

GoFly Project V5 Basic - FAQ

Document rev: 9 FEB 2016

This short document contains information about installation, upgrading, folders structure, basic troubleshooting and folders content. This document will be updated quite often.

1. What to do after You get Your V5 Project

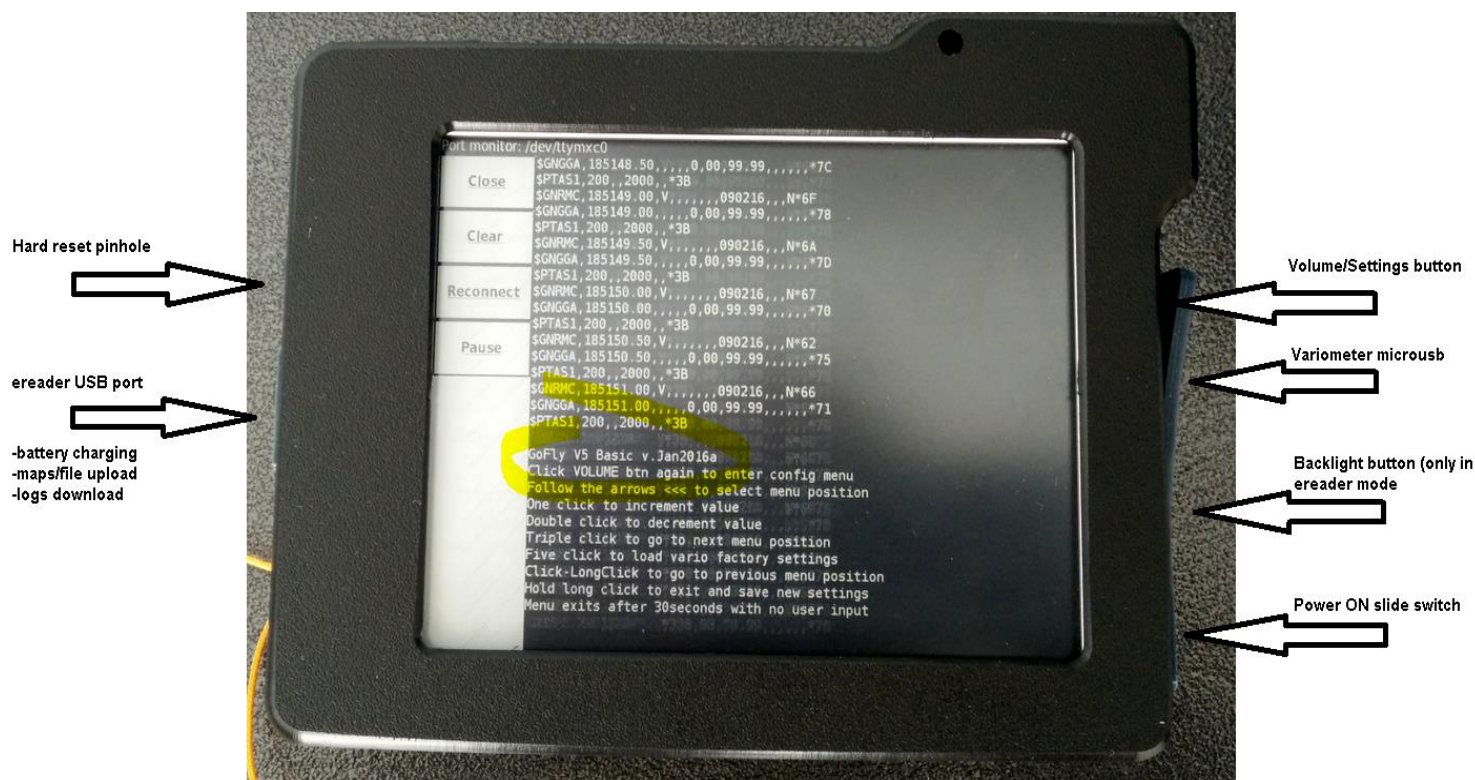
- Download Your local maps, airspace files (where to copy them is described in next chapters of this doc)
- Check out user manuals for XCsoar or LK8000 or TopHat
- Enter app settings and setup:
 - o Pilot name
 - o Glider polar
 - o Timezone
 - o Customize Your display, available infoboxes, pages (cruise/thermalling/final glide)

2. How to check what variometer firmware do I have

Under XCsoar/TopHat go to Devices settings page and enter MONITOR page

Under LK8000 go to Setup, Devices and enter TERMINAL page

If you hold variometer Volume button, Vario will enter settings menu, and provide information about current firmware.



3. What to do if device is not responding

If device freezes (sometimes happens under XCsoar FLY-SIM main screen), hold the power ON slide button for more than 10 seconds. Ereader will shut down. Wait few seconds and turn device back ON.

