

PF-Droid 2014 v.20140603 - User's Guide

last updated: 05/06/2014

1. Requirements

You need an Android-based mobile device (smartphone or tablet) in order to install and utilize PF-Droid 2014.

You also need a PC to download the software installation package and transfer it to the mobile device.

PF-Droid 2014 can run on any Android-based mobile device (Android 2.3 or higher) that has a built-in GPS receiver and a data connection (either Wifi or mobile data network access provided by a SIM card).

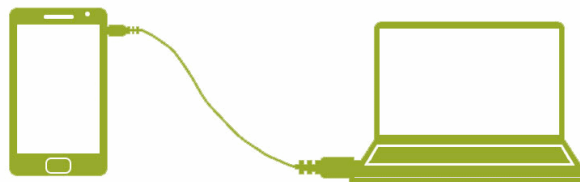
In order to use PF-Droid 2014 in synergy with PF-VRT 2014 and exchange data between them through PF-Cloud, you need to have a mobile data network access provided by a SIM card (Wifi is not a valid option, in this case).

2. Installation

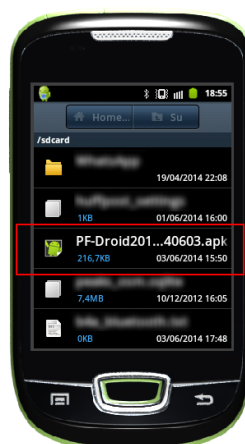
- download the file PF-Droid2014_rel.20140603.apk (or a newest version, if available) from the following webpage:

<http://www.precision-farming.com/web/dwnl.html>

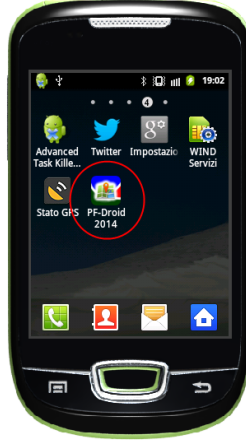
- connect the mobile device to the PC, as you normally do when transferring files (photos, video, audio) between the mobile device and the PC:



- copy the apk file to the mobile device (smartphone or tablet);
- launch the installation process by clicking on the apk file in the device's folder browser:



- now you are ready to launch the app as any other app on your mobile device:



3. Activation

You need to buy a license from Studio Terradat in order to activate and utilize PF-Droid 2014. When activated, the license is permanent.

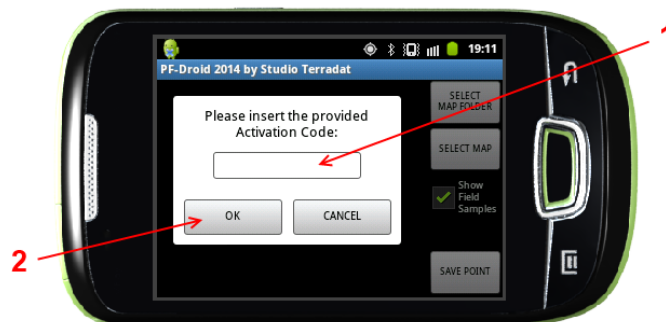
If interested, please ask for a license at: info@terradat.it.

When launching the app prior to activation, the controls in the user interface are disabled. To activate the app, please do the following:

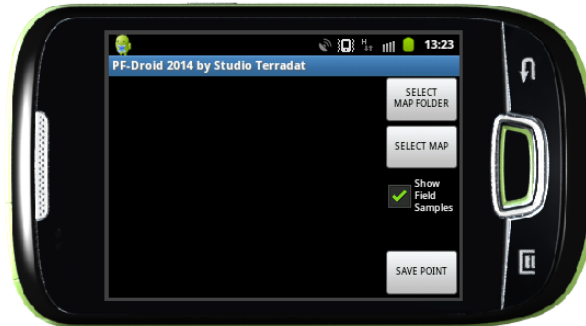
- press the Menu button of the device, then select “Activate license”:



- finally, introduce the activation code and click OK, as follows:



- after activation, the controls in the user interface are enabled:



4. Loading maps

You need to copy to the mobile device the maps in order to navigate them.
 Maps are located in the SD card of the mobile device, inside the following folder:

