



Data Export from Explorer 3 to Explorer 23

V.1.0

SPC1SSEDE010



Index

- 1. What you need for this operation**
- 2. Extracting data from the Explorer 3**
 - 2.1 Saving data into the C-Card
 - 2.2 Transferring data from C-card to PC
- 3. Preparing data for Explorer 23**
 - 3.1 Creating USERIMG.BIN
 - 3.2 Importing the .XML USERDATA files into USERIMG.BIN
 - 3.3 Converting USERIMG.BIN to .GPX
- 4. Importing data to Explorer 23**
- 5. Troubleshooting**

Need help ?

Contact us!

service@seiwa-marine.com



1. What do you need for this operation

In order to import your precious data from Explorer 3 to the newer Explorer 23, make sure you have all the required instruments and software:

1. Your old Explorer 3
2. User C-Card compatible with your Explorer 3
3. C-Map DPS reader with its USB cable
4. C-Map PC-Planner software
5. Your new Explorer 23
6. Empty micro SD card and SD adapter
7. Windows PC with micro SD reader (you can use also microSD to SD adapter)
8. Notepad++ software, available for free on the web
9. AvMap GPX converter vers.5 available here:

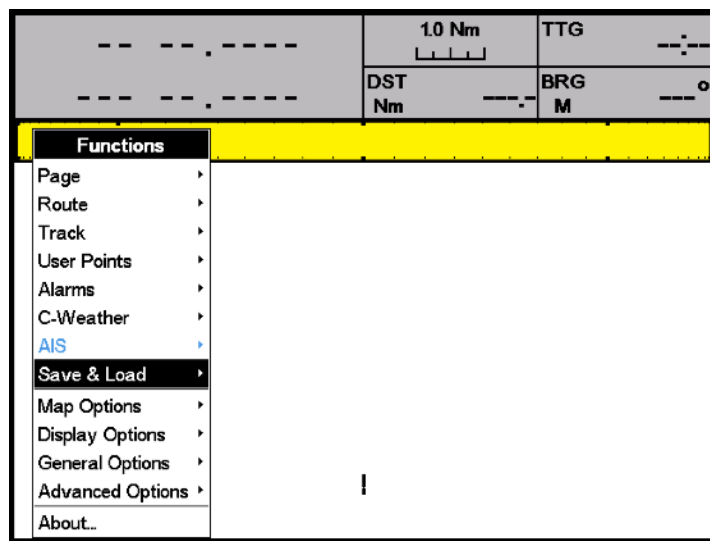
<http://cloud.avmap.us/download/ConvertitoreAvMap.ver5.zip>



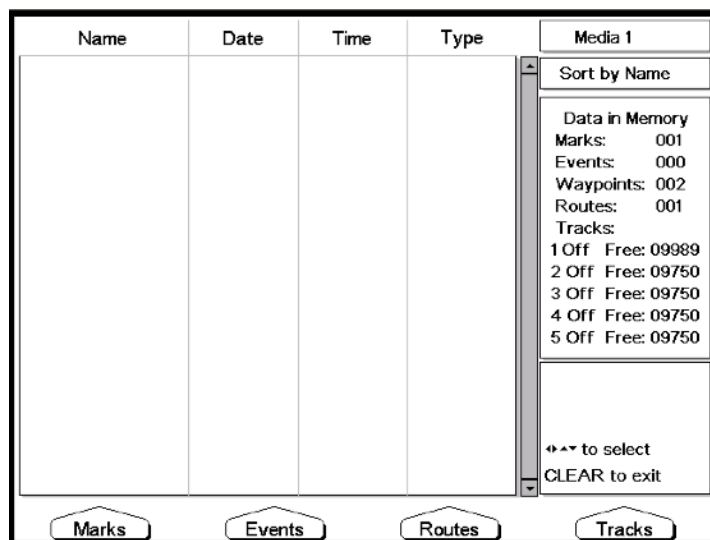
2. Extracting data from Explorer 3

2.1 Saving Explorer 3 data into the C-Card

1. Insert the User C-Card into one of the slots of Explorer 3 and turn it on.
2. Press MENU then select **Save and Load** to save user data into the User C-Card.

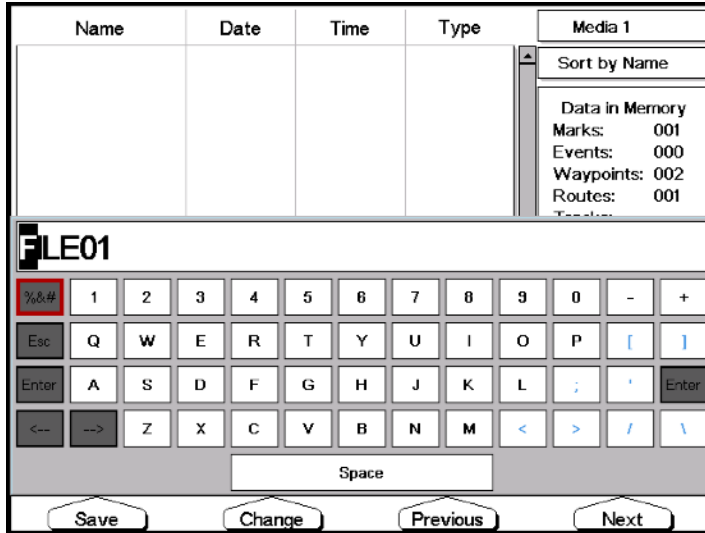


3. Use the Key buttons to save your Marks, Routes and Tracks. Select Mark.





4. Press Save, then use the Previous and Next buttons to write on the virtual keyboard to name the file containing all your Marks.



5. Repeat the operation for Events, Routes and Tracks.
6. When you have saved all the files, turn off Explorer 3 and extract the User C-Card from the Explorer 3.