Keep in mind that ereader runs small linux operating system and needs time to shut down or to detect power ON button. Power button is not instant, it needs a second to trigger power on stage.

In extreme situations, there is reset pinhole (next to ereader USB port) to make hardware reset.

Worst case scenario if ereader doesn't want to boot up or there is problem with not working ereader, it might be necessary to deploy internat SDcard with new operating system. Ereader keeps its files on SDcard which is hidden internally on main board. Please contact me to assist if this is needed.

4. How to change variometer settings

If You enter Monitor or Terminal page (depends on app), variometer is constantly streaming GPS NMEA and barometric data. If We hold volume button for a second, we will enter variometer configuration page.

Terminal/Monitor page is used in this case as small interface to communicate with user and present current settings. The same Volume button is used to move up and down the menu, to increment or decrement current setting.

Click VOLUME btn again to enter config menu

Follow the arrows <<< to see selected menu position

One click to increment value

Double click to decrement value

Triple click to go to next menu position

Five click to load vario factory settings

Click-LongClick to go to previous menu position

Hold long click to exit and save new settings

Menu exits after 30seconds with no user input



5. External Device configuration

Name/driver: Generic

Port: Ttymxc0

Baud rate: 19200

Device configuration

Device A

Name: Generic

Port: /dev/ttymxc0

Ext. Sound: ON

Baudrate: 19200 8bit

Device B

Name: DISABLED

Geoid Altitude: ON

Serial mode: Normal

NMEA Checksum: Enabled

Device model: Generic

Close

LK8000

Edit device

Port: ttymxc0

Baud rate: 19200

Driver: Generic

XCSoar

Photo of device configuration page for GoFlyProject V5

6. Vario firmware upgrade process

Looks for microusb port next to Volume/settings/firmwareupgrade trigger button



Vario microusb

Volume/settings/firmware trigger
button

Vario needs to enter storage mode to upgrade/replace firmware file. To get this done, vario needs to have existing usb connection, and during power ON process, trigger button has to be held.

Turn off V5 >

plug usb cable between vario microusb and PC/Mac >

hold "Volume" button" >

turn V5 ON

Vario will enter storage mode with tiny flash drive available under Your PC/Mac.

