GINKOLAB Installation Guide

RICOH GR III / GR III HDF · 2.10 / 2.20 / 2.21

GINKOLAB is experimental and has no warranty. If GINKOLAB fails, the camera can stop during startup. Read the recovery guide (https://github.com/ahonn/grkit/blob/main/resources/RECOVERY.md) before you install. When you install GINKOLAB, you accept the terms of use (https://github.com/ahonn/grkit/blob/main/resources/TERMS.md).

Install

In Chrome or Edge on a computer, ginko-lab.pages.dev (https://ginko-lab.pages.dev/) can write GINKOLAB 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 00078350.588 and DEVELOP.MOD from the card root.

Use

A few seconds after power-on, the shooting screen shows GINKOLAB (GRKit on some packages) at the top: GINKOLAB has loaded. The first start after an install or update takes longer. Photos taken before GINKOLAB has loaded have no GINKOLAB effects. In shooting mode, press the ADJ lever and select the GINKOLAB entry (shown as GRK in some packages).

Photo: MIKI Yoshihito (https://www.flickr.com/photos/mujitra/53311001084/), CC BY 2.0 (https://creativecommons.org/licenses/by/2.0/).

- 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.

- 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.

- Grain: film grain on photos. Press Fn to select the grain size.

All the settings are also in the GINKOLAB (GRKit on some packages) 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. GINKOLAB keeps your settings after power-off.

Update

In Chrome or Edge on a computer, ginko-lab.pages.dev (https://ginko-lab.pages.dev/) 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.

GINKOLAB keeps your settings and effects in the GRKIT folder, so the update keeps them. To update from GRKit 1.2, use ginko-lab.pages.dev, which keeps the settings and effects.

Fast start (optional)

On the official firmware, GINKOLAB waits until the camera has read the card, about 8 to 10 seconds after power-on. With the fast-boot firmware, GINKOLAB loads one to two seconds after power-on. The same package works on both firmwares. Without the fast-boot firmware, GINKOLAB has every feature.

Make the fast-boot firmware on the Fast start page (https://ginko-lab.pages.dev/fastboot/) of ginko-lab.pages.dev. Select the official firmware that you downloaded from Ricoh, and the page makes the fast-boot firmware. Install it as you install an official update. The installation updates the camera firmware. If the update stops, the camera may not start. To go back, install the official firmware of the same version.

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.

GRK does not show in ADJ

1. Wait a few seconds after power-on, until the shooting screen shows GINKOLAB (GRKit on some packages) at the top.

2. Make sure that the card root has the SCRIPT folder.

3. If the card has SCRIPT/GRKIT/INSTALL.ERR, open the camera menu and make sure that the package is for the firmware version of your camera. If it is, send a device report (https://github.com/ahonn/grkit/issues/new?template=device-report.yml) with INSTALL.ERR, GRKIT/REPORT.TXT, and GRKIT/BOOT.TXT if the card has it.

4. GINKOLAB runs only on the official Ricoh firmware and on the fast-boot firmware of ginko-lab.pages.dev.

GINKOLAB stops working after you format the card

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

Remove GINKOLAB

In Chrome or Edge on a computer, ginko-lab.pages.dev (https://ginko-lab.pages.dev/) can remove GINKOLAB from the card in a card reader, and can also turn SD scripts off.

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

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

1. On https://ginko-lab.pages.dev, 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 00078350.588 and DEVELOP.MOD from the card root.

If the camera stops during startup, see the recovery guide (https://github.com/ahonn/grkit/blob/main/resources/RECOVERY.md).

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

Recovery

GINKOLAB 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 GINKOLAB and contact camera service.

Upstream project and license: GRKit · https://github.com/ahonn/grkit