Name	Date	Time	Type
FGMKS11	01/01/80	00:00:00	Marks
FGROUTE	01/01/80	00:00:00	Routes
TRACKFG1	01/01/80	00:00:00	Tracks



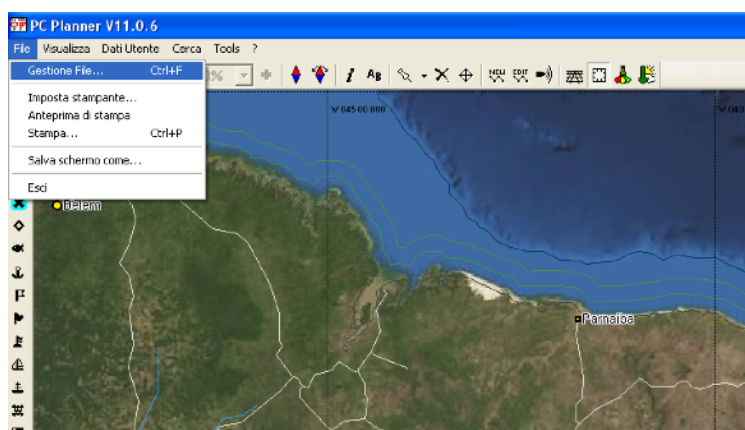


2.2 Transferring data from C-card to PC

1. Insert the User C-Card in the C-Card slot of the DPS C-MAP reader.

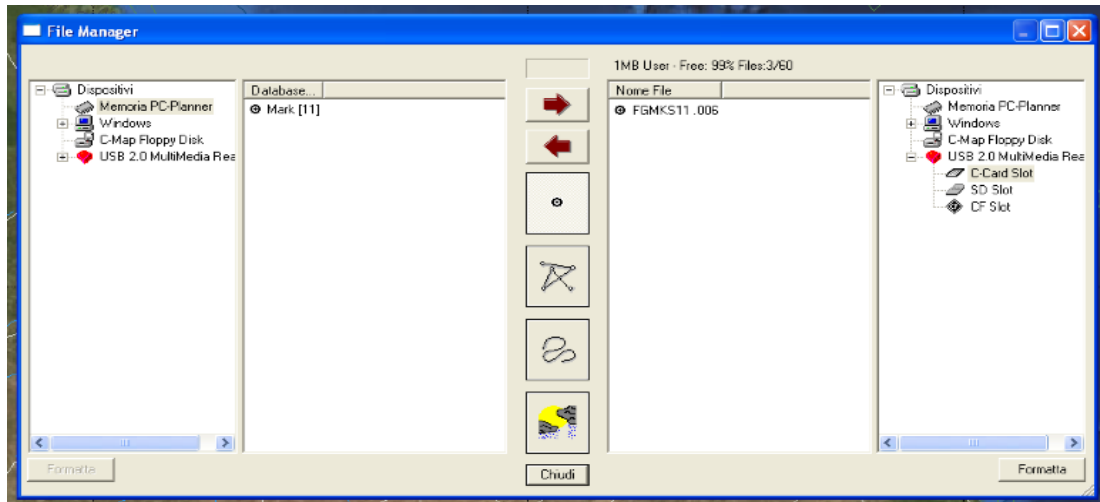


2. Launch the PC planner application
3. Select **File > File Manager**



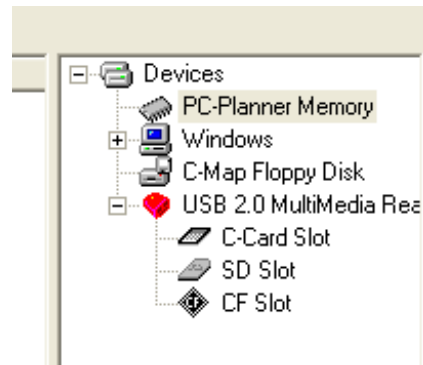
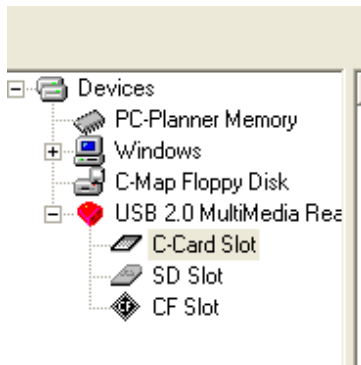


4. The file Manager window allows transferring the user data from the User C-Card to the PC Planner as first step and from the PC planner to a folder into your PC as second step.



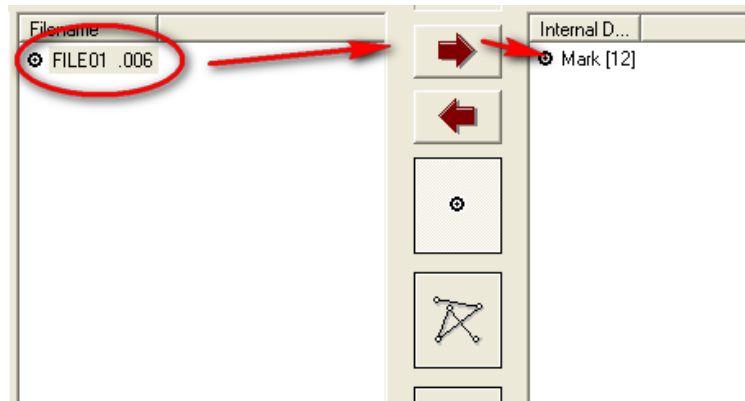
5. To transfer the user data from the User C-Card to PC planner select:

- C-CARD SLOT in the left column
- PC-PLANNER MEMORY in the right column.

