

RF / EF_{LENS}

Common to RF, EF, EF-S and EF-M Lenses

Firmware Update Procedure

In this document, X.X.X (where X is a number) indicates the firmware version.

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Firmware Update Cautions

- If the power is cut off during the firmware update, the camera may malfunction.
 - Please use a fully charged, dedicated battery pack, or a dedicated AC adapter kit to power the camera.
 - Please be absolutely sure not to turn the camera's power switch to OFF during the firmware update. If using a household power source, please be careful about power outages.
 - During the firmware update, please do not open the card slot cover.
- During the firmware update, please do not operate any of the camera's buttons, dials or switches.
- During the firmware update, never remove the lens from the camera.
- The firmware of EF/RF lenses cannot be updated using EOS Utility.
- For users who do not own cameras that can be used for the EF/RF lens firmware update, please contact a Canon service center.

Firmware Update Preparation

The following items are required to perform this firmware update. Please prepare these items in advance before performing the update.

EF/RF lens	The lens on which you want to perform the firmware update.
Digital SLR camera	Required for firmware updates of EF/EF-S lenses. EOS series models released in 2012 or later can be used*. (as of March 2017) *Excluding cameras below; - EOS Kiss X70 / REBEL T5 / 1200D / Hi - EOS Kiss X80 / REBEL T6 / 1300D - EOS 60Da
Mirrorless camera (EOS M series)	Required for firmware updates of EF-M lenses. All EOS M series mirrorless cameras can be used.
Mirrorless camera (EOS R series)	Required for firmware updates of RF lenses. All EOS R series mirrorless cameras can be used.
Power supply	The battery supplied with the camera, or a dedicated AC adapter kit (sold separately)
Card	Memory card supported by the camera. Please see the camera's instruction manual for details on which memory cards are supported by each camera model.
Card reader	Commercially available memory card reader (the PC's card slot can also be used).
Firmware update file	The downloaded firmware file (file extension: lfu, afu)

Updating the Lens Firmware

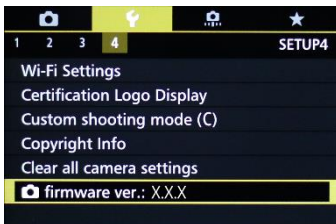
The camera operations and menu display format and structure differ depending on the camera model. Please refer to the camera's instruction manual.

Copy the firmware to the card

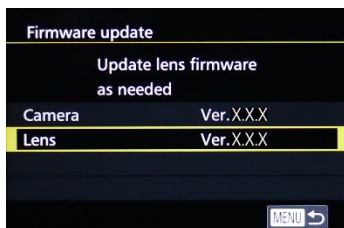
1. Initialize the card with the camera.
Please see the camera's instruction manual for information on how to initialize the card.
2. Insert the card into the card reader, and copy the downloaded firmware file (extension: lfu, afu) to card's root directory.

Update the firmware

1. Remove the card from the card reader, and insert into the camera.
2. Mount the lens to the camera.
3. Turn the camera's power on, and set to one of the shooting modes: P/Tv/Av/M
4. Press the <MENU> button to display the menu.
5. Select [**Firmware Ver.X.X.X**] from the <Set-up> tab on the menu, and press the <SET> button.



6. The firmware version of the camera and lens will be displayed, so select [**Lens**] and press the <SET> button.



7. The lens firmware update screen will be displayed, so select [**OK**] and press the <SET> button.



If this screen is not displayed, the firmware may not have been correctly copied to the card. Please start over from the "Copy the firmware to the card" step on this page.

Update the Lens Firmware



8. The firmware update file name will be displayed, so press the **<SET>** button.



9. Check the displayed screen, select **[OK]**, and press the **<SET>** button. Pressing the **<SET>** button will start the firmware update. During the update, the screen shown below on the left will be displayed. Please make absolutely sure that you do not turn off the camera's power switch or touch any buttons during the update, as doing so may cause a lens malfunction.

Note: During firmware updates of EF-M lenses, the progress bar will not be displayed.



In the unlikely event that an error occurs during the firmware update, please remove the battery and stop the update procedure. Check the remaining battery level and the firmware on the card, and if there are no problems, start over the procedure from the beginning. If the update procedure cannot be correctly completed, please contact a Canon service center.



10. Check the update completed screen, and press the **<SET>** button.

Note: During firmware updates of EF-M lenses, this screen will not be displayed, and the camera's power will turn off.

11. Turn the camera's power off, remove the battery and be sure to wait for at least two seconds before reinserting the battery and turning the camera's power on again.

Note: During firmware updates of EF-M lenses, the camera's power will already be off, so remove the battery, and be sure to wait for more than two seconds before reinserting the battery and turning the camera's power on again.

This completes the firmware update. Please initialize the card before use.