



## FLIGHT LOG

This button shows the current Flight Log if a flight plan is active. The Waypoints, Distances, current Ground Speed and Desired Magnetic Track are displayed, as well as ETE - Lapse Time and ETA - Arrival Time.

The Totals of your Distance and Flight Time are shown beneath.

In flight, the Flight Log, under Airspace Details, also tells you which Airspace you are currently IN, which Airspace you are LEAVING and which Airspace you are ENTERING. It also provides the Vertical Limits of the airspace as well as the Radio Frequency for that Airspace.

For quick reference or reporting purposes, the CURRENT POSITION as well as UTC time are also displayed in this window. A helpful aid in flight is your VFR POSITION in relation to other prominent VFR reporting points: e.g. "2nm SW of Monte Casino". You have the choice of various reporting points nearest to your current position. The Flight Time timer starts when the activation speed is reached and stops when the aircraft comes to a halt.

NOTE: Once you close the Flight Plan or EasyCockpit, the Flight Log details are set to default of Zero. Your Flight Log is automatically saved and can be accessed under Manage Flight Logs & Tracks. (see Page 15)



## DIRECT TO

- this function allows the user to make **quick** changes to the flight plan if, for example, a diversion to a closer point is required, if a waypoint is skipped, if a new point has to be added and diverted to, if an alternate airfield has to be entered, or if a more Direct Route is selected.

When selecting Direct To, a menu displays the **Waypoints (WP)** in the flight plan which can be selected to skip waypoints. The menu also shows **nearby airports**, should a closer alternate or emergency airfield be required, as well as **nearby Nav aids**. The distance and bearing to these points are also displayed.

A tap on the **Next WP** button will jump to the next waypoint on the flight plan.

Tap the **Find Airport** button to select an alternate airport or **Find Other** waypoints to select a Navaid or point not shown in the NEARBY listing. A menu will pop up which will give you the option of a DIRECT DIVERT (select *None-Direct Divert*) to the new point, cancel all following points and generate a new temporary Flight Plan from the Current position to the newly selected point. **OR** select a point from the remaining waypoints in your current flight plan which is to FOLLOW the NEW Direct-To Waypoint. This will add the new *Direct-To* Waypoint (DT-F), which indicates the position at which the Direct-To was initiated, to the current flight plan and takes out the points that are bypassed, based on your selection.

These changes in the Direct-To function create temporary flight plans. The original flight plan can always be accessed again by Clearing the current FPL, then loading the original FPL.

Waypt	Dist	GS	DTK	ETE	ETA
FAKR					
FASlv	30,1	0	344°	00:24	23:18
Totals	30,1			00:24	

AIRSPACE DETAILS	
JHB Special Rules West	
GND-7600FT 125.80 Inside	

CURRENT POSITION	
VFR	1,2nm NNE Monte Casino
Latitude	S 26° 00' 26"
Longitude	E 028° 01' 25"
Time	22:54 UTC
Flight Time	00:00:00

NAV STATS	
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Flight Plan WayPoints	
FAEagle	6nm 025° ⓘ >
FASlv	30nm 312° ⓘ >

Other Waypoints	
Tap to find other waypoints...	

Nearby Airfields	
Hel4ways	2nm 278° ⓘ >
HelCent	2nm 013° ⓘ >
HelCamp	2nm 196° ⓘ >