Delete existing firmware.bin file from variometer drive

Copy new firmware file into variometer drive

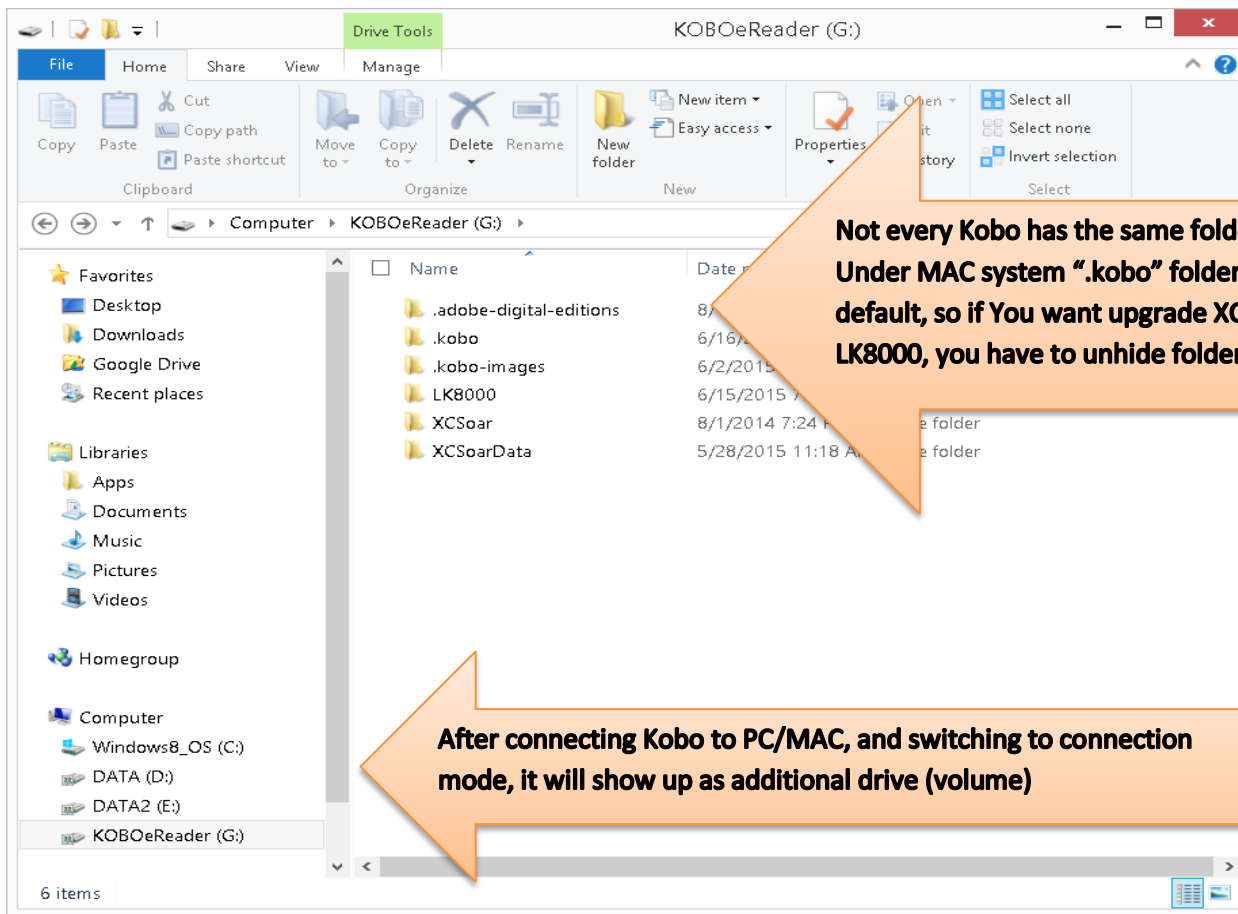