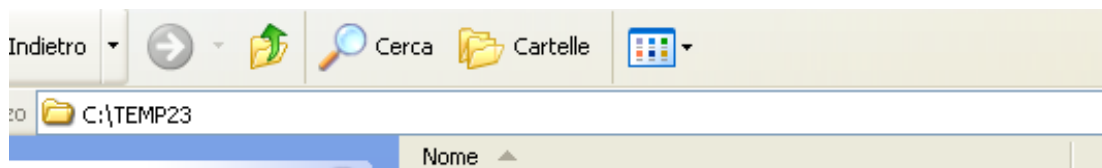




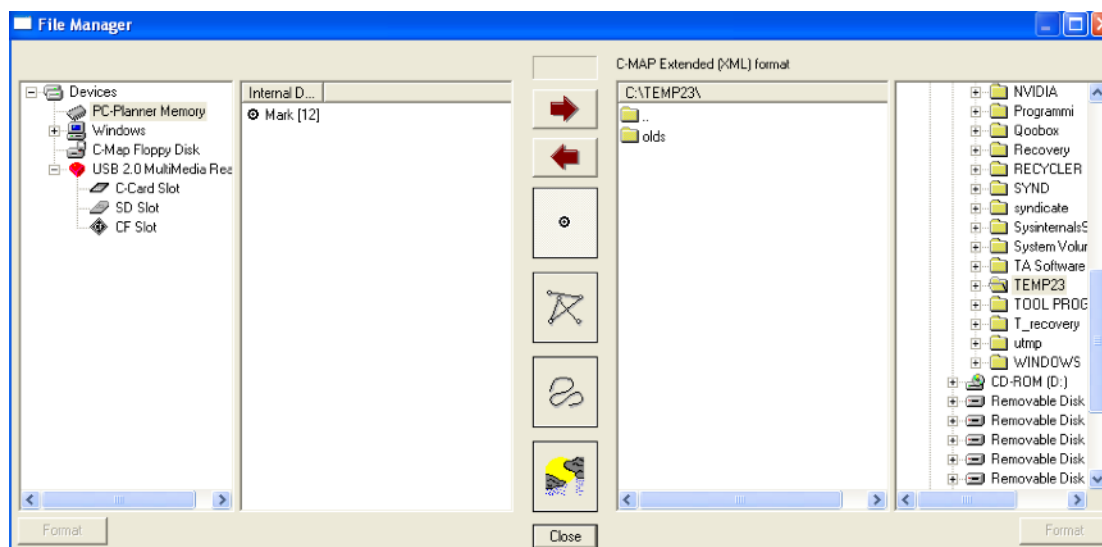
6. Select the file in the left column (the Mark file is displayed first).
7. Click the left to right arrow button to transfer the file from user card to PC planner memory.



8. Repeat the same procedure for the other files (Events, Routes and Tracks). Now it is possible to export the user data from the PC-Planner to PC.



9. Create a new folder on your PC and rename it as you prefer (in this example "TEMP23").

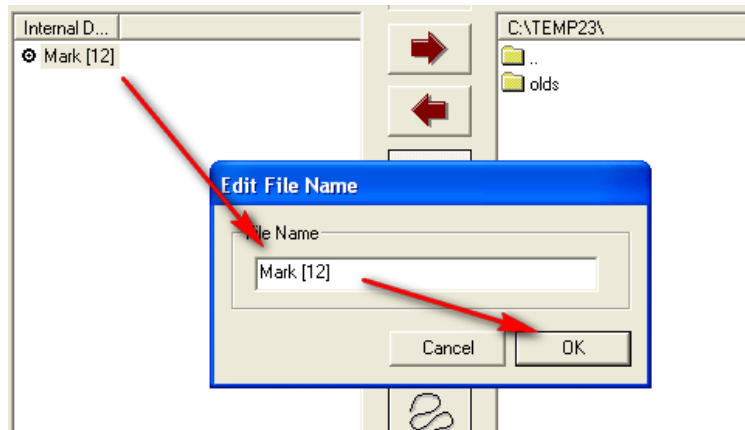




10. On the File Manager window select:

- PC Planner Memory in the left column
- TEMP23 folder in the right column.

11. Select the file on the left column and press the left to right arrow.



12. The Edit file name pop-up appears: do not rename your file and click OK.

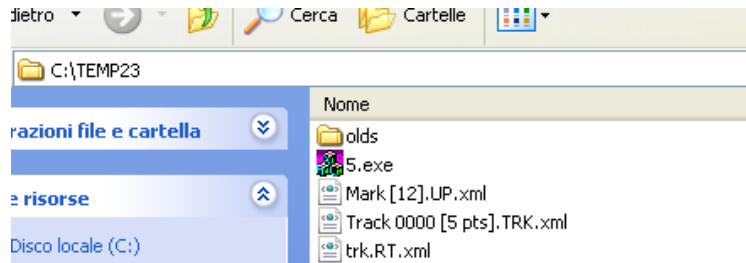


13. The file will appear in the selected folder.

14. Repeat the procedure for Events, Tracks and Routes.



15. Open the TEMP23 folder on your PC to check if all files are correctly saved. In the .XML format. The .XML files will have to be converted into USERIMG.BIN file and then into a .GPX file in order to be imported in the Explorer 23.



16. You can remove the User C-Card from the DPS Reader.

3. Preparing data for Explorer 23

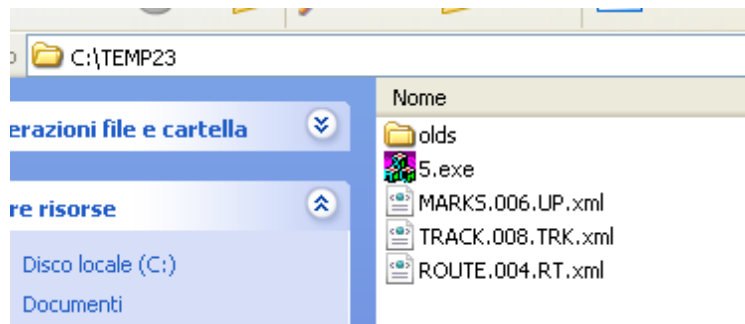
3.1 Creating the USERIMG.BIN

1. Rename the .xml files in this way:

Marks >> NAME.**006.UP**.xml (**006.UP**. is mandatory for .XML file)

