GoFly Project V4/Pico Outsider Installing/upgrading “flying apps”

Document rev: 16.06.2015

This short document contains information about installation, upgrading, folders structure and folders content.

LK8000 has different approach in this matter than XCsoar/TopHat apps.

At this moment, there is no multiboot option to have all apps installed on one device at the same time. App installation takes over main place on the device. Settings are not overwritten. Installing LK8000 over XCSoar, or XCSoar over LK8000 will keep the settings folders in place.

All flying apps (LK8000/XCsoar/TopHat) use the same hardware setting for external serial device (Pico Insider/Outsider) which provides precision GPS/baro data and acoustic vario in real time.

External sound under LK8000 Device configuration page with work only if folder “_Configuration” contains SOUND_TABLE.TXT file. (follow up next pages for more details).

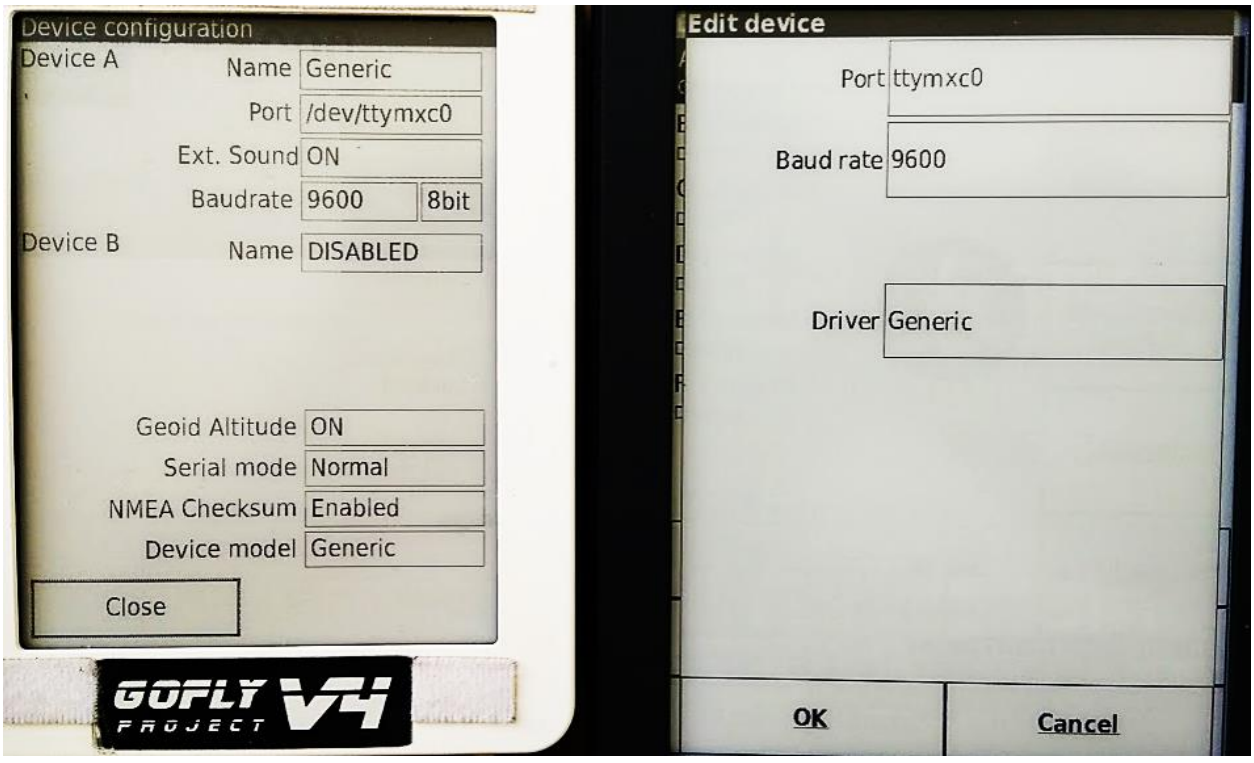
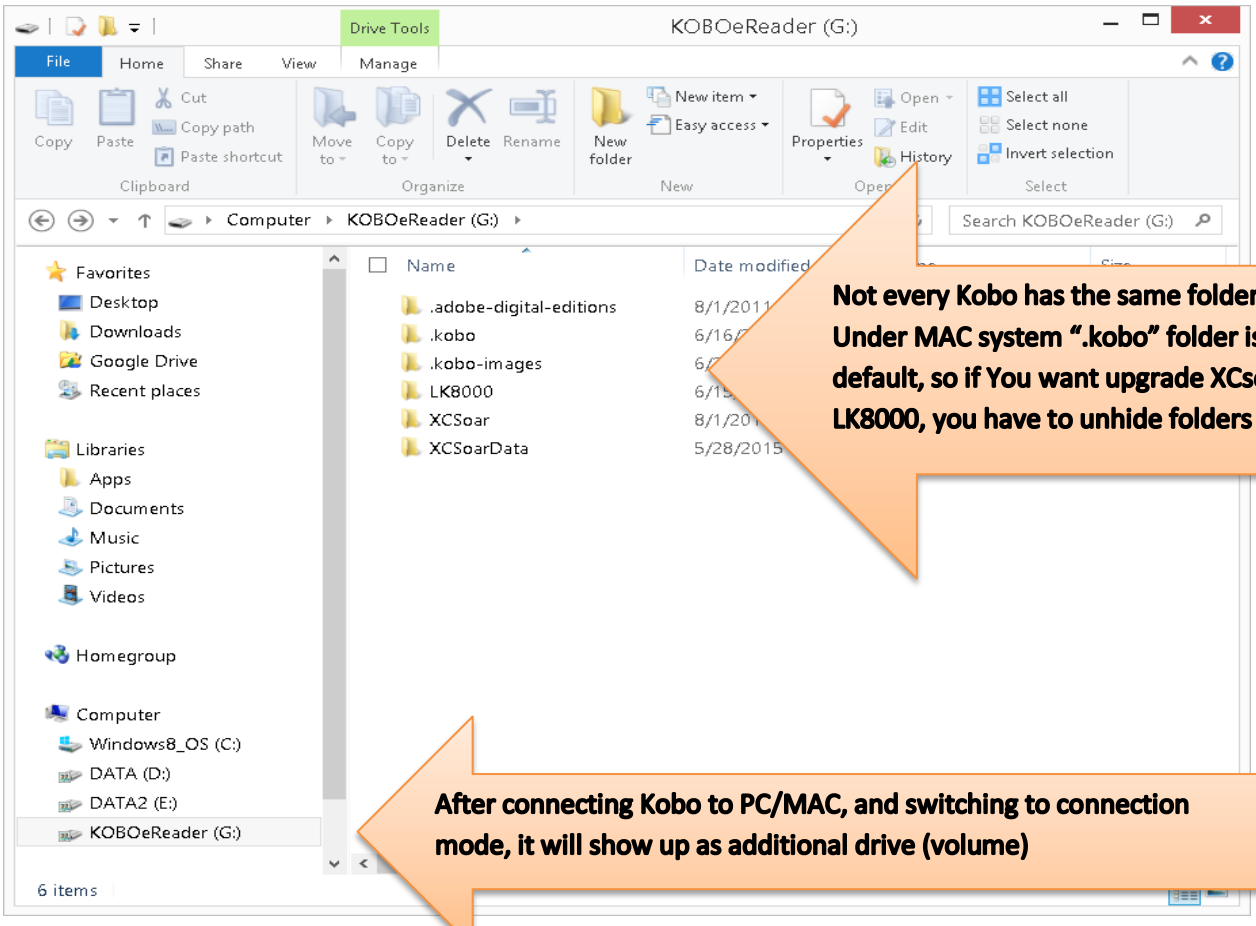
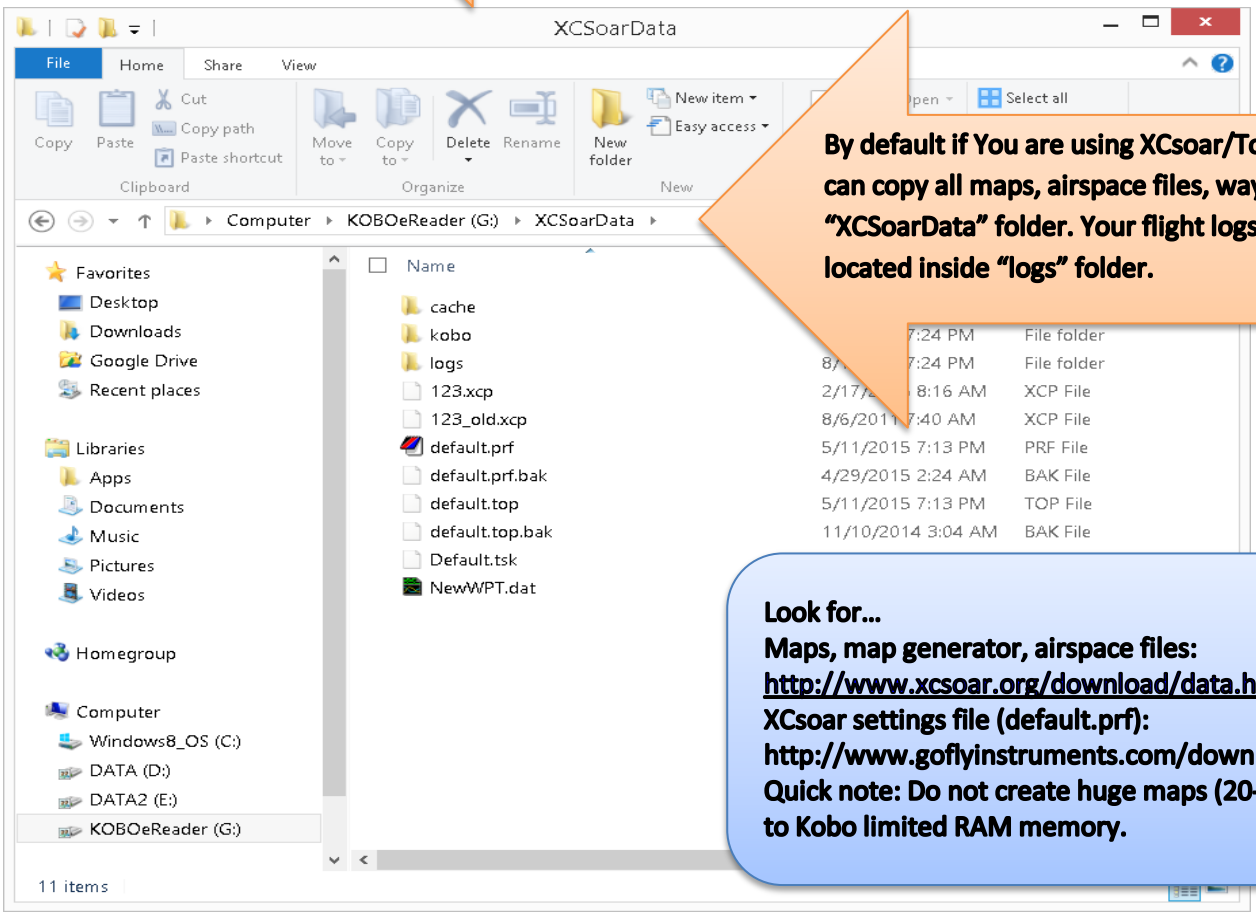
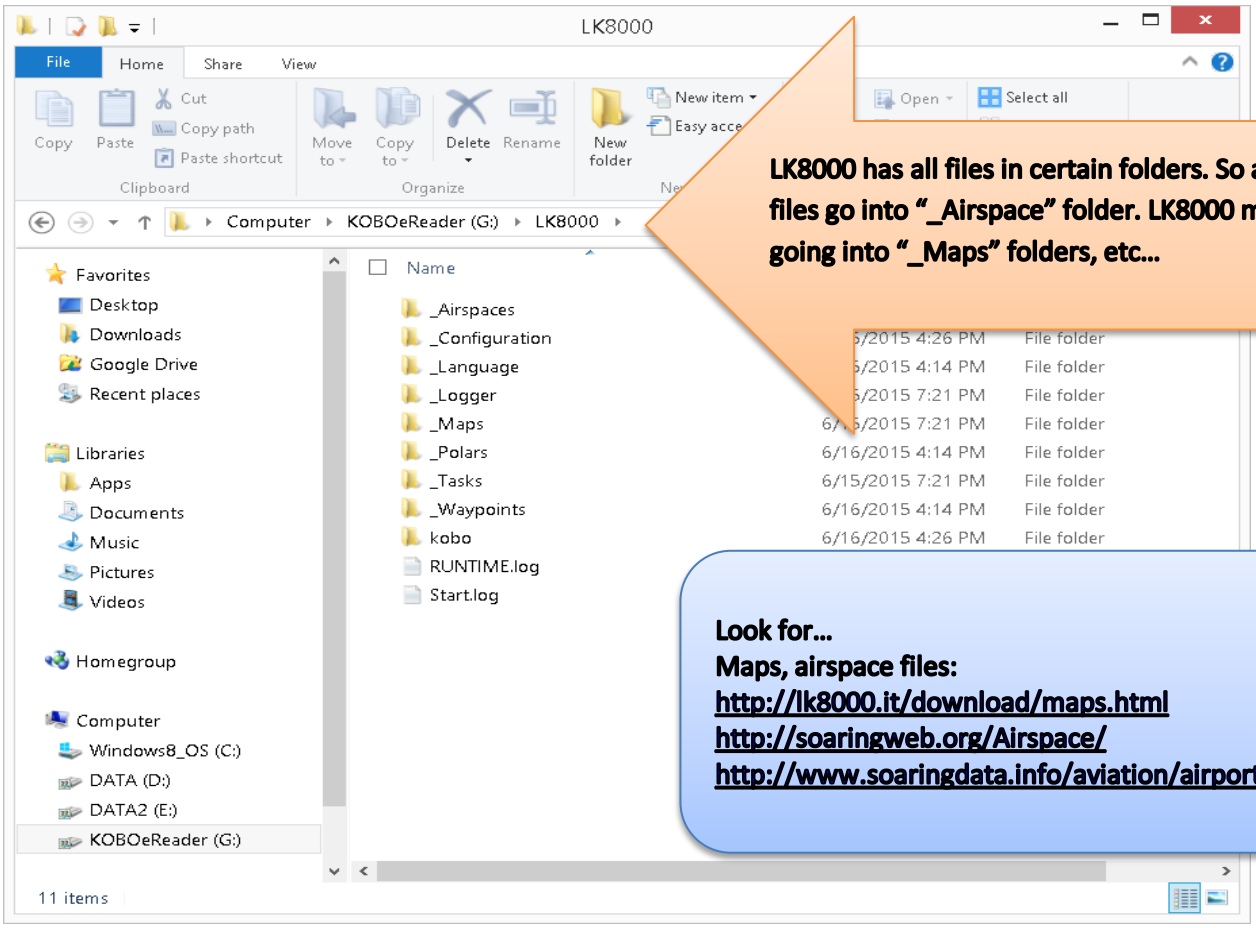
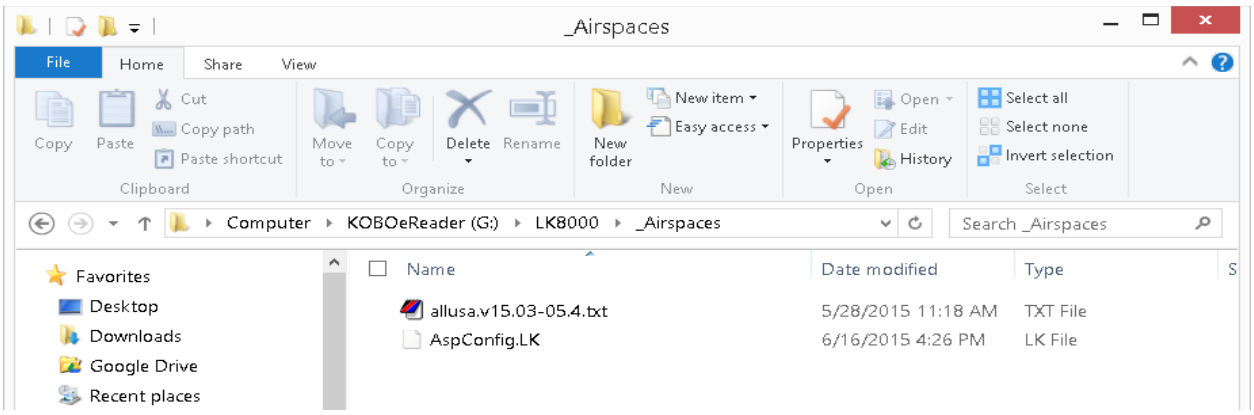