Unmount drive and disconnect usb cable

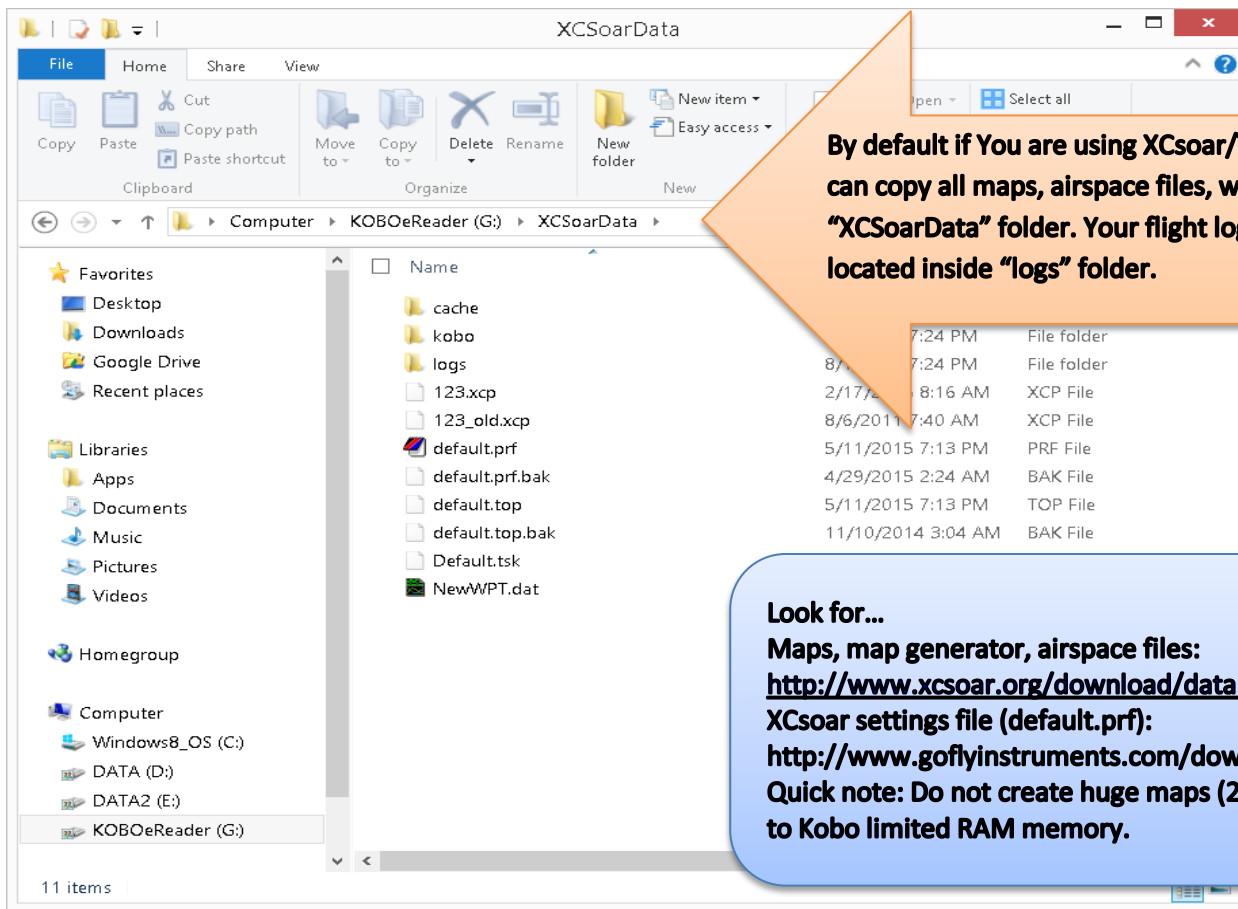
Turn OFF V5, wait few seconds and turn V5 ON.