Routes >> NAME.**004.RT**.xml (**004.RT**. is mandatory for .XML file)

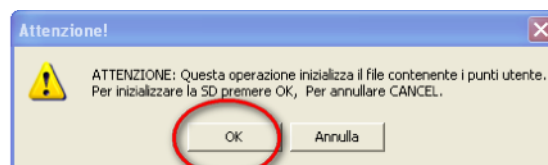
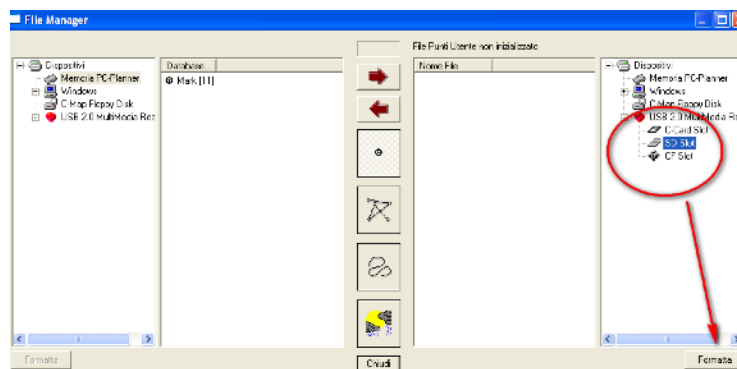
Tracks >> NAME.**008.TRK**.xml (**008.TRK**. is mandatory for .XML file)



2. Take an empty micro SD, insert it in a SD adapter, and then insert it into the SD Card slot of the C-Map DPS reader.

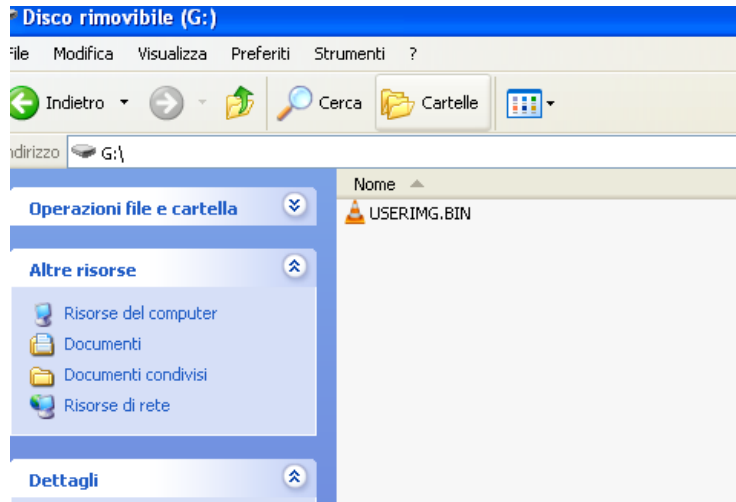
3. In the PC Planner select **File > File manager** then select SD card Slot.

4. Click **Format** and confirm clicking **OK** on the pop-up.

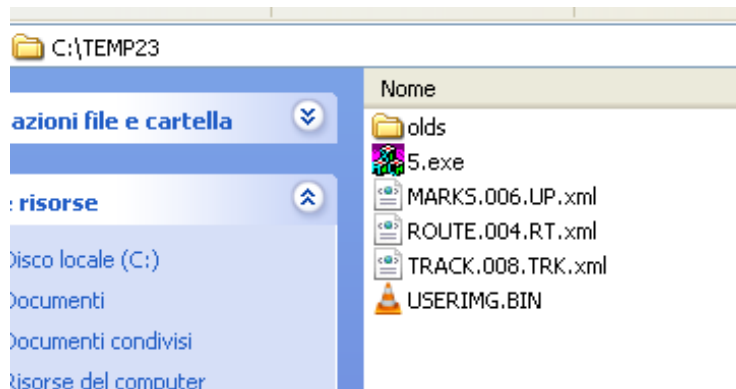




5. Remove the SD card from the slot and insert it into the memory card reader of your PC to verify its content. You should see a USERIMG.BIN file.