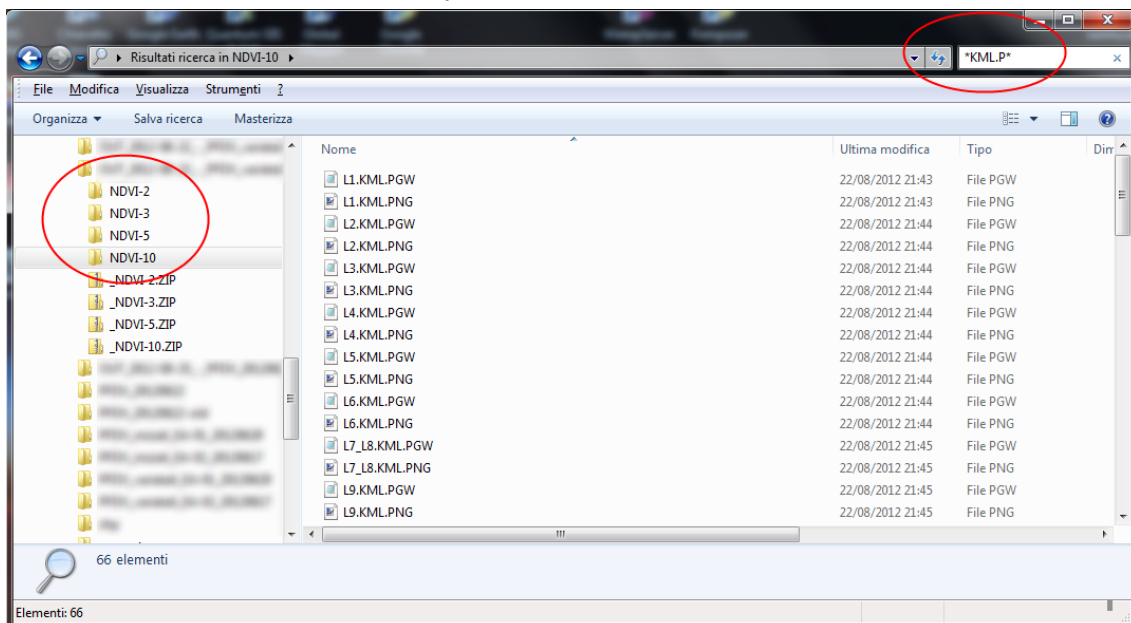
[SD-Card]/PF-Droid_data/PF_data/

That folder may contain several subfolders, each one containing in turn a single set of maps. For example, you may have different folders for different areas, and/or for different parameters (NDVI, SOIL,...), and/or for different classification schemas (for NDVI, 2-3-5-10 classes), and/or for any other specific purpose you may need to manage separately.

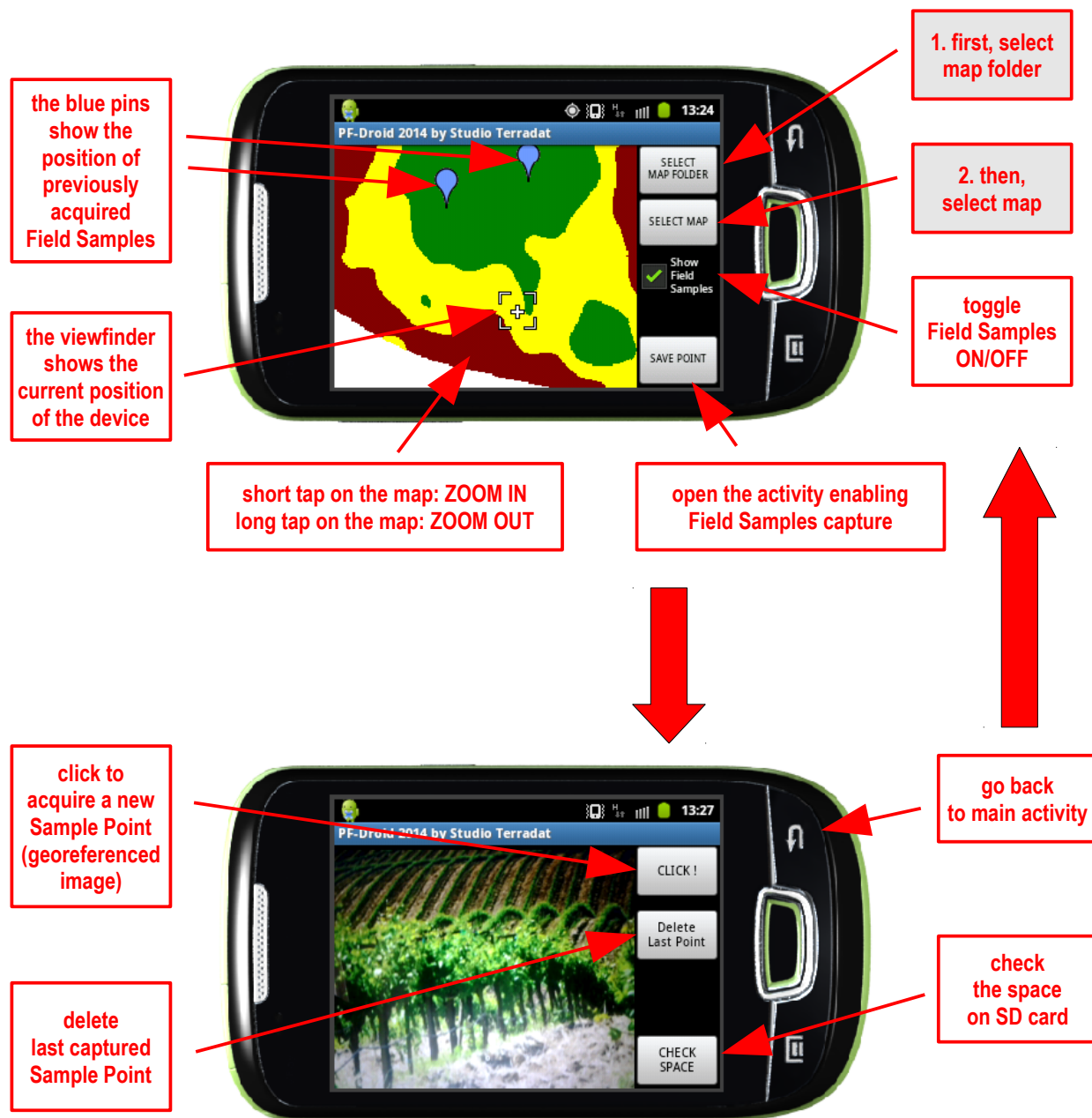
Please note that no further nested subfolders are allowed (maps must be directly included in a subfolder of the above indicated folder).