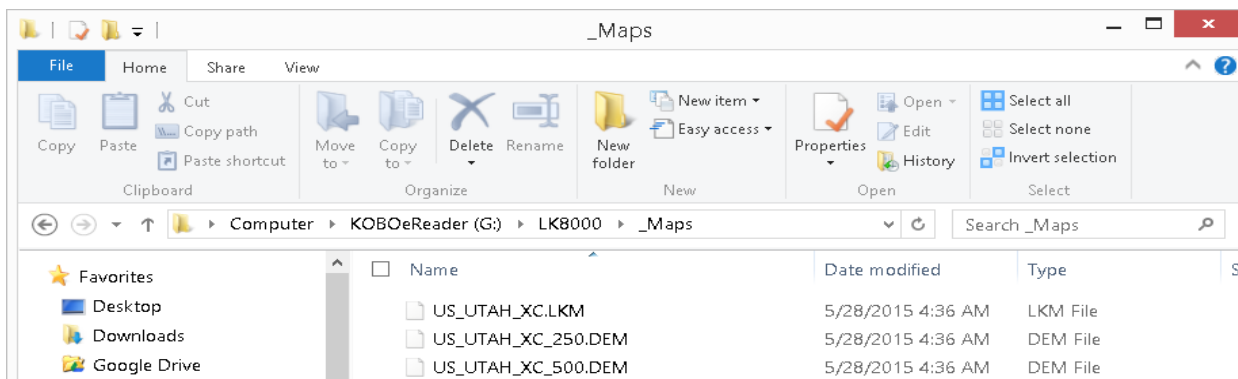
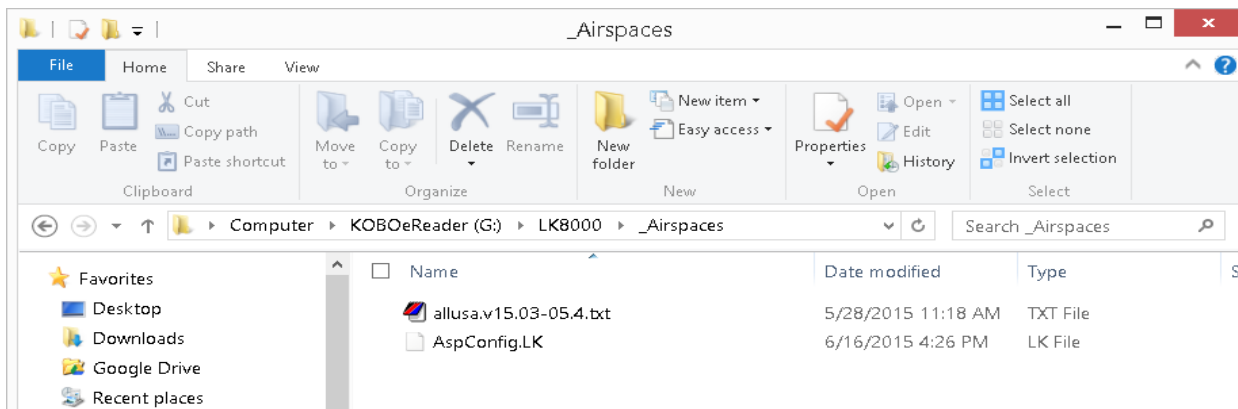
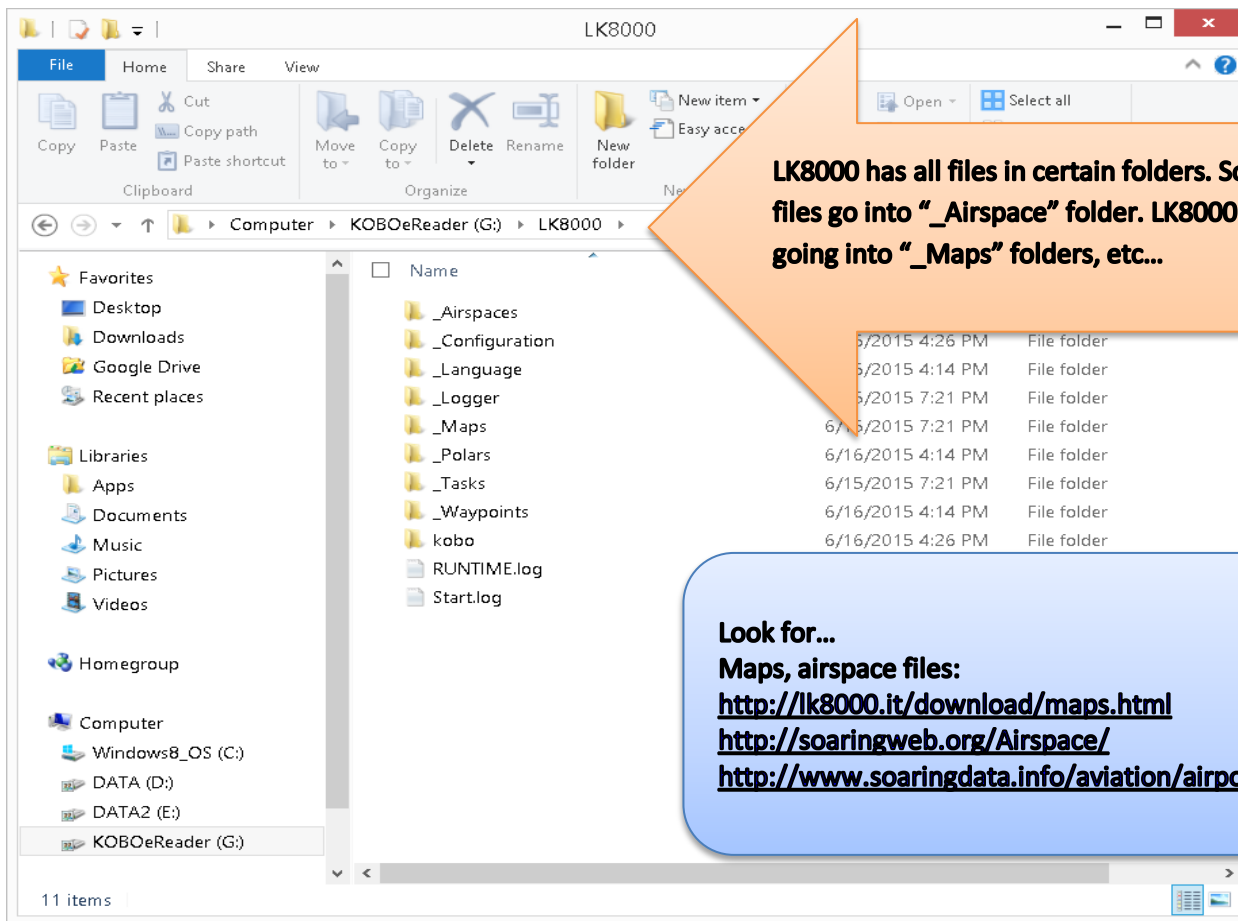
Vario will start now with new firmware.