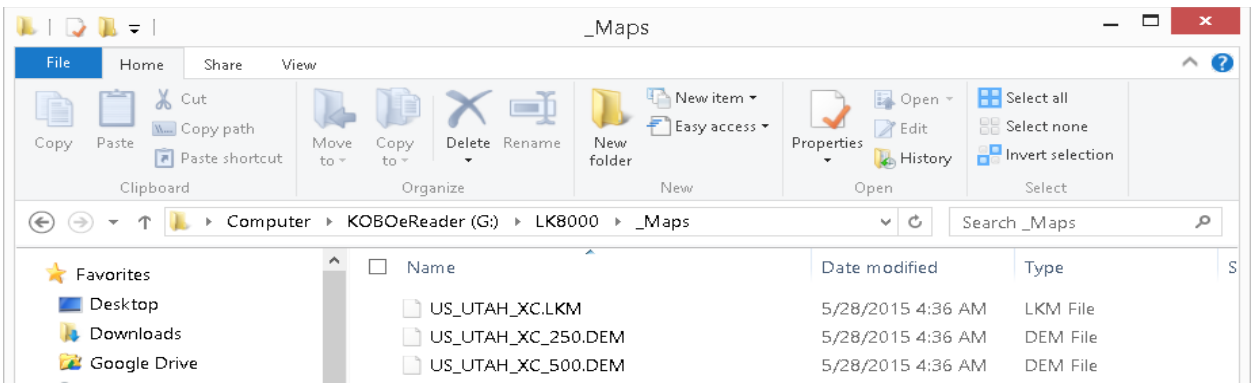
Photo of device configuration page for GoFlyProject V4/Pico Outsider (LK8000 on the left, XCSoar on the right)

