Others]

- Improved stability for general performance.

Changes to V1.20

- Corresponded to [KAF4 lens mount] that is equipped with an electromagnetic diaphragm control system.
Enable new lens HD PENTAX-DA 55-300mmF4.5-6.3ED PLM WR RE to shoot stable by updating firmware.
- Improved stability for general performance.

Changes to V1.10

- Corresponded to IMAGE Transmitter 2 (Version2.2.0)

- Correspond to PENTAX Tethered Capture Plug-in for Adobe® Photoshop® Lightroom®(Simple Version)
(Version1.1.0)
- Improved stability for general performance.

Caution

- Only PENTAX K-1 users are permitted to download the firmware update.

PENTAX Firmware Update Software for PENTAX K-1

| | |
|------------------------------|---|
| Name | PENTAX Firmware Update Software for PENTAX K-1 |
| Registered name | k1_v152.zip (zip type x,xxx Kbytes) |
| Applied product | PENTAX K1 To check the version number, press the menu button and select [Firmware Info/Options] in the [Set-up 4] menu then press the four-way controller right. |
| Updated firmware file | For Mac and windows : zip type |
| Release date | 2020/02/06 |
| Copy right | RICOH IMAGING COMPANY, LTD. |

How to check version

[1] Turn ON the camera.

[2] Press MENU button to display MENU screen.

[3] Press the four-way controller right to display [Set-up 4] menu screen.

[4] Select [Firmware Info/Options] in the [Set-up 4] menu then press the four-way controller right.

The firmware version for camera is displayed on the [Firmware Info/Options] screen.

Preparation of update

- Blank, formatted SD/SDHC card (32MB or more)

- USB cable 2.0)

If you are copying the firmware update file to the SD card by connecting the camera directly to your computer.

- SD card reader or a computer with a SD card slot.

If you are copying the firmware update file to the SD card using a memory card reader / writer.

- Fully charged battery (D-LI90)

*Be sure to use fully charged battery (D-LI90)

If the camera turns off during updating due to lack of battery power, the camera will become inoperable. If this

happens, a charge will be made for repairs even if within the warranty period.

Download the updated firmware file

- For Windows/Macintosh : k1_v152.zip x,xxxKbytes, zip type

Updating Procedure

1. Provide a formatted SD memory card for the update software.

The download file is self-extracting. The following file is extracted.

Fwdc228b.bin: This is the updated firmware.

Copy the above Firmware file [fwdc228b.bin] to the root directory in the SD card.

If your computer does not have a card slot, you can copy the firmware update file by inserting the SD card into your camera and then connecting the camera directly to your computer.

2. Insert the D-LI90 battery into the camera and confirm the battery is full by battery level indicator then turn the camera off.
3. Insert the update SD card (prepared in step 1) into the camera (slot 1) and close card cover.
4. Turn the camera power on while pressing the MENU button.

5. "Updates the camera firmware" appears in the LCD monitor.
Ver: 1.00/1.10/1.20/1.30/1.40 /1.41/1.42/1.43/1.50/1.51→1.52 will be displayed.
6. Press the four-way controller to select "Start" and press the "OK" button.
7. "NOW LOADING" appears on the LCD monitor and updating starts.
Please do not under any circumstances switch off the power before the update is completed.
8. When update is completed, the "COMPLETE" will be displayed at the left bottom of the LCD monitor, then turn the camera off.
9. Remove the update SD card from the camera.
*Confirm the version of firmware with above [How to check version].

[Caution]

When updating is finished, the update SD card still contains the Firmware file.

If you want to use this card to take pictures, format the card by the camera to delete firmware file first.

1. This software may only be used by users who own the PENTAX K-1
2. This software is covered by a software license agreement. Please read the software license agreement before downloading the software.
3. You will have agreed with this software license agreement when the download starts.

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For Windows/Macintosh