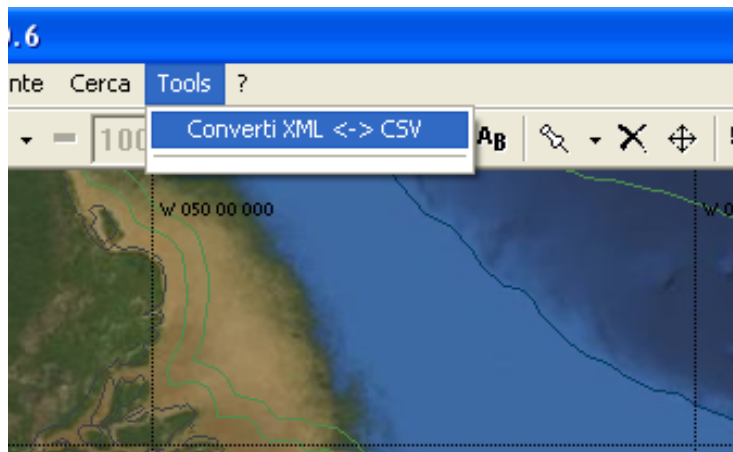


6. Copy this file in your PC in the same folder where the .XML files were saved (e.g. C:\TEMP23).

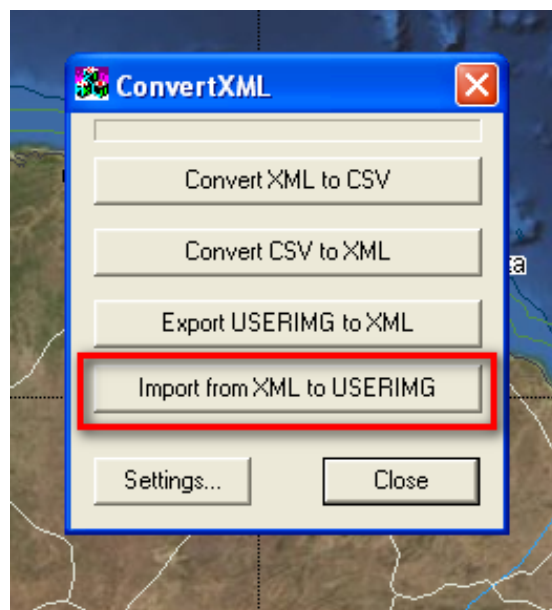


3.2 Importing the .XML USERDATA files into USERIMG.BIN

1. Close the **File manager** window of the PC Planner and select **Tools > Convert XML <-> CSV**.

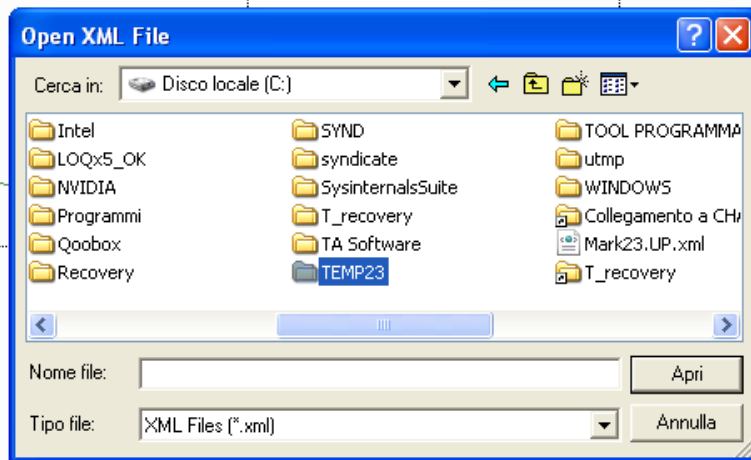


2. In the ConvertXML window select **Import from XML to USERIMG.BIN**

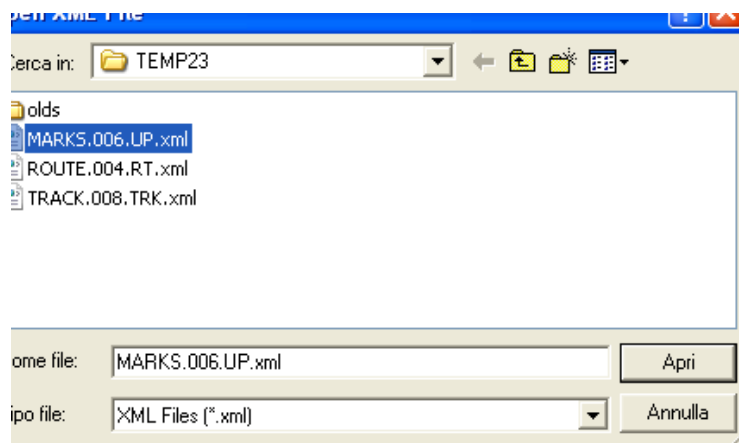




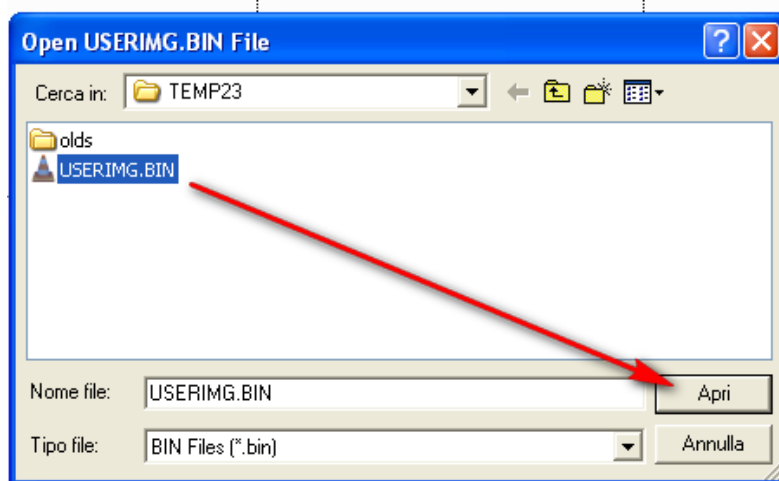
3. Choose the folder in which you have previously saved the .XML files and click **Open**.



4. Select one file at a time and then click **Open**.



5. In the new window select the folder where the USERIMG.BIN file has been saved and click **Open**, then select the USERIMG.BIN file and click **Open**.

