



XCTRACK

INSTALLING WAYPOINT FILES & AIRPACES
UPLOADING IGC FILES

[ABOUT XCTRACK](#) | [SETTING UP WAYPOINTS](#) | [SETTING UP CYLINDER AIRSPACES](#)

[WHAT TO EXPECT IN FLIGHT](#) | [UPLOADING YOUR IGC FILE](#)

ABOUT XCTRack



[XCTRack](#) is a full featured flight computer for paraglider pilots - both for free flying and competitions. XCTRack is closely related to XContest and developed by the XContest team.

XCTRack is a powerful flight computer that integrates airspace, waypoint files and offline maps. It has customizable screens that allow you easily see whatever data you want (map view, side view, etc.). This also logs your flights and generates the required IGC files needed for the Turnpoint Challenge.

What is cool is that you can download the app for free and it has everything that you need. There are no other addons that you need to purchase.

[XCTRack Help Manual](#)

WAYPOINT FILES

Waypoint files are common file formats for a lot of flight instruments.

Waypoint files work very well in XCTrack, if you are happy to create a task. There is no easy way to set a default cylinder around waypoints without doing it 1 waypoint at a time which is tedious to say the very least!!

Because of this limitation I'd recommend the cylinder airspace file format instead of the waypoint file OR a combination of both.

I say this as the waypoint file has the waypoint names in it that show on your maps but no cylinders, whilst the cylinder airspace file has the cylinders but no waypoint names

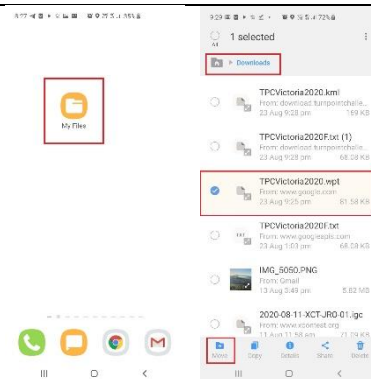
From your computer: I generally download the waypoint file then email it to myself so I receive it on my phone. The turnpoint challenge waypoint files can be found in the Challenge you are wanting to participate in.

Alternatively, you can access the turnpointchallenge.com.au website from your phone and download the waypoint file from the relevant challenge.

The steps below assume you have managed to get the waypoint file into your /downloads directory on your android phone.

STEP 1

Use the file manager option on your phone to locate the waypoint file in your /downloads file
Hold down your finger on the file and the menu options to move the file should appear.
Click on MOVE



STEP 2

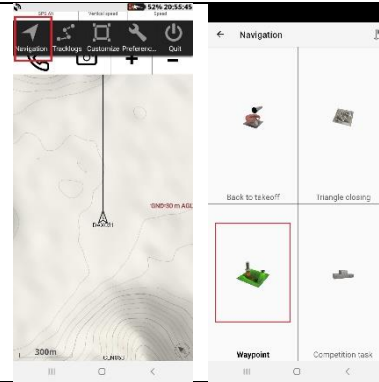
Navigate to XCTrack's Waypoint directory.
It will probably be /internal storage/XC
Track/Waypoints
Once there click on 'Move Here' button in bottom
right hand side of the File Manager app (it's hard to
see)



STEP 3

Open XC Track and pick Navigation from the menu at the top of the screen (drag your finger down the screen to access the menu)

Choose Waypoints from the Navigation main menu



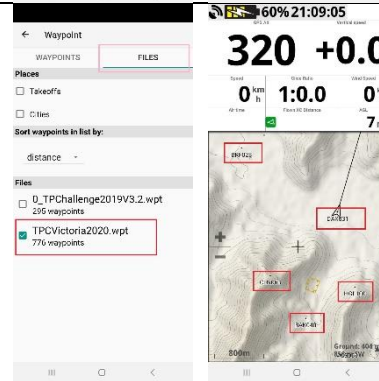
STEP 4

Navigate to the FILES tab and select the wpt file you want to activate

The waypoints will now show up on any of the XCTrack maps.

NOTE : These waypoints do NOT have cylinders drawn around them. To do that you have to create a Competition task.

This [link](#) will explain how to do this.



