

# RICOH

## GXR DIGITAL CAMERA BODY

### GR LENS A12 50mm F2.5 MACRO

### GR LENS A12 28mm F2.5

### RICOH LENS S10 24 - 72mm F2.5 - 4.4VC

### RICOH LENS P10 28 - 300mm F3.5 - 5.6VC

### GXR MOUNT A12

### RICOH LENS A16 24 - 85mm F3.5 - 5.5

## Firmware Update Instruction Manual

This manual explains the procedures for downloading the firmware from the Ricoh website and updating the camera's firmware.

Firmware for both the GXR and a camera unit connected to it can be updated.

If you have more than one camera unit, run firmware update for each of the camera units.

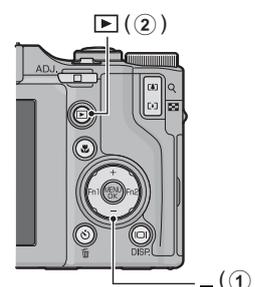
## 1. Check the current version of the firmware

### Caution

Before updating, be sure to check the firmware version through the following method. If the installed firmware is the latest version, there is no need to update.

1. Check that the camera is turned off and attach the camera unit to the camera body.
2. While pressing the [-] button (①), hold down the  (Playback) button (②) for over 1 second.

- The firmware version will be displayed on the picture display for about 20 seconds.



3. Check the firmware version displayed on the picture display.

- e.g. When the current version of the firmware is V1.00, the version will be shown as [MAIN : V 1.00] as follows:

```
----- BODY-----  
MAIN : V 1.00  
BKUP : V X.XX  
MONI : V X.XX  
ADJD : V X.XX  
EXTD : V X.XX  
CPU1 : V X.XX  
ST   : XXXXXX  
CV   : XXXXXX
```

```
----- CAMERA UNIT-----  
MAIN : V 1.00  
BKUP : V X.XX  
MONI : V X.XX  
ADJD : V X.XX  
EXTD : V X.XX  
CPU1 : V X.XX  
SH   : XXXXXX  
CV   : XXXXXX
```

## 2. Extract the firmware

---

1. Download the firmware from the Ricoh website.
2. Double-click or right-click and select [Open] on the downloaded file. If the extension name is “.exe” and the dialog screen appears, click [OK].

- The folder [GXR Update] is created, and the firmware is extracted to the folder [Firmware relX.XX (where X.XX is the version number)]. Check the following files are inside the folder [Firmware relX.XX].

```
ilaunch0 ilaunch3 ilaunch4 ilaunch8  
jlaunch0 jlaunch3 jlaunch4 jlaunch8  
klaunch0 klaunch3 klaunch4 klaunch8  
nlaunch0 nlaunch3 nlaunch4 nlaunch8  
qlaunch0 qlaunch3 qlaunch4 qlaunch8  
I08firm0 I08firm3 I08firm4 I08firm8  
I06firm0 I06firm3 I06firm4 I06firm5 I06firm8
```

- Copy all of the files created when the firmware was extracted (see above for the list of files) to the root directory on the SD memory card.

### 3. Copy the firmware to an SD memory card



#### Caution

Please prepare an SD card with a capacity of 64 MB or above.

There are two ways to copy the firmware into an SD memory card.

- With an SD memory card loaded in the camera, connect the camera and computer with the provided USB cable, and copy the firmware to the SD memory card
- Using a card reader or a card writer, copy the firmware to an SD memory card (a card reader or card writer is required)

#### To copy the firmware by connecting the camera and computer with the USB cable

- 1. If DC Software is installed on your Windows PC, check that DL-10 is not active.**
- 2. If DL-10 is active, right-click on the DL-10 icon in the task bar, and click [Exit].**
  - If the DL-10 icon is not displayed in the task bar, you do not need to perform Step 2.
- 3. Load a battery with adequate remaining power into the camera.**
- 4. Load the SD memory card into the camera, and turn the power on.**
- 5. Display the camera's Setup menu, select [Format [Card]], and press the Fn2 button.**
- 6. Select [Yes], and press the MENU/OK button.**
  - The SD memory card is formatted.



