

# QUICK REFERENCE

# IFD440

FMS/GPS/NAV/COM



# AVIDYNE™

# Overview Diagram



- |          |   |           |                   |
|----------|---|-----------|-------------------|
| <b>1</b> | Volume/Power/Squelch Knob                                 | <b>8</b>  | Enter (select)    |
| <b>2</b> | Frequency Swap (flip-flop)                                | <b>9</b>  | Procedure         |
| <b>3</b> | Line Select Keys (LSK)                                    | <b>10</b> | Direct To         |
| <b>4</b> | COM/NAV Manual Tuning Knob (Push for NAV & Transponder)   | <b>11</b> | CDI Nav Source    |
| <b>5</b> | Page Function Keys (two-way rocker) FMS, MAP, AUX         | <b>12</b> | Active Waypoint   |
| <b>6</b> | FMS Knob (context-sensitive: scroll, zoom/push to select) | <b>13</b> | Standby Frequency |
| <b>7</b> | Clear (delete)  | <b>14</b> | Active Frequency  |

**i** To move your cursor, either:

1. Turn the **6** FMS knob (the outer ring scrolls through each box, whereas the inner ring scrolls through the fields of each box), or
2. Utilize hybrid touch by tapping the screen on a waypoint or in the blank space between waypoints.

**i** To start an FMS edit, either:

1. Press the **8** ENT key,
2. Push the **6** bottom right knob, or
3. Tap the screen in the same field twice.

# FMS Flight Plan Introduction FPL TAB



- 1
- 2
- 3

Following power-on, the first time the "FPL" tab of the FMS page is accessed, an empty flight plan page is presented with the origin waypoint pre-populated.

We recommend to tap the "Map" side tab to view the moving Map display while entering your flight plan.

The origin will be the closest airport to the current GPS position, or the airport from the previous power down if GPS position has not locked on yet.

**i** This FMS uses a database of published airways to quickly build long flight plans. *Here's how: When a flight plan waypoint is a valid airway entry point, a dropdown list of available airways appears. Scroll to the desired exit point, and all intermediate intersections along that airway are automatically populated into the flight plan.*

# Inserting a Waypoint FPL TAB



- 1
- 2
- 3

To add a waypoint to your flightplan, tap the empty space where your cursor is below 'Origin.' The IFD will present a new waypoint with a suggested identifier (powered by Geofill™).

Use the right knobs or tap the identifier to display the QWERTY keyboard in order to enter the waypoint identifier.

Push the right knob, press ENTR, or tap the ENTR key on the QWERTY keyboard to enter the new waypoint into the flight plan.

## Direct-To Operation FPL TAB



- 1
- 2
- 3

Press the Direct-To button to display a green Direct-To dialog box pre-populated with a logical waypoint (powered by Geofill™).

To enter a different waypoint, tap the data field in the top dialog box. The QWERTY keyboard appears for you to enter the desired waypoint identifier.

To approve, tap the 'Activate' dialog box to select. Pressing ENTR or the right knob can also be used to confirm.

## Selecting an Approach FPL TAB



- 1
- 2

To display the Approach field of the next destination, press the "PROC" Function key.\* This will display a dropdown list of available published approaches.

To select the desired Approach, twist the FMS knob to scroll, then push to select, or tap the highlighted selection.

**i** \*Pressing the "PROC" Function key a second time will move the cursor over the Arrival field and present a drop down list of available published arrivals. Each subsequent press of the "PROC" key will step through all following destination airfield approaches/arrivals in the flight plan, and wrap back around to the origin. When the drop down box appears over the intended data field, tap the desired procedure to add to the flight plan.

## Selecting a Departure FPL TAB