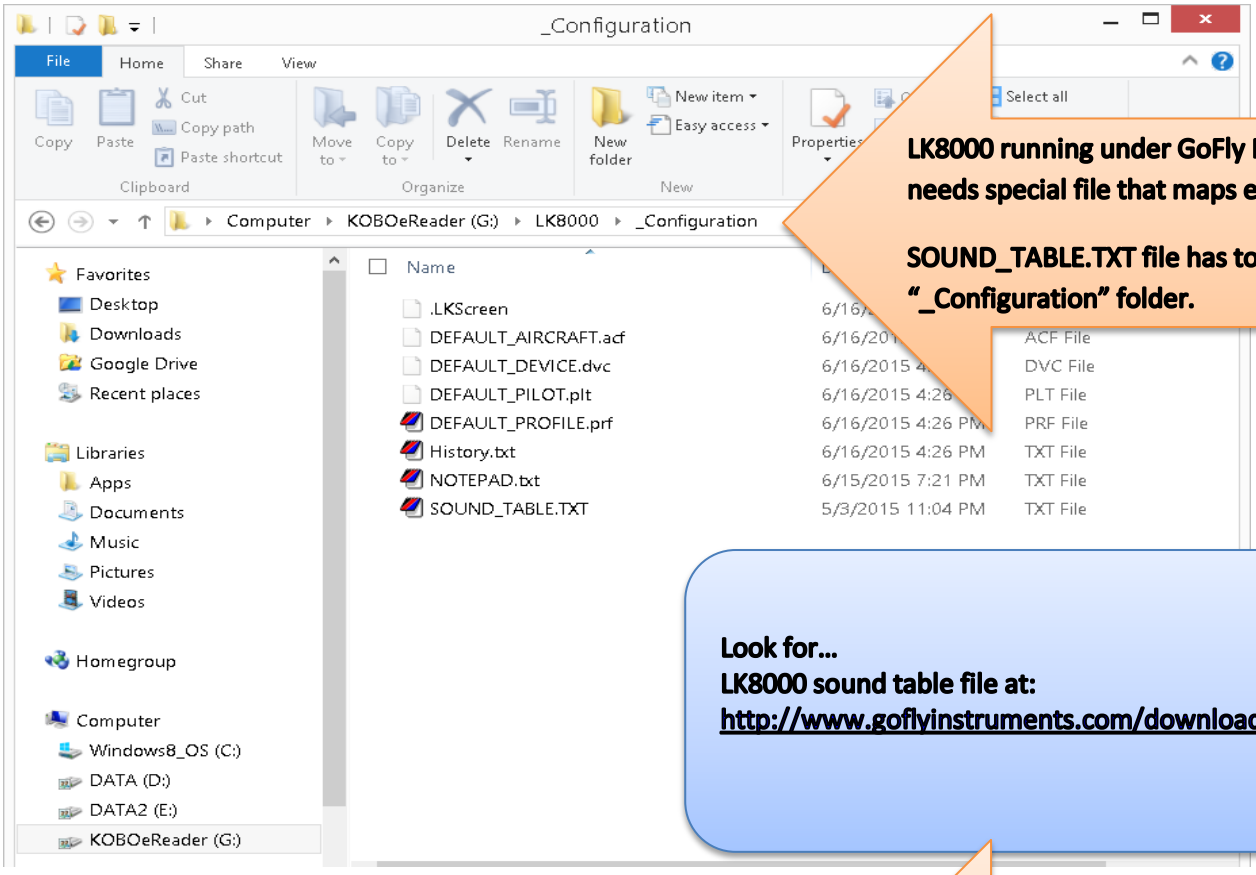

KOBOeReader (G:)
Drive Tools
File
Home
Share
View
Manage
Computer ▸ KOBOeReader (G:)
Search KOBOeReader (G:)
Favorites
Desktop
Downloads
Google Drive
Recent places
Libraries
Apps
Documents
Music
Pictures
Videos
Homegroup
Computer
Windows8_OS (C:)
DATA (D:)
DATA2 (E:)
KOBOeReader (G:)
Name
Date modified
.adobe-digital-editions
.kobo
.kobo-images
LK8000
XCSoar
XCSoarData
6 items
Not every Kobo has the same folders content. Under MAC system ".kobo" folder is hidden by default, so if You want upgrade XCsoar or LK8000, you have to unhide folders first.
After connecting Kobo to PC/MAC, and switching to connection mode, it will show up as additional drive (volume)


