



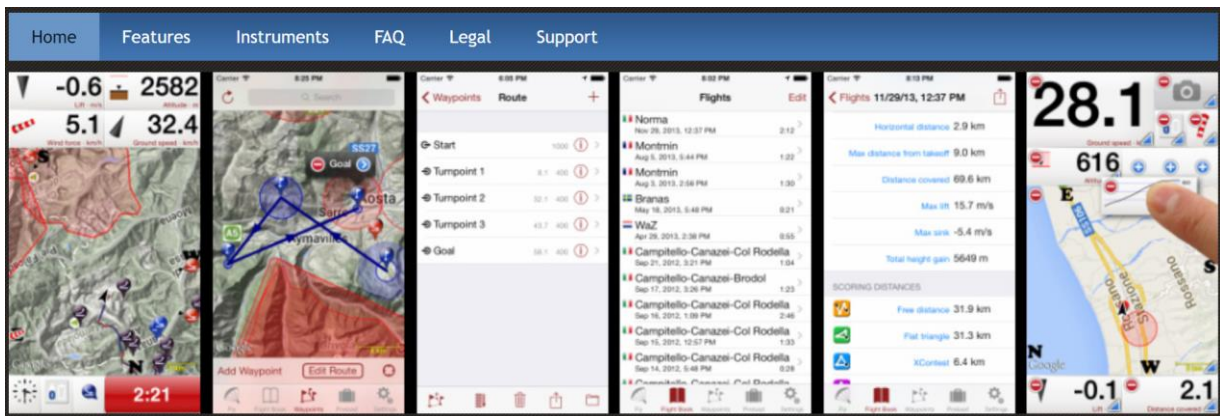
# FLYSKYHY

## INSTALLING WAYPOINT FILES & AIRPACES UPLOADING IGC FILES

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

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

## ABOUT FLYSKYHY



The [FlySkyHy](#) app is similar to XCSoar and XCtrack on Android, but for iPhone. In my opinion it is the best of all of them at this stage for the Turnpoint Challenge. Flyskyhy 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. This gives you the basics but for XC and the Turnpoint Challenge you need to get the In-App Purchases including Airspaces, Waypoints



Gavin McClurg (USA 1) seen during the Red Bull X-Alps, Day 10, France

and the XC-Package. These are around \$13 each. So for under \$40 you get an extremely powerful flight computer that rivals the best instruments. It is updated regularly and is no additional weight so great for hike and fly. See Gavin McClug's flight deck using flyskyhy during the x-alps in the photo.

Generally, pilots will also purchase a Bluetooth vario that links to FlySkyHy on the iPhone to improve the performance of the vario. [BlueflyVario](#), [XC Tracer](#) and [SkyDrop](#) are popular options. The Bluefly Vario is the

least expensive at around \$100. These Varios can also be used stand alone which can be useful if you don't want to get your whole flight deck out.

I highly recommend you watch Tim Penteach's video walkthroughs which will help your overall understanding of FlySkyHy. These are a little dated now but still very relevant.

<https://www.youtube.com/watch?v=VDcEm7sZCSw>

<https://www.youtube.com/watch?v=TZAXRStiYMM>

# WAYPOINT FILES

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

Waypoint files work very well in FlySkyHy so my preference is to use these.

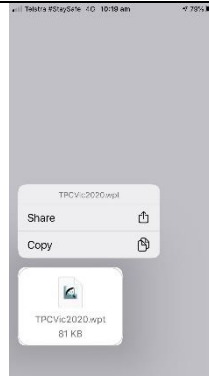
You need to ensure you have FlySkyHy and the In-App Waypoint add-in is installed.

From your computer: I generally download the waypoint file then email it to myself so I receive it on my phone. The TPC Waypoint files for the Victoria 2020 challenge can be found on the website [here](#).

---

## STEP 1

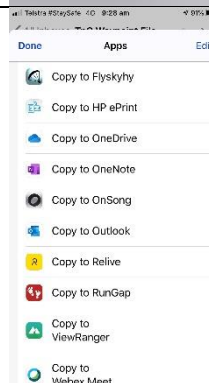
Open the email and long press on the attachment.  
Select the Share option



---

## STEP 2

You will need to scroll across to select the "More" option then scroll down and select the Copy to FlySkyHy



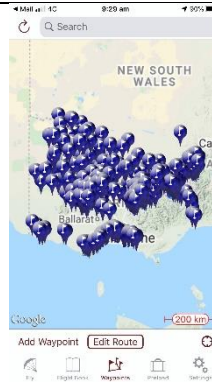
---

## STEP 3

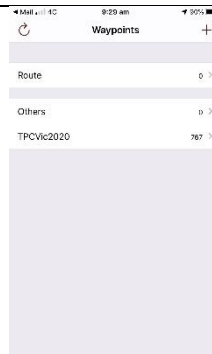
When the Import waypoints selection comes up I generally select "New Waypoints Group"



STEP 4  
Waypoints will appear and can now be used.