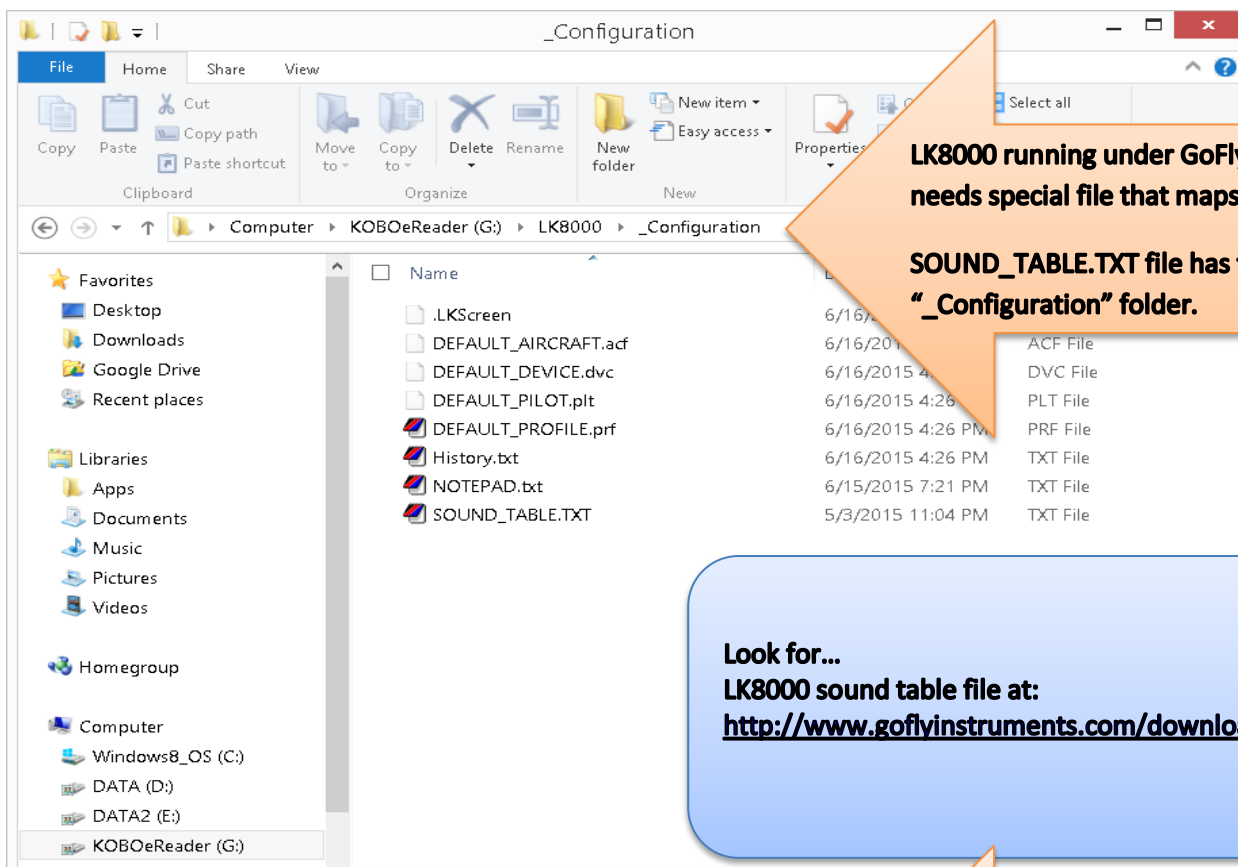
There is **no possibility** to damage, corrupt, or break something during firmware upgrade process, USB stack/bootloader is integral part of the variometer microcontroller.