XCSoarData
File
Home
Share
View
Computer ▸ KOBOeReader (G:) ▸ XCSoarData
Favorites
Desktop
Downloads
Google Drive
Recent places
Libraries
Apps
Documents
Music
Pictures
Videos
Homegroup
Computer
Windows8_OS (C:)
DATA (D:)
DATA2 (E:)
KOBOeReader (G:)
Name
cache
kobo
logs
123.xcp
123_old.xcp
default.prf
default.prf.bak
default.top
default.top.bak
Default.tsk
NewWPT.dat
File folder
XCP File
PRF File
BAK File
TOP File
11 items
By default if You are using XCsoar/TopHat, You can copy all maps, airspace files, waypoints into "XCSoarData" folder. Your flight logs (IGC) are located inside "logs" folder.
Look for...
Maps, map generator, airspace files:
http://www.xcsoar.org/download/data.html
XCsoar settings file (default.prf):
http://www.goflyinstruments.com/download-3/
Quick note: Do not create huge maps (20-50MB) due to Kobo limited RAM memory.


LK8000
File
Home
Share
View
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy acce
New
Open
Select all
Computer ▸ KOBOeReader (G:) ▸ LK8000 ▸
Favorites
Desktop
Downloads
Google Drive
Recent places
Libraries
Apps
Documents
Music
Pictures
Videos
Homegroup
Computer
Windows8_OS (C:)
DATA (D:)
DATA2 (E:)
KOBOeReader (G:)
Name
_Airspaces
_Configuration
_Language
_Logger
_Maps
_Polars
_Tasks
_Waypoints
kobo
RUNTIME.log
Start.log
6/16/2015 4:14 PM File folder
6/15/2015 7:21 PM File folder
6/16/2015 4:14 PM File folder
6/15/2015 7:21 PM File folder
6/16/2015 4:14 PM File folder
6/16/2015 4:26 PM File folder
11 items
LK8000 has all files in certain folders. So airspace files go into "_Airspace" folder. LK8000 maps are going into "_Maps" folders, etc...
Look for...
Maps, airspace files:
http://lk8000.it/download/maps.html
http://soaringweb.org/Airspace/
http://www.soaringdata.info/aviation/airportsTab.html


_Airspaces
File
Home
Share
View
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
Computer ▸ KOBOeReader (G:) ▸ LK8000 ▸ _Airspaces
Search _Airspaces
Favorites
Desktop
Downloads
Google Drive
Recent places
Name
Date modified
Type
allusa.v15.03-05.4.txt
5/28/2015 11:18 AM
TXT File
AspConfig.LK
6/16/2015 4:26 PM
LK File