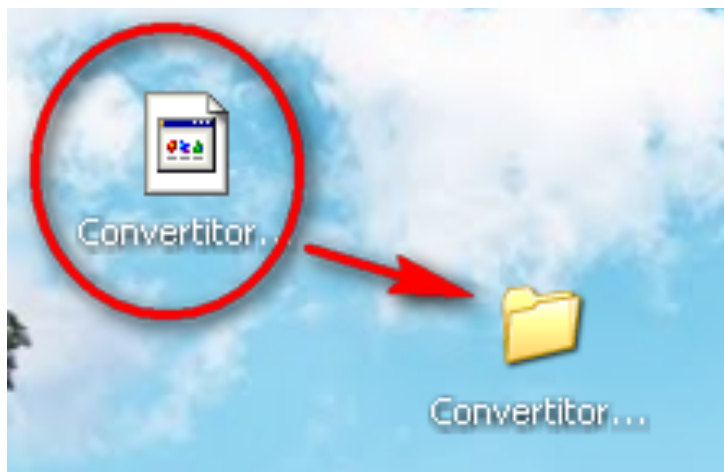




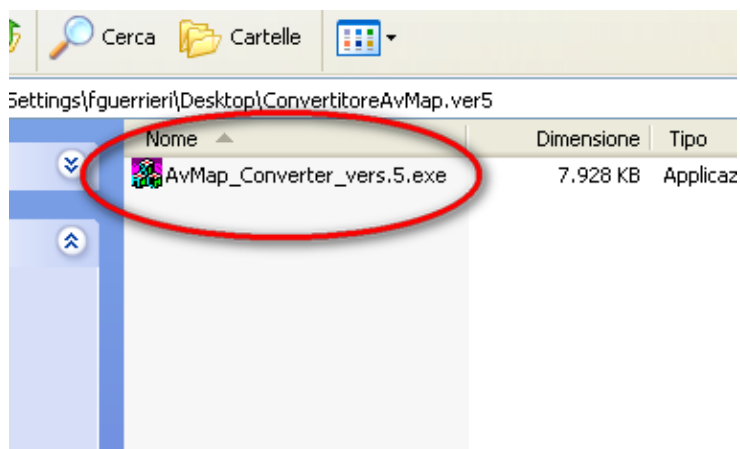
6. Repeat the procedure (steps 2-5) for Events, Routes and Track files, choosing the same USERIMG.BIN file.
7. Close the PC planner.

3.3 Converting USERIMG.BIN to .GPX

1. Download the **AvMap Converter ver.5** here: <http://cloud.avmap.us/download/ConvertitoreAvMap.ver5.zip>
2. Unzip the folder.

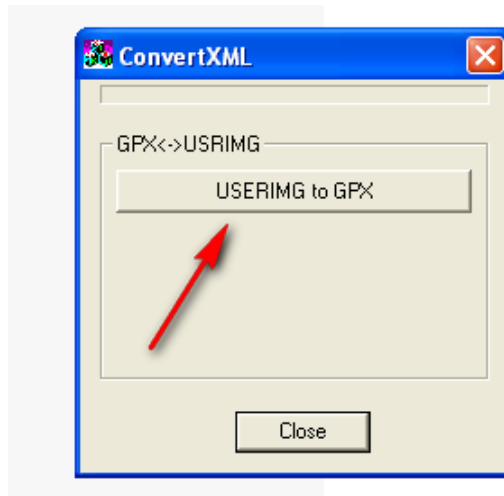


3. Open the folder to find the AvMap converter tool. Double click the .exe file to launch the tool.

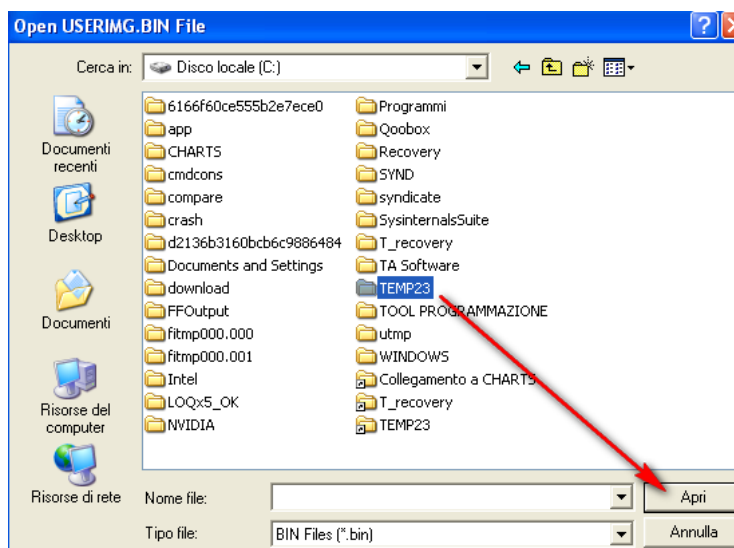




4. Click **USERIMG.BIN to GPX format**.

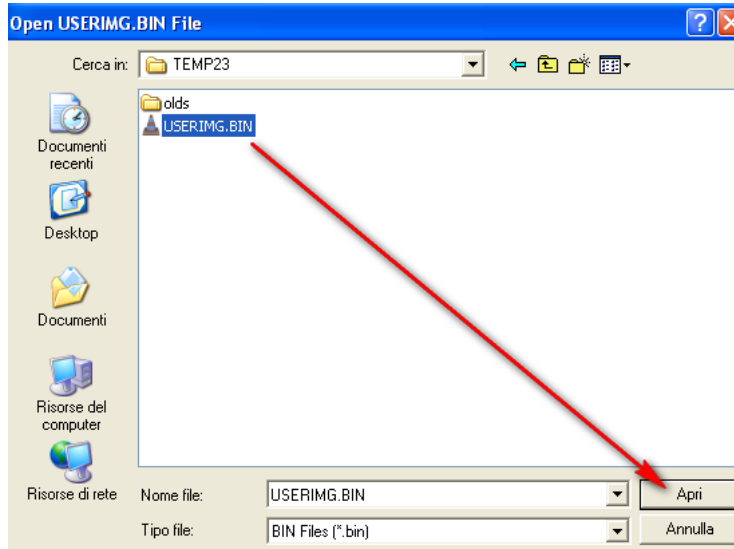


5. Select the folder where the USERIMG.BIN file was saved and click **Open**.

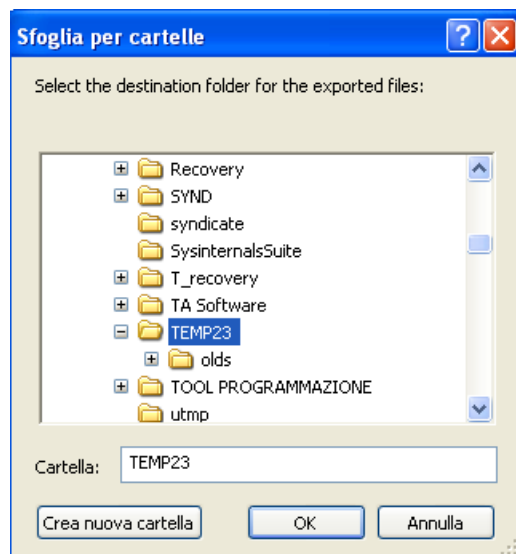




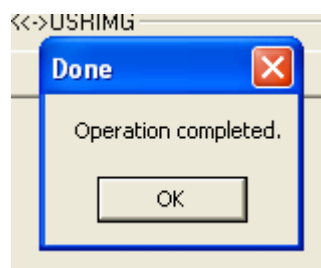
6. Then select the USERIMG.BIN file and click **Open**.