7. Folders structure under kobo ebook reader





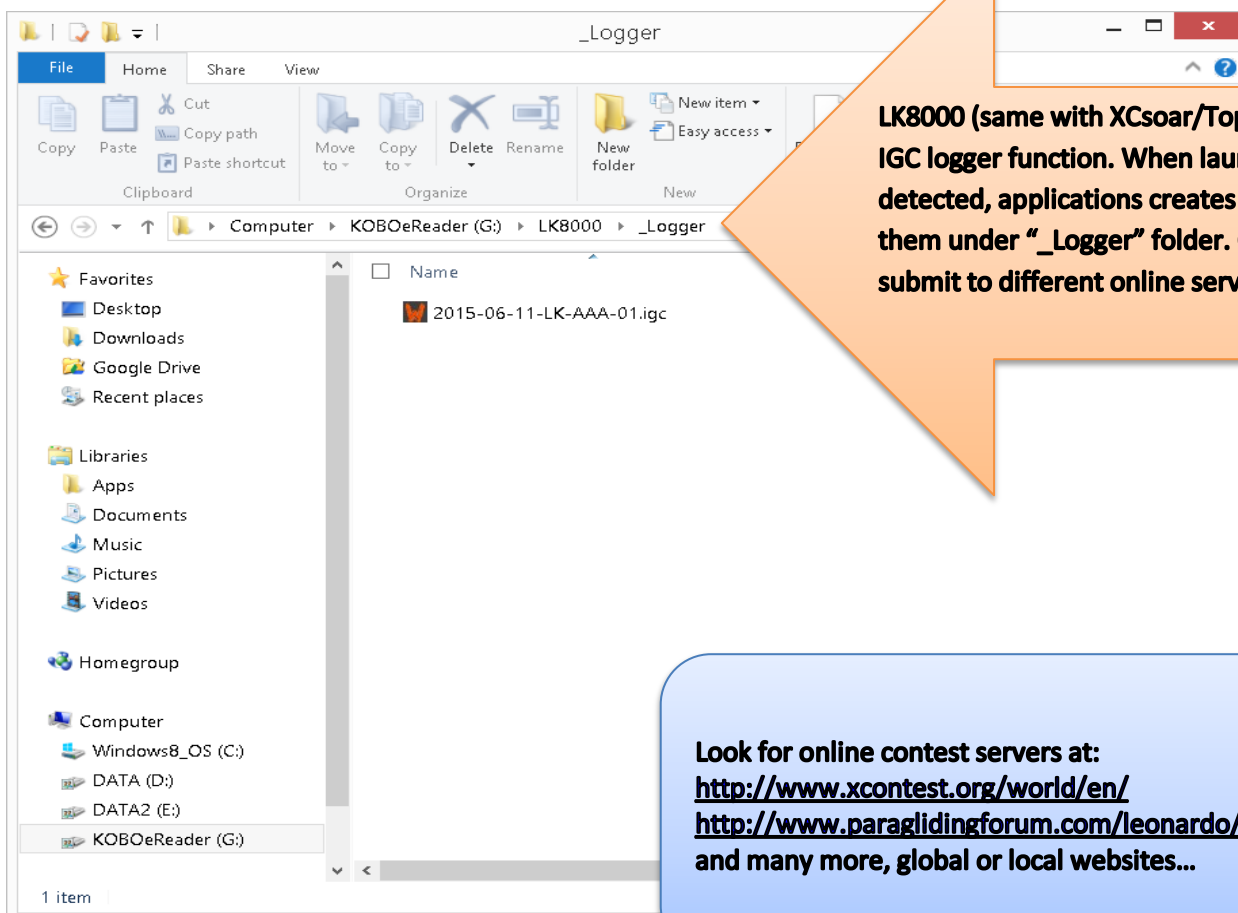




Look for...

LK8000 sound table file at:

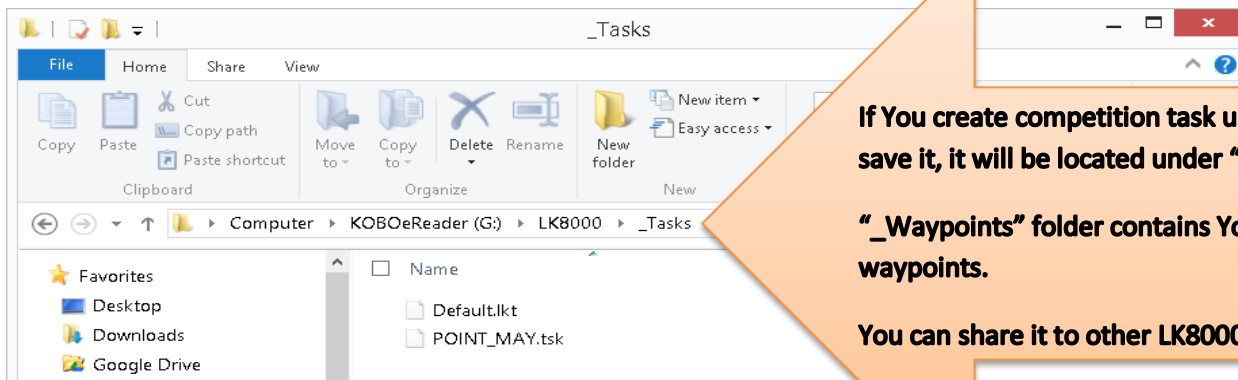
<http://www.goflyinstruments.com/download-3/>



Look for online contest servers at:

<http://www.xcontest.org/world/en/>

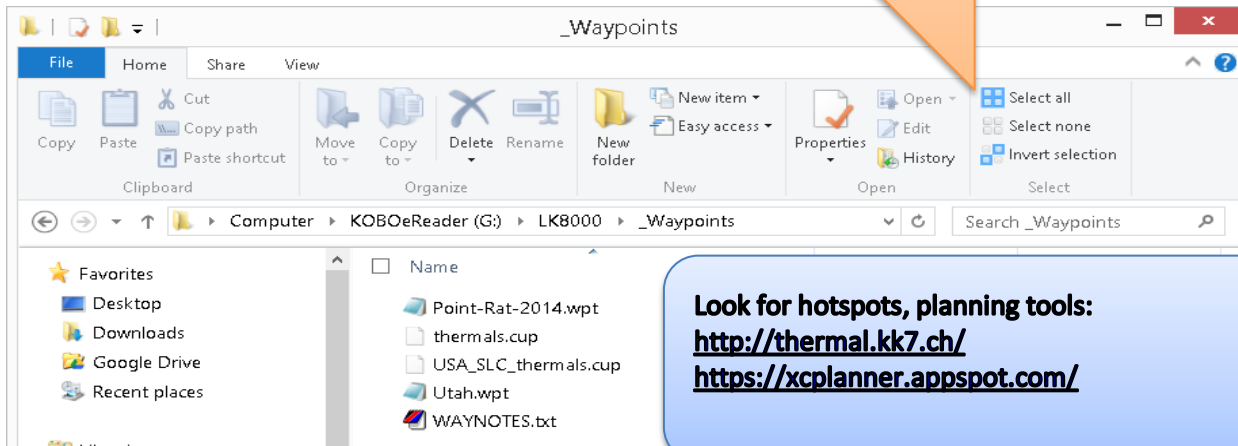
**http://www.paraglidingforum.com/leonardo/page/index_full
and many more, global or local websites...**



If You create competition task under LK8000 and save it, it will be located under “_Task” folder.

“_Waypoints” folder contains Your files with waypoints.

