GRKU

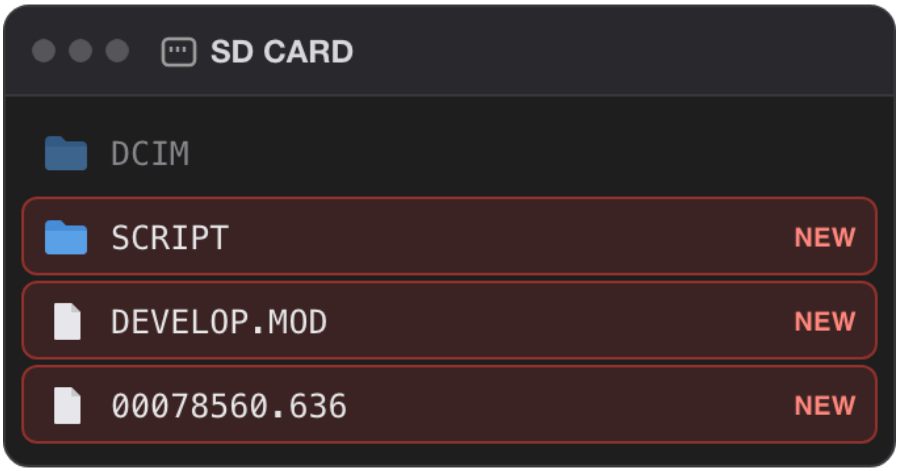
For RICOH GR IV and GR IV HDF firmware 1.11, 1.20, or 1.21 only.

GRKU is experimental and has no warranty. If GRKU fails, the camera can stop during startup. Read the recovery guide before you install. When you install GRKU, you accept the terms of use.

Install

In Chrome or Edge on a computer, grku.app can write GRKU to the card in a card reader. It replaces step 2.

1. Turn the camera off.
2. Copy the contents of `SD_ROOT`, not the folder itself, to the root of the SD card. The card root then has the `SCRIPT` folder.
3. Insert the card. Hold MENU while you turn the camera on. Wait until the camera turns itself off.
4. Turn the camera on normally.



Step 3 turns on the SD scripts of the camera: the camera shows Mode Set Command and Complete, then turns itself off. If the SD scripts are already on, skip step 3.





After the installation, you can remove `00078560.636` and `DEVELOP.MOD` from the card root.

Use

A few seconds after power-on, the shooting screen shows **GRKU** at the top: GRKU has loaded. The first start after an install or update takes longer. Photos taken before GRKU has loaded have no GRKU effects. In shooting mode, press the ADJ lever and select the sixth entry, GRKU.

- **Film Look:** highlight an effect to preview it in the live view, and press OK to keep it. Press Fn to adjust the effect. It does not change the Image Control settings of the camera. The effects are made for GR III, so their colors can differ on GR IV.
- **Framing:** XPan, 2.35:1, 16:9, and other ratios. It crops JPEG photos, and DNG files stay 3:2. Press Fn to use the frame for composition only, or to set a mask.
- **Guides:** lines on the screen only, not in the photo.
- **Date Imprint:** the date at the bottom right of photos. Press Fn to select the date style and the font.
- **Glow:** Bloom and Halation, on JPEG photos only, with no preview in the live view.
- **Light Leak:** a vignette, dust, a light leak, and scratches, on JPEG photos only, with no preview in the live view. Press Fn to set the strength of each one.
- **Diffusion:** the glow of a Black Pro-Mist diffusion filter, on JPEG photos only, with no preview in the live view. Press Fn to add Black Mist, a veil over the shadows, or Streak, the horizontal flare of an anamorphic lens.
- **Grain:** film grain on photos. Press Fn to select the grain size.
- **Border:** a white or black edge over the photo, 3% or 6% of its width, on JPEG photos only.

All the settings are also in the **GRKU** section at the end of the Customize tab (C) of MENU. Each module has a row. Turn the module on or off there, check the effects, ratios, or styles that ADJ shows in **Options**, and set the order in **ADJ Order**. GRKU keeps your settings after power-off.

Update

In Chrome or Edge on a computer, grku.app can update the card in a card reader. It replaces steps 2 and 3.

1. Turn the camera off.
2. Delete the `SCRIPT` folder from the card.
3. Copy the `SCRIPT` folder of `SD_ROOT` of the new package to the root of the SD card.
4. Turn the camera on normally. You do not need to hold MENU.

GRKU keeps your settings and effects in the GRKU folder, so the update keeps them.

Troubleshooting

The camera starts a firmware update when you hold MENU
The card root has a firmware file. Turn the camera off, remove each .bin file from the card root, then do step 3 of the installation again.

The camera does not show Mode Set Command

- Hold MENU, then turn the camera on.
- Copy the contents of SD_ROOT to the card root, not into DCIM or another folder.

GRKU does not show in ADJ

1. Wait a few seconds after power-on, until the shooting screen shows **GRKU** at the top.
2. Make sure that the card root has the SCRIPT folder.
3. If the card has SCRIPT/GRKU/INSTALL.ERR, open the camera menu and make sure that the camera shows a supported firmware version. If it does, send a device report with INSTALL.ERR, GRKU/REPORT.TXT, and GRKU/BOOT.TXT if the card has it.
4. GRKU runs only on the official Ricoh firmware.

GRKU stops working after you format the card
A format deletes GRKU and its settings. Before you format the card, copy the GRKU folder to a computer. After the format, copy the contents of SD_ROOT again, then copy the GRKU folder back to the card root.

Remove GRKU

In Chrome or Edge on a computer, grku.app can remove GRKU from the card in a card reader, and can also turn SD scripts off.

Turn the camera off, then delete the SCRIPT and GRKU folders from the card.

The SD script setting stays on. To turn it off:

1. On https://grku.app, download the files that turn SD scripts off for your camera.
2. Copy the contents of SD_ROOT to the root of the SD card.

3. Insert the card. Hold MENU while you turn the camera on. Wait until the camera turns itself off.
4. Remove `00078560.636` and `DEVELOP.MOD` from the card root.

If the camera stops during startup, see the recovery guide.

GRKU is not affiliated with Ricoh.

Photo in the camera screens: Mobnoboka, CC BY-SA 4.0.

Recovery

GRKU changes the camera only until the camera turns off. It does not write the firmware.

The camera stops during startup

1. Try to turn the camera off.
2. If the camera does not respond, remove the battery.
3. Remove the SD card.
4. Insert a charged battery. Turn the camera on without the card.

Do not push or pull the lens barrel. Do not remove the power during an official firmware update.

The camera still does not start

1. Without the card, hold the playback button to start the camera in playback mode.
2. If the menu opens, reset the camera settings. The reset deletes your personal settings.
3. Turn the camera on again without the card.

If the camera still does not start, stop using GRKU and contact camera service.