GRKit

For RICOH GR IIIx and GR IIIx HDF firmware 1.60 or 1.70 only.

Install

1. Turn the camera off.
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. Turn the camera on normally.

Step 3 turns on the camera's SD scripts. The camera shows Mode Set Command, then Complete, and then turns itself off.

If the SD scripts are already on, skip step 3. After the installation, you can remove `00078490.609` and `DEVELOP.MOD` from the card root. This step is optional.

Update

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.

GRKit keeps your settings, your effects, and the modules that you added in the `GRKIT` folder, so the update keeps them.

Deleting `SCRIPT` also deletes the settings and the effects of GRKit 1.2. To keep them, update on grkit.app in Chrome or Edge on a computer, with the card in a card reader.

Use

Open ADJ and select the sixth entry, GRK. GRKit loads a few seconds after power-on, so the entry can appear late. When GRKit has loaded, the shooting screen shows **GRKit** at the top for a few seconds. This label needs the Framing or Guides module.

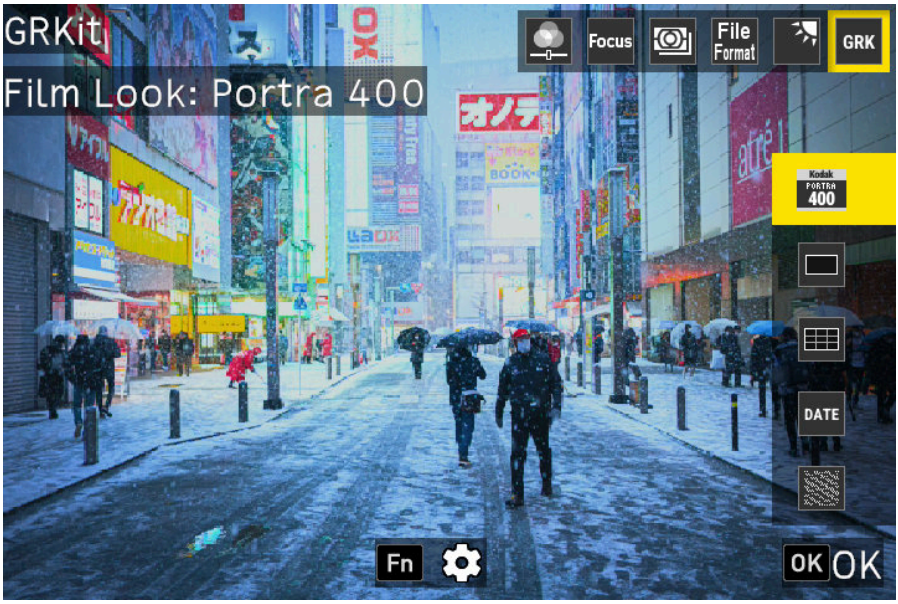

Photo: Snow in Akihabara by nagi usano, CC BY 2.0.

- **Film Look:** highlight an effect to preview it. Press OK to keep it. Press Fn to adjust the Standard parameters of the effect. On the GRK menu, press Fn on the Film Look row to adjust the selected effect. Each effect keeps its own adjustments, and they do not change the camera's Image Control settings.
- **Framing:** select XPan, 2.35:1, 16:9, 4:3, 5:4, 7:6, or 1:1. Each ratio sets the native aspect ratio to 3:2, and the viewfinder dims the area outside the photo. Another aspect ratio in the camera menu pauses Framing. DNG files keep the full sensor

image and record the crop. A raw converter that applies the recorded crop shows only the photo area.

- **Guides:** select a guide style. Press Fn to set the color, the opacity, and whether the lines also show while DISP hides the shooting information. The lines show only in the viewfinder.
- **Date Imprint:** select a date style. Press Fn to set **Date Style** and **Date Font**, the digits: Classic, GR1s, or GR II. Photos get the date at the bottom right. While it is on, the viewfinder shows DATE with the full shooting information.
- **Grain:** select Weak, Medium, Strong, or Extra Strong. Press Fn to set **Size**: Auto (by ISO), Small, Medium, or Large. Only photos get the grain.

Press MENU to go back one level. GRKit keeps your settings after power-off.