#### Caution

If you format a card that still has images stored on it, the images will be lost. Save the images you do not want to erase in your computer before formatting the card.

- 7. Turn the camera off, and connect the camera and computer with the provided USB cable.**
  - The camera turns on automatically. If the camera does not turn on automatically, press the POWER button and turn the power on.
  - If DC Software is installed in your Windows PC, DL-10 may automatically start up. In this case, exit DL-10.
  - Click [Cancel] if the [Removable Disk] dialog appears in Windows XP, Windows Vista or Windows 7.
  - If iPhoto starts up in Mac OS X, exit iPhoto.

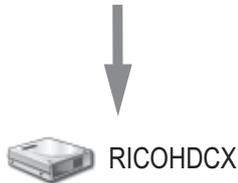
**8. Copy all the files created when the firmware was extracted (see P.2) to the SD memory card.**

**For windows; [RICOHDCX] root directory in [My computer]**

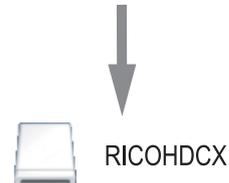
**For Macintosh; [RICOHDCX] root directory on the desktop.**

- The camera's drive name may differ depending on the OS you are running.  
e.g. [Removable Disk], etc.

**For Windows**



**For Macintosh**



**9. Confirm that the files have been copied.**

**10. For Windows**

**When the copying of the firmware is completed, double-click the [Safely Remove Hardware] icon in the task bar.**

**For Macintosh**

**Drag and drop the [RICOHDCX] icon to the [Trash] icon. Once the icon has disappeared, proceed to Step 14.**

**Caution**

If you skip the procedures in Step 10, the firmware copy may not be successful.

**11. Select [USB Mass Storage Device], and click [Stop].**

**12. Click [OK].**

**13. Click the [Close] button.**

**14. Confirm the camera is off, and disconnect the USB cable.**

## To copy the firmware using a card reader or a card writer to an SD memory card

1. Load the SD memory card into the camera, and turn the power on.
2. Display the camera's Setup menu, select [Format [Card]], and press the Fn2 button.
3. Select [Yes], and press the MENU/OK button.
  - The SD memory card is formatted.



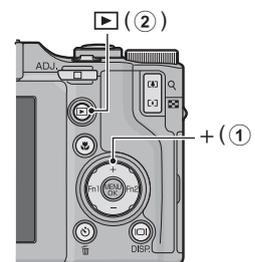
### Caution

If you format a card that still has images stored on it, the images will be lost. Save the images you do not want to erase in your computer before formatting the card.

4. Turn the camera off, and remove the SD memory card.
5. Copy all the files created when the firmware was extracted (see P.2) into the root directory of the SD memory card.
6. Load the camera with the SD memory card which the firmware was copied to.

## 4. Update the firmware

1. Make sure that the camera's power is turned off.
2. While pressing the [+] button (①), hold down the ▶ (Playback) button (②) for 2-3 seconds.
  - A confirmation message for the firmware update is displayed on the picture display.
3. Use the Fn2 button to select [Yes], and then press the MENU button.
  - The firmware update starts, and the following message is displayed on the picture display.  
[Transferring firmware]  
[Checking camera unit firmware]  
[Checking body firmware]  
[Updating camera unit firmware]  
[Updating body firmware]  
[Firmware update complete]  
The order that messages are displayed in may differ depending on the firmware version.
4. The camera automatically turns off and restarts.
  - After the camera is restarted, the firmware version screen will be displayed, and the update will be completed.





## Note

- If the message [Incorrect rewriting file] is displayed and the camera is automatically turned off, check the camera model again and retry the update using the correct firmware.
- The firmware files copied to the SD memory card are deleted when you format the SD memory card. Delete them if necessary.
- If you have more than one camera unit, perform step 4 for all camera unit.