## MOVE TO

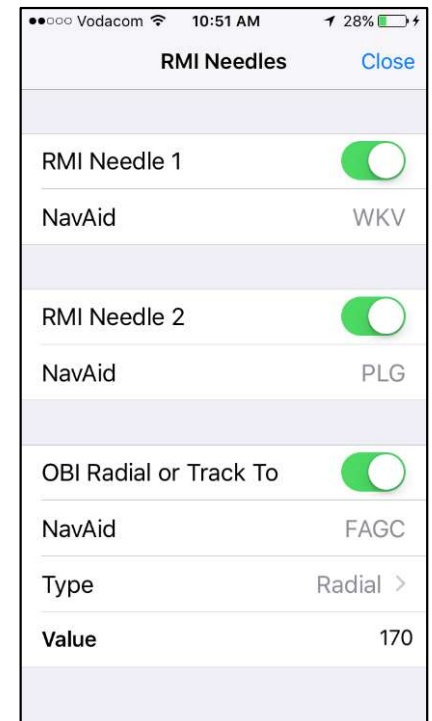
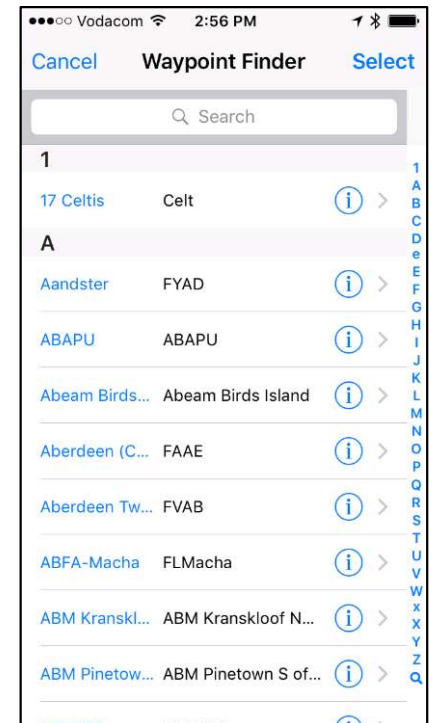
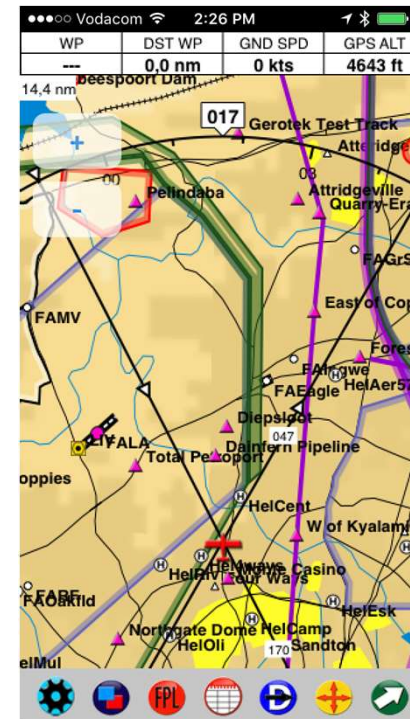
This function enables you to relocate the centre of the map to a specific point. Tap the button to open the Search window and select a point from the database to move to. You can search by starting to type the name or ICAO location indicator. Select the point and Use this button to look at another airport or see the destination airfield which is off the map. To get back to current position - tap EXIT PAN.



## RMI NEEDLES & OBI RADIAL

With the RMI function, one or two points can be selected, either waypoints, navaids or airfields, to which the RMI needles will point to provide a bearing. Tap the icon - check Needle 1 and/or 2 and select relevant points.

In this menu you also have the option to set up an OBI Radial or Track To. The radial can be selected to be displayed from any waypoint, navaid or airfield. A feature of this could be to **assist** in joining on Final for a runway for landing by inserting the Runway direction, that means it creates an extended centreline.





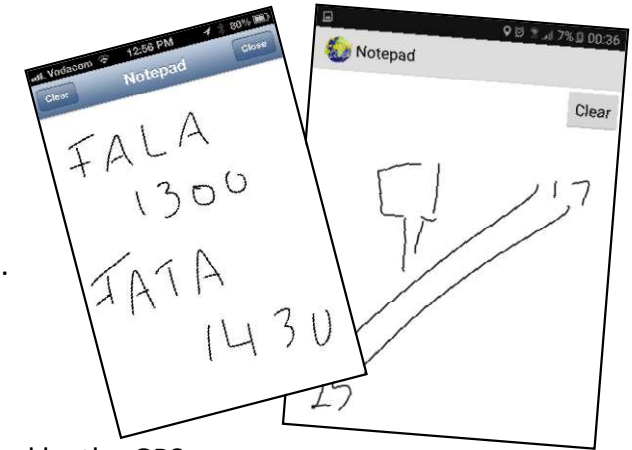
### TOOLS : NOTEPAD

This Touch Interface makes it possible to jot down notes or capture information or instructions from e.g. Air Traffic Controllers.