7. Select the folder where the USERIMG.BIN file is saved and click **OK**.

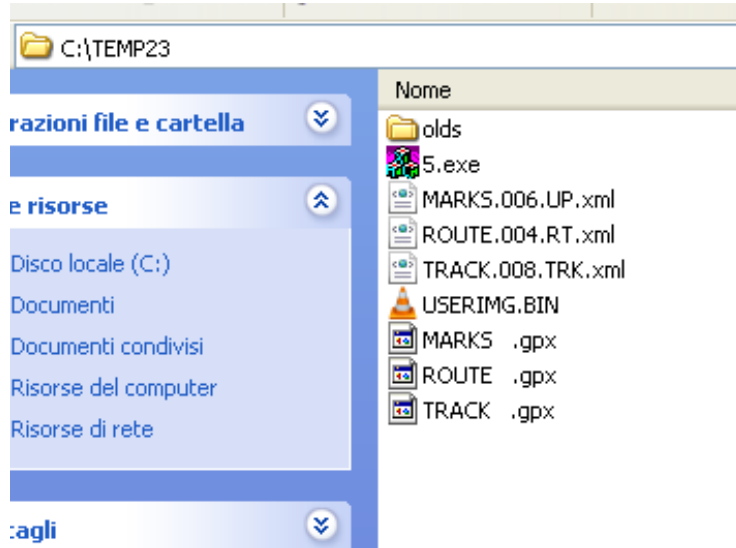


8. The converter will show a pop-up confirmation message.

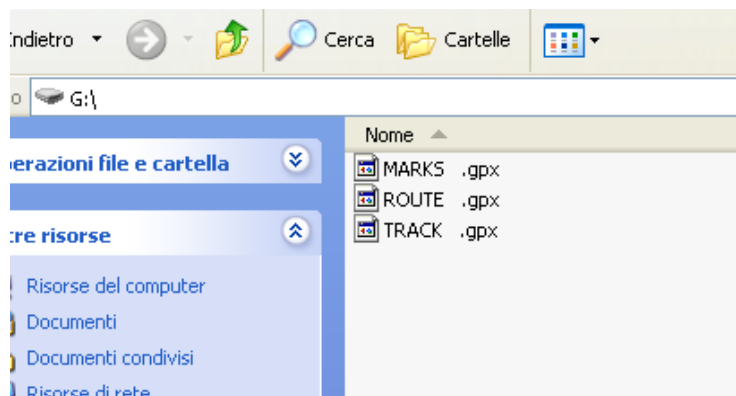




You should now find in your folder the files in .GPX format.

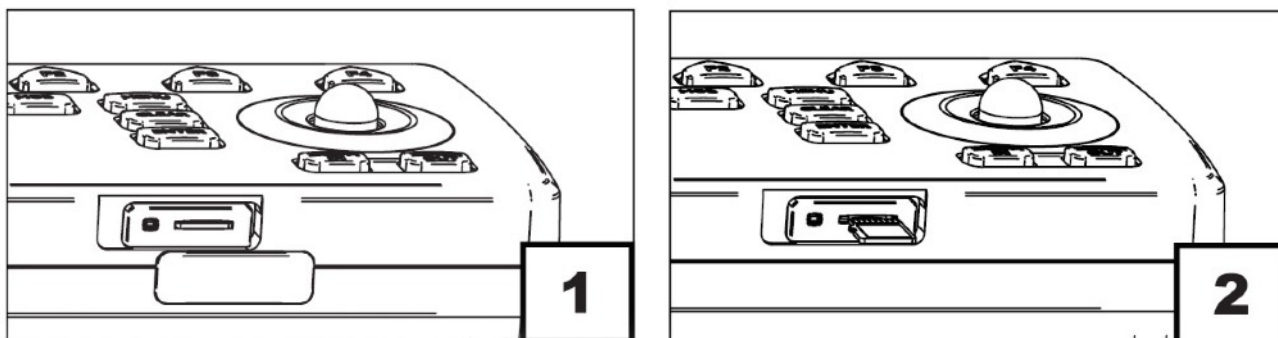


9. Insert the microSD card in the PC Card reader. Copy and paste here the .GPX files (they must be copied into the main root of the card).