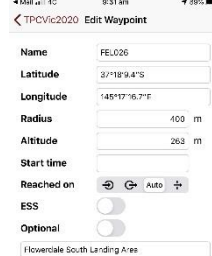
STEP 5  
To View the waypoint details, select the loop arrow in the top left of the screen.  
There will be a group that looks like "TPCVictoria2020".  
Select that group.



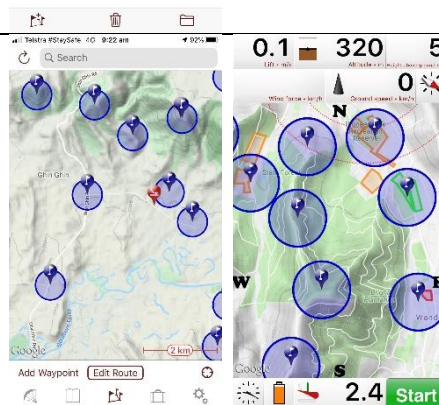
STEP 6  
You will see the list of the waypoints, their name and the cylinder radius.  
For the Victoria 2020 Challenge these are all set to 400m.



STEP 7  
If you click on one you see the detail and the settings.  
A detail overview of these settings can be found [here](#).



STEP 8  
Waypoints can be viewed in the Waypoints screen and will show up in flight.



# 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.

You need to ensure you have FlySkyHy and the In-App Airspace add-in is installed.

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 for the Victoria 2020 challenge can be found on the website [here](#).

---

## STEP 1

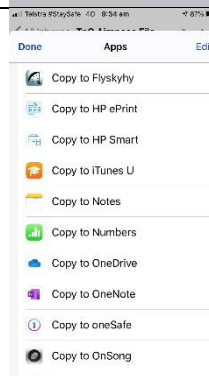
Open the email and long press on the attachment.  
Select the Share option



---

## STEP 2

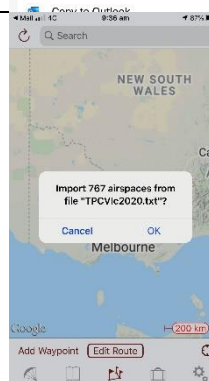
You will need to scroll across to select the "More" option then scroll down and select the Copy to FlySkyHy



---

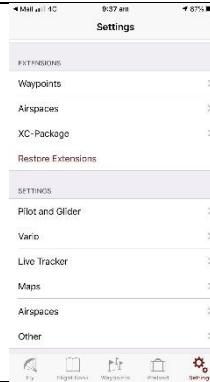
## STEP 3

The import airspace popup should appear in FlySkyHy. (the airspace file may be slightly different to the screenshot shown here)  
Select Ok



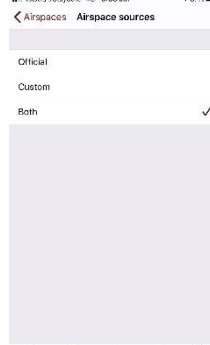
#### STEP 4

Airspaces are imported as Custom Airspaces. Go into Settings Airspaces (the bottom one) and Airspace Sources.



#### STEP 5

Choose Both



#### STEP 6

Airspaces will show on the map in the waypoint screen and on the flight screen.



#### STEP 7

To change the colour of the airspaces you need to go into Airspace Classes. The waypoint Airspaces are shown as Class G airspace so select that option.



#### STEP 8

Change the colour and settings as required



# WHAT TO EXPECT IN FLIGHT

## Waypoints

When flying with your waypoint file loaded in flight mode you will see your position approaching a waypoint.

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

When you hit this the cylinder turns grey so you know you have touched it.

## Airspaces

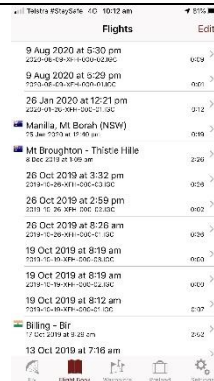
When flying with airspace the warnings popup to say you are approaching airspace. These can be managed in the Class F settings.

# 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 email the file to my computer and upload it from there.

## STEP 1

Go into flight book from the menu. Select the file you wish to send



## STEP 2

Select the send icon in the top right



## STEP 3

Then select send by email.  
Send to your computer and upload the file from [here](#)