In the iOS version, the Notepad icon is only visible in landscape mode, due to space constraints.

In portrait mode it can be accessed in the "Tools" NotePad menu.

NB: Notes on the NotePad page are not saved, once the screen is cleared, or when EasyCockpit is closed.



### TROUBLE SHOOTING & TIPS

"Q" I am standing on the ground, but EasyCockpit says I am at 300ft

"A" The AGL output is not a precise value like you would get from an altimeter. Its accuracy is constrained by the GPS accuracy particularly in terms of vertical accuracy which is typically less accurate than the horizontal position reported by the GPS. So there could be for example a difference of 30m between the GPS's reported altitude and the actual altitude.

The second source of inaccuracy for the AGL output in EasyCockpit is that the Digital Elevation Model (DEM) which we use as the source of the ground altitude is based on a 1x1km grid.

To calculate the AGL value we subtract the GPS altitude from the ground altitude that we have in the DEM

"Q" I do not get a GPS fix on EasyCockpit:

"A" Only iPads with 3G do have the built-in GPS, other models have to use an external GPS receiver.

First, check if your Location Services are ON: iPad/iPhone - Settings - **Privacy**

Location Services need to be 'ALWAYS ON'

Then also check on the different Apps installed, if the Location is ON for EasyCockpit.

Tip: If you Select Airplane Mode ON for a few seconds, then on OFF again, this will reset your GPS.

Please note that with older devices the on-board A-GPS might not always be reliable in the air. It has a tendency to drop offline, especially when switching between apps or when the iPad goes to sleep.

**Flight log bouncing:** restart the device

**'name resolution failure'**, which is a network/dns issue in converting a name like [licensing.aviationdirect.co.za](http://licensing.aviationdirect.co.za) to an ip address.

So reinstalling EasyCockpit won't help. **Try changing networks, e.g. from 3g to WiFi or vice versa or reboot the device.**



## TROUBLE SHOOTING & TIPS

### UPDATING YOUR EASYCOCKPIT

We are regularly updating the Navigation data for EasyCockpit and periodically introduce new features. To inform you about Updates we will send an email with details on the changes. Your App Store icon will also show if there are 'App Updates available'.

If your subscription is valid, you just need to download and install the new version. It will replace the previous version.

You App might also automatically update to the new version, depending on your device settings.

If your subscription has expired (after 1 year), you need to renew. Details regarding subscription renewals can be found on our website:

[www.aviationdirect.co.za](http://www.aviationdirect.co.za). You will receive a warning about the expiry when you open EasyCockpit.

After we have renewed your subscription, you need to tap "Update Subscription Info" under Settings & Tools - Licensing, to reset the date.

### TIPS : CLOSING APPs

Multitasking on the iPhone means you can use various apps . Prior to iOS 4, apps would close automatically after a certain period, when leaving the app by pressing the Home button. Now when you select the Home button, the apps go into suspended or background state where some apps (like TomTom, Maps, Skype or Music) keep on running, also depleting battery life.

EasyCockpit will keep on running in the background while you have the opportunity to open other apps, and will carry on when you go back to the app. However, once a flight is completed, you need to CLOSE the app (EasyCockpit) in order to re-set Flight time, close a Flight Plan and Flight Log, and save Battery Life.

The Fast App Switcher, or hidden dock, is a new task bar that slides up from the bottom of the screen when you double tap the Home button. The new dock doesn't just list your background state apps that are actually running but contains ALL the apps you've opened no matter which state: closed, suspended, or background.

The apps are ordered left to right by most recently used, so you have quick access to the apps you use most.

Swipe up the Apps you would like to CLOSE.

You can lock the screen in the orientation of your choice, so it doesn't accidentally rotate.

On iOS Apple device, Double click the HOME button to open the multi-tasking bar and slide to the right.

Here you can tap the Rotation Lock to the ON or OFF position.

On Android, slide down the Toolbar on the Home screen and tap on "Auto rotate" to deactivate/activate

New upgrades and new phones/tablets bring changes and new features. You need to keep up-to-date with those.