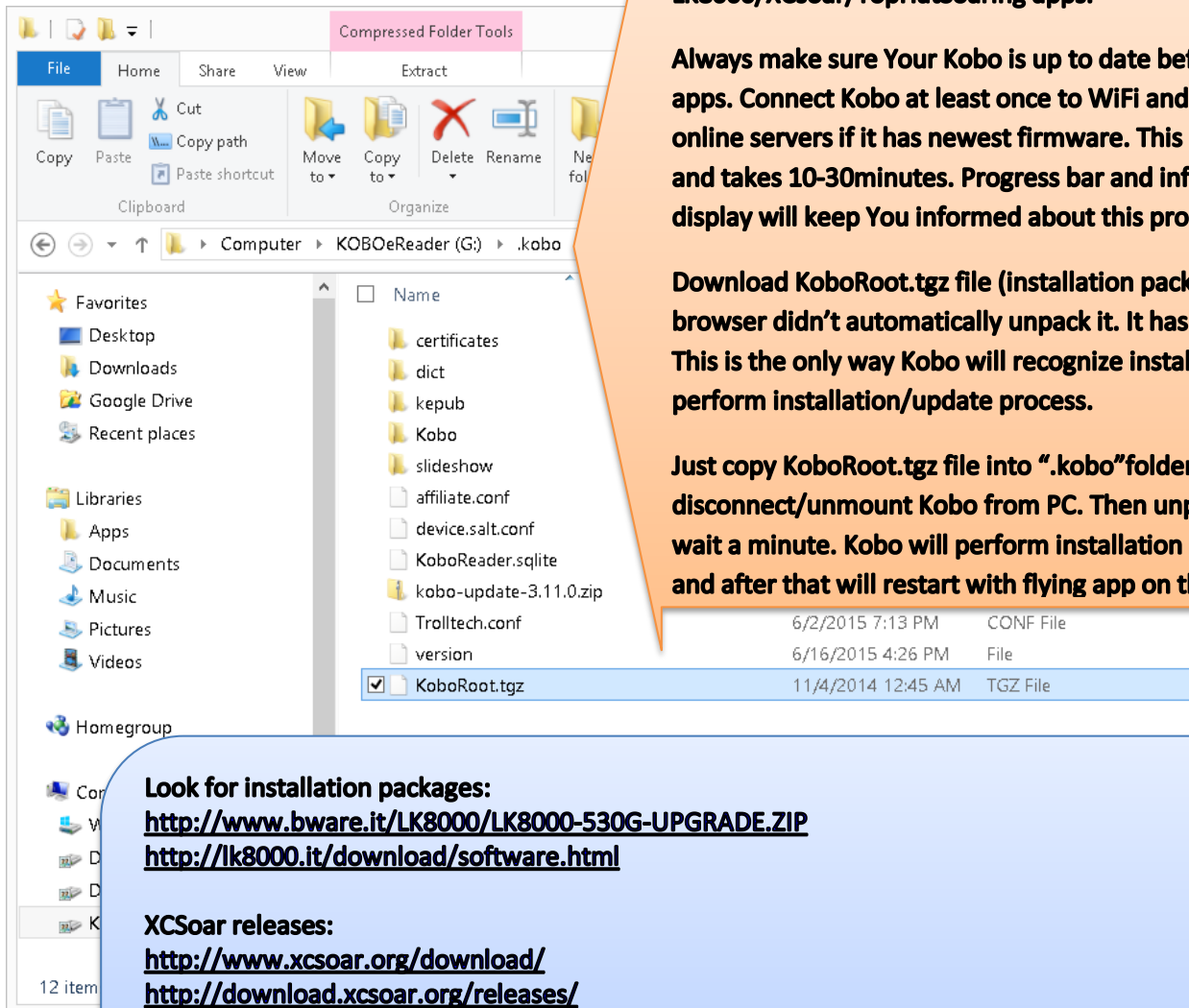
You can share it to other LK8000 users.



Look for hotspots, planning tools:

<http://thermal.kk7.ch/>

<https://xcplanner.appspot.com/>



“.kobo” folder (hidden by default under MAC computers) is a system folder that we use to install or upgrade LK8000/XCsoar/TopHatSoaring apps.

Always make sure Your Kobo is up to date before installing flying apps. Connect Kobo at least once to WiFi and Kobo will check with online servers if it has newest firmware. This is automatic process and takes 10-30minutes. Progress bar and information on the display will keep You informed about this process.

Download KoboRoot.tgz file (installation package), make sure Your browser didn’t automatically unpack it. It has to stay in TGZ format. This is the only way Kobo will recognize installation package and perform installation/update process.

Just copy KoboRoot.tgz file into “.kobo”folder, and safely disconnect/unmount Kobo from PC. Then unplug USB cable and wait a minute. Kobo will perform installation or update process and after that will restart with flying app on the screen.