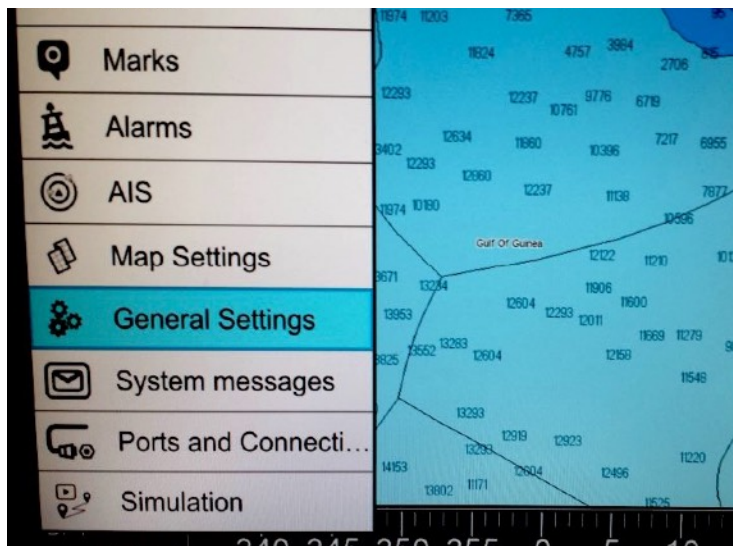


4. Importing data to Explorer 23

1. Remove the map cartridge from Explorer 23 and insert the micro SD where you have saved the .GPX files.

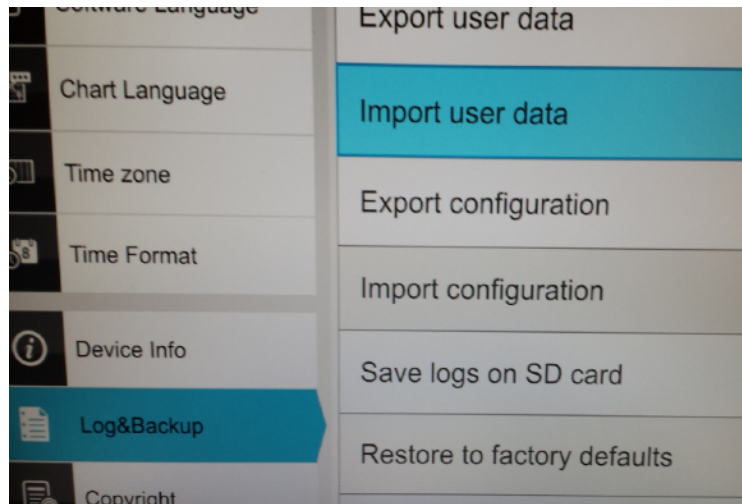


2. Power on the Explorer 23. Press MENU and select **General Settings**.

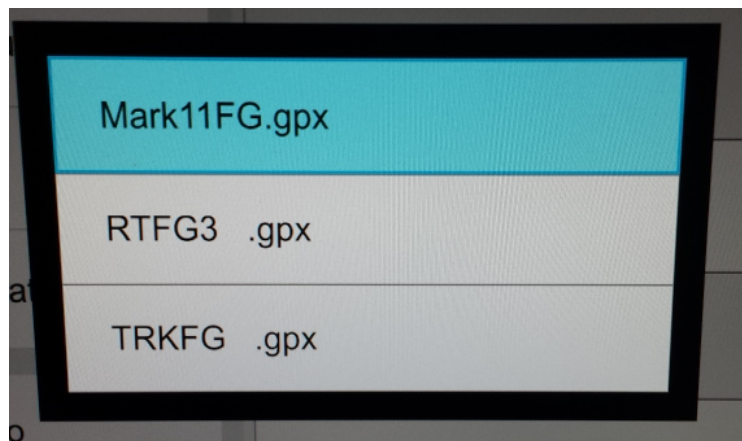




3. Select **Log&Backup** and then **Import Userdata**.



4. A pop-up will appear. Select the first file, press **ENTER** and wait for the confirm message. Repeat the procedure for each file.





5. Troubleshooting

AN ERROR MESSAGE APPEARS AFTER THE IMPORT

1. Extract the micro SD card from the Explorer and insert it again into the PC.
2. You need modify the .GPX files one by one. Open each .GPX file with Notepad++.
3. On each .GPX file you have to delete the first line.

```
1 <?xml version="1.0" encoding="UTF-8" standalone="no" ?>
2 <gpx version="1.1" creator="XML Convert - http://www.avmap.it" xmlns:xsi="http://www.w3
3 <time>2016-10-06T09:31:50Z</time>
4 <bounds minlat="42.970962402" minlon="9.212390625" maxlat="43.766175237" maxlon="10.3018
5 <wpt lat="43.408151410" lon="10.098570721">
6 <name>MRK001 </name>
7 <sym>Point</sym>
8 </wpt>
9 <wpt lat="43.213573493" lon="10.196132903">
10 <name>MRK002 </name>
11 <sym>Point</sym>
12 </wpt>
13 <wpt lat="42.970962402" lon="10.301824519">
14 <name>MRK003 </name>
15 <sym>Point</sym>
16 </wpt>
17 <wpt lat="42.970962402" lon="9.903446355">
18 <name>MRK004 </name>
19 <sym>Point</sym>
20 </wpt>
```





4. And clear the empty line left (line 2 becomes line 1).

```
1 <gpx version="1.1" creator="XML Convert - http://www.avmap.it" xmlns:xsi="http://www.w3.org/2001/XMLSchema-in
2 <time>2016-10-06T09:31:50Z</time>
3 <bounds minlat="42.970962402" minlon="9.212390625" maxlat="43.766175237" maxlon="10.301824519"/>
4 <wpt lat="43.408151410" lon="10.098570721">
5 <name>MRK001 </name>
6 <sym>Point</sym>
7 </wpt>
8 <wpt lat="43.213573493" lon="10.196132903">
9 <name>MRK002 </name>
10 <sym>Point</sym>
11 </wpt>
12 <wpt lat="42.970962402" lon="10.301824519">
13 <name>MRK003 </name>
14 <sym>Point</sym>
15 </wpt>
16 <wpt lat="42.970962402" lon="9.903446355">
17 <name>MRK004 </name>
18 <sym>Point</sym>
19 </wpt>
20 <wpt lat="43.260802882" lon="9.505077174">
21 <name>MRK005 </name>
22 <sym>Point</sym>
23 </wpt>
24 <wpt lat="43.478745441" lon="9.399385557">
25 <name>MRK006 </name>
26 <sym>Point</sym>
27 </wpt>
28 <wpt lat="43.766175237" lon="9.399385557">
29 <name>MRK007 </name>
30 <sym>Point</sym>
31 </wpt>
32 <wpt lat="43.766175237" lon="9.602630373">
33 <name>MRK008 </name>
34 <sym>Point</sym>
```

5. Save the file.

6. Repeat the procedure for each file. Try again to import the files into the Explorer 23.