All the settings of GRKit are also in the **GRKit** section at the end of the Customize tab (C) of MENU:

- Each module has a row. Its first setting, **Enable**, turns the module on or off at once. A module that is off leaves ADJ, while the Off value of a module, such as Off in Framing, keeps it in ADJ. Its other settings follow. Film Look has **Film Stock**, which selects the effect, and the **Parameters** of the selected effect.
- Film Look, Framing, Guides, and Date Imprint have an **Options** row after **Enable**. It lists the effects, ratios, guide styles, or date styles. Each value has a checkbox. Press OK on one to check or clear it. ADJ shows only the values that are on.
- **ADJ Order** sets the order of the modules in GRK. Select a module, then its new position. The new order applies at once.
- **About GRKit** shows the GRKit version and the project address.

`GRKIT/REPORT.TXT` gives the GRKit version.

GRKit keeps the effects in the `GRKIT/EFFECTS` folder. A new package adds its effects there and replaces their earlier versions. It does not remove other effects. To add an effect, copy its file into `GRKIT/EFFECTS`. To add an effect of another package, copy its file from `SD_ROOT/SCRIPT/GRKIT/EFFECTS` of that package into `GRKIT/EFFECTS`. Do not copy an effect into `SCRIPT/GRKIT/EFFECTS`: GRKit reads that folder only at the first power-on after an installation or an update. To remove one, turn the camera off and delete its file. A later package adds it again only when its file in the package changes. To add a module, copy its file into `GRKIT/MODULES`. **Options** of Film Look in the GRKit section of MENU lists each effect file and turns it on or off in Film Look at once. GRKit installs at most 20 effects, first those that are on. If you turn on an effect that did not install, it shows at the next power-on. `GRKIT/`

REPORT.TXT lists the modules and the effects of the last power-on, and the reason when a module did not load.

Troubleshooting

The camera starts a firmware update when you hold MENU

The card root has a firmware update file. Turn the camera off. Remove each .bin file from the card root. Then do step 3 again.

The camera does not show Mode Set Command

- Hold MENU, then turn the camera on. If you press MENU after the camera is on, the SD scripts stay off.
- Copy the contents of SD_ROOT to the card root, not into DCIM or another folder.

GRK does not show in ADJ

1. Wait a few seconds after power-on. GRKit loads after the camera starts. When it has loaded, the shooting screen shows **GRKit** at the top for a few seconds.
2. Look for GRK in ADJ. The GRKit settings are also in the GRKit section of the Customize tab of MENU.
3. If the camera did not show Mode Set Command in step 3, do step 3 again.
4. Make sure that the card root has the SCRIPT folder. Copy all the contents of SD_ROOT, including SCRIPT.
5. If the card has SCRIPT/GRKIT/INSTALL.ERR, GRKit did not install. Make sure that the package is for the firmware version of your camera. To see the firmware version, open the camera menu. If the version is correct, send a device report with all the lines of INSTALL.ERR, GRKIT/REPORT.TXT, and GRKIT/BOOT.TXT.
6. GRKit runs only on the official Ricoh firmware. It does not run on modified firmware.

GRKit stops working after you format the card

A format of the card, in the camera or on a computer, deletes the SCRIPT and GRKIT folders. This removes GRKit, your GRKit settings, and your effects.

1. Before you format the card, copy the GRKIT folder to a computer.
2. After the format, copy the contents of SD_ROOT to the card root again.
3. Copy your GRKIT folder back to the card root.

GRKit starts in safe mode

In safe mode, GRKit loads no module, and `GRKIT/REPORT.TXT` says why. Safe mode starts when the `GRKIT` folder has a file named `SAFE` or `SAFE.TXT`. To load the modules again, delete the file.

If the camera stops after you added a module, set **Enable** of that module to Off in the GRKit section of the Customize tab of MENU. If the camera stops before you can open MENU, remove the card. On a computer, delete the module from `GRKIT/MODULES`, or put an empty file named `SAFE` or `SAFE.TXT` in the `GRKIT` folder.

Remove or recover

To remove GRKit, turn the camera off. Then delete the `SCRIPT` and `GRKIT` folders from the card. `GRKIT` holds your GRKit settings.

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

1. On https://grkit.app, download the files that turn SD scripts off for your camera. The button is below the installation steps.
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 `00078490.609` and `DEVELOP.MOD` from the card root.

If the camera stops during startup, remove the battery and the card. Then start the camera without the card. If it still does not start, see the recovery guide.

GRKit is not affiliated with Ricoh. Source code and licenses: https://github.com/ahonn/grkit

Recovery

GRKit 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 GRKit and contact camera service.