SETTING UP CYLINDER AIRSPACE FILES

A 'Cylinder' airspace file is just a normal airspace file with all of the airspaces in it classified as type F airspace. It should not interfere with any of the normal airport/aircraft airspace files you use, unless of course you can only have 1 airspace file at a time on your equipment. In this situation you may need to merge your airspace files.

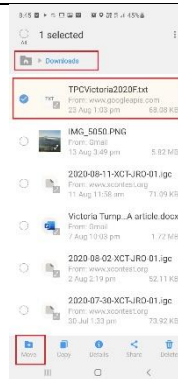
Airspace files are usually used to designate controlled airspace and show things like landing and no landing areas. We developed the Turnpoint Challenge Cylinder Airspace file for older instruments or instruments that do not handle waypoint files as well.

From your computer: I generally download the Cylinder Airspace file then email it to myself so I receive it on my phone. The Turnpoint Challenge Cylinder Airspace files can be found on the page of the challenge you are participating in.

The steps below assume you have managed to get the waypoint file into your /downloads directory on your android phone.

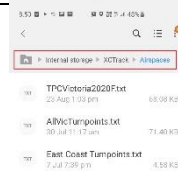
STEP 1

Use the file manager option on your phone to locate the waypoint file in your /downloads file. Hold down your finger on the file and the menu options to move the file should appear. Click on MOVE



STEP 2

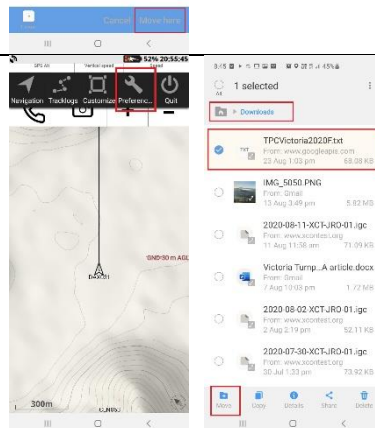
Navigate to XCTrack's Airspaces directory. It will probably be /internal storage/XC Track/Airspaces. Once there click on 'Move Here' button in bottom right hand side of the File Manager app (it's hard to see)



STEP 3

Open XC Track and pick Preferences from the menu at the top of the screen (drag your finger down the screen to access the menu)

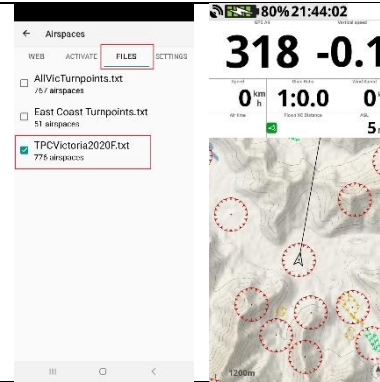
Choose Airspaces from the Navigation main menu



STEP 4

Navigate to the FILES tab and select the airspace file you want to activate

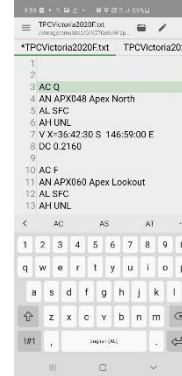
The turnpoints will now show up on any of the XCTrack maps as neatly drawn cylinders.



STEP 7

To change the colour of the cylinders airspaces you need to edit the airspace file that you put into the /xc track/airspaces file.

If you want to change the colour of a turnpoint you have hit then change the code AC F to AC Q and the turnpoint will turn orange



WHAT TO EXPECT IN FLIGHT

Waypoints

When flying with your waypoint file loaded in flight mode you will see your position approaching a waypoint. If you have set up the cylinders then as you hit the cylinder it will change colour and alert you that you have tagged the turnpoint.

REMEMBER - You don't have to touch the waypoint just the edge of the turnpoint cylinder

Airspaces

When flying with airspace the warnings popup to say you are approaching airspace. These may be able to be managed in the airspace settings.

UPLOADING YOUR IGC FILE

After the flight it is important that you upload the IGC file into the Turnpoint Challenge Website. To do this I normally upload my tracklog from the /XCTrack/Tracklogs directory to the turnpointchallenge.com.au website.