The data to be copied may be found in one of the subfolders of the media (CD, DVD, USB key) provided by Studio Terradat in case of delivery on physical media, or in one of the subfolders of the downloaded zip file in case of online delivery (in this case you must unzip the file before locating the maps, possibly using the PF-VRT 2014 software).

Please locate one of these subfolders using Windows Explorer, then input the required search pattern (*KML.P*) in order to select only the files to be copied to the mobile device:



5. Using the app



Note: Sample Fields data are located in the SD card of the mobile device inside the following folder:

[SD-Card]/PF-Droid_data/FieldSamples/

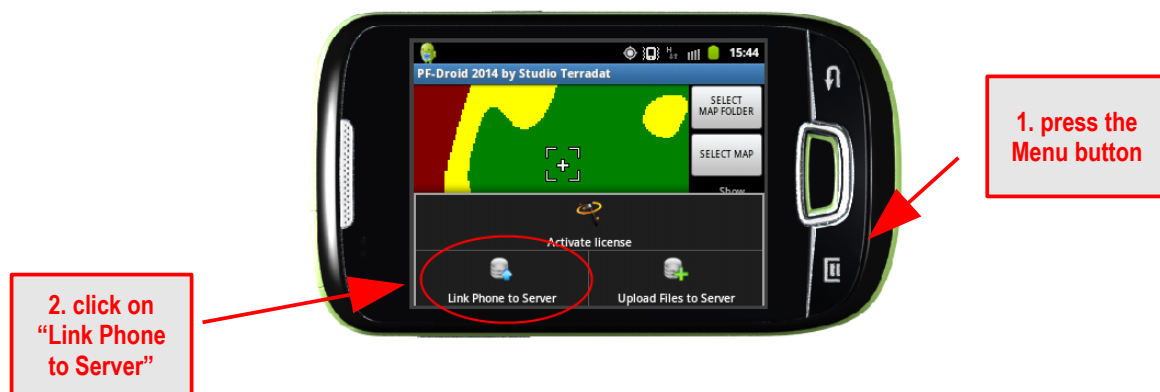
6. Linking the device to Server (PF-Cloud)

You need to buy a token (numerical code) from Studio Terradat in order to link PF-Droid 2014 to PF-VRT 2014. When inserted into PF-Droid 2014, the token enables the link for a certain period of time (usually 3/6/12 months).

When the two software are linked together, the Field Samples collected by the mobile device can be transferred to PF-VRT 2014 by means of PF-Cloud, a dedicated server storage application that acts as a gateway between field (PF-Droid 2014) and office (PF-VRT 2014) applications.

If interested, please ask for a token at: info@terradat.it .

To link the device to Server, press the Menu button, then click on “Link Phone to Server”, finally input the numerical code (token) that has been provided to you by Studio Terradat.



7. Uploading Field Samples to Server (PF-Cloud)

After linking the mobile device to Server, it's possible to upload to Server the collected Field Samples.

To do so, press the Menu button, then click on “Upload files to Server”: the app will start uploading all the pending Field Samples data (e.g. all the files that have not already been successfully uploaded).