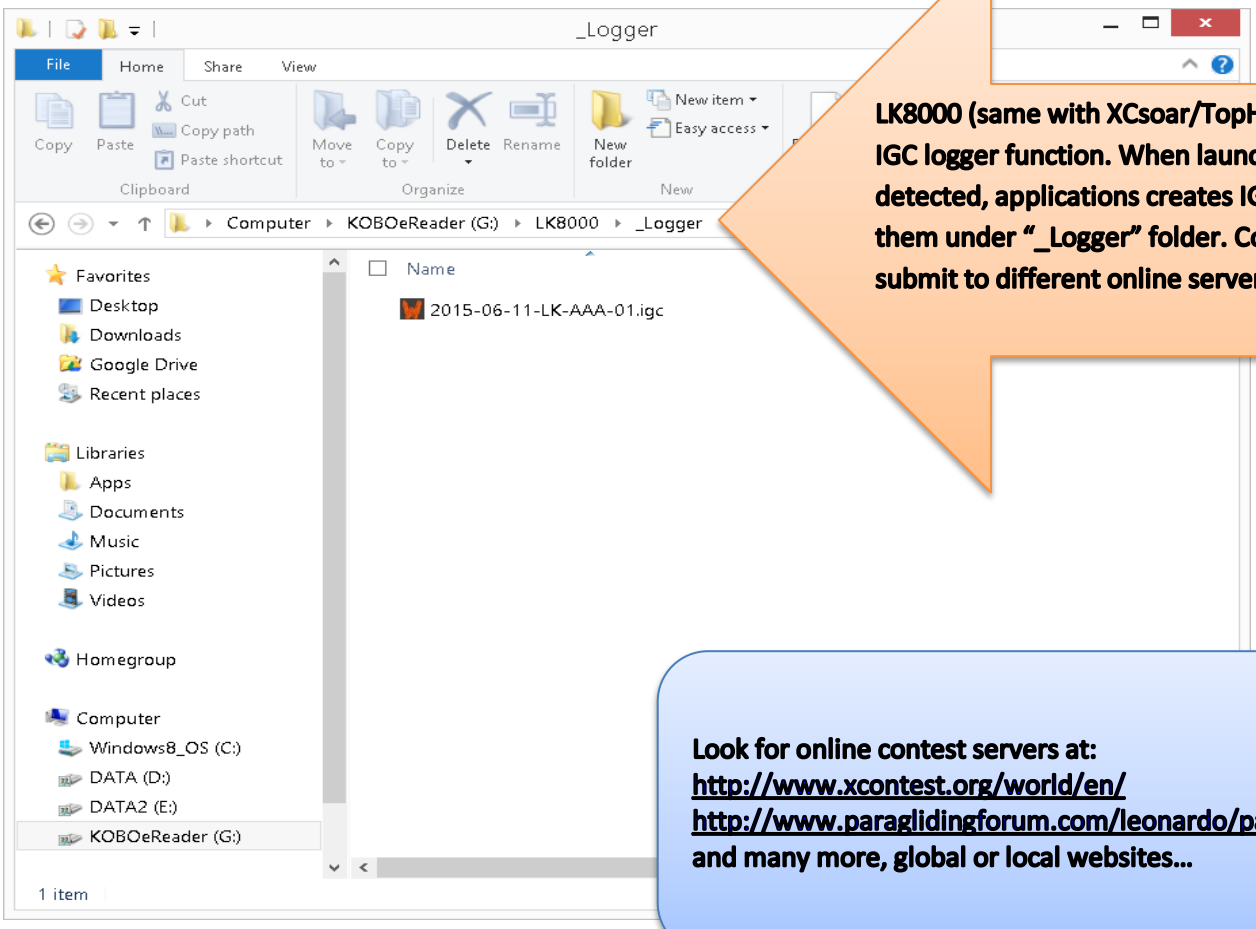

_Maps
File
Home
Share
View
Copy
Paste
Cut
Copy path
Paste shortcut
Clipboard
Move to
Copy to
Delete
Rename
Organize
New folder
New item
Easy access
New
Properties
Open
Edit
History
Open
Select all
Select none
Invert selection
Select
Computer ▸ KOBOeReader (G:) ▸ LK8000 ▸ _Maps
Search _Maps
Favorites
Desktop
Downloads
Google Drive
Name
Date modified
Type
US_UTAH_XC.LKM
5/28/2015 4:36 AM
LKM File
US_UTAH_XC_250.DEM
5/28/2015 4:36 AM
DEM File
US_UTAH_XC_500.DEM
5/28/2015 4:36 AM
DEM File



LK8000 running under GoFly Project V4 device needs special file that maps events with sounds.

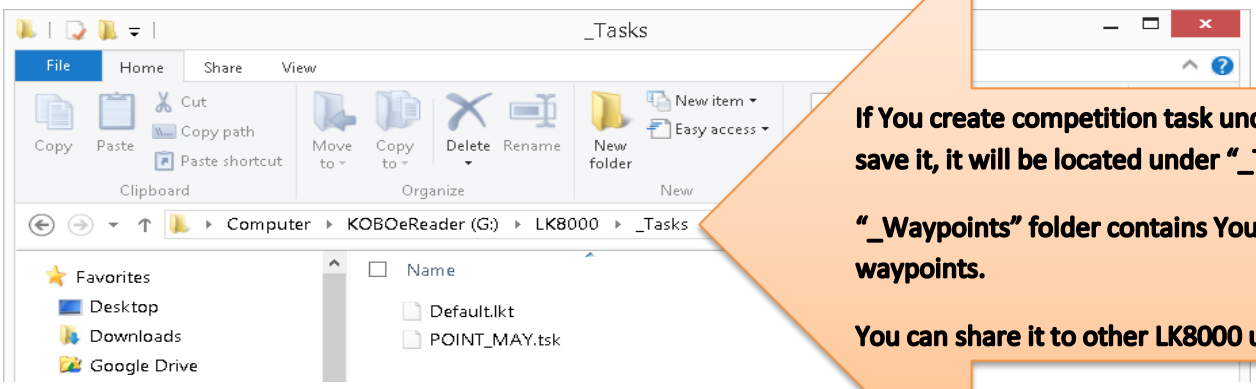
SOUND_TABLE.TXT file has to be located in "_Configuration" folder.

Look for...
LK8000 sound table file at:
http://www.goflyinstruments.com/download-3/



LK8000 (same with XCsoar/TopHat) has automatic IGC logger function. When launch and then landing is detected, applications creates IGC file. You can find them under "_Logger" folder. Copy Your flights and submit to different online servers.

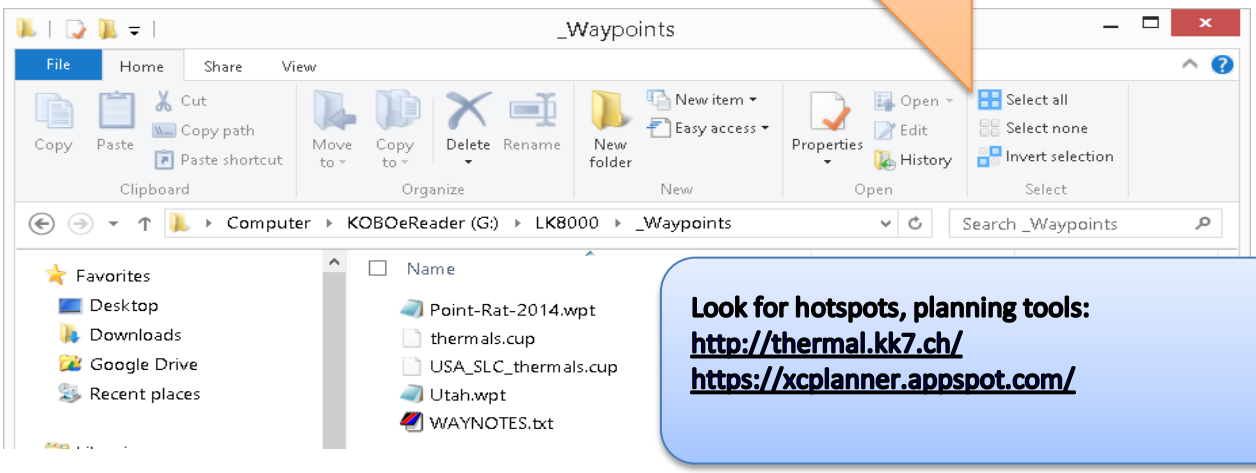
Look for online contest servers at:
http://www.xcontest.org/world/en/
http://www.paraglidingforum.com/leonardo/page/index_full
and many more, global or local websites...



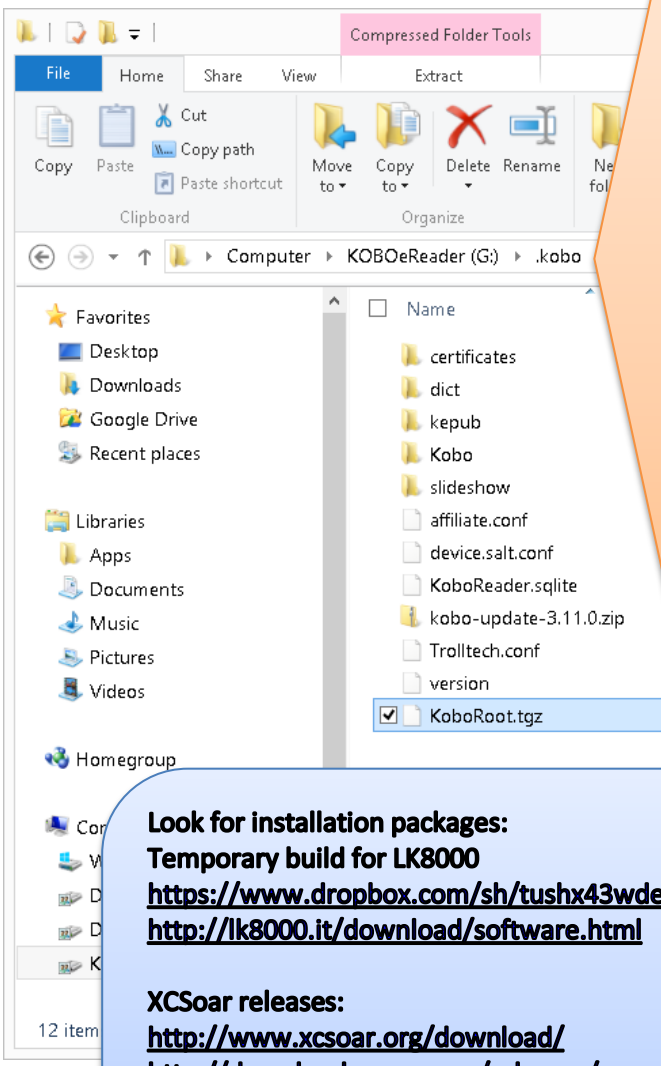
If You create competition task under LK8000 and save it, it will be located under "_Task" folder.

"_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.

Look for installation packages:
Temporary build for LK8000
https://www.dropbox.com/sh/tushx43wde0gn5v/AAA8WOF7JgzzqKur7fJYMKmaa/KoboRoot.tgz?dl=0
http://lk8000.it/download/software.html

XCSoar releases:
http://www.xcsoar.org/download/
http://download.xcsoar.org/releases/

TopHat Soaring releases:
http://www.tophatsoaring.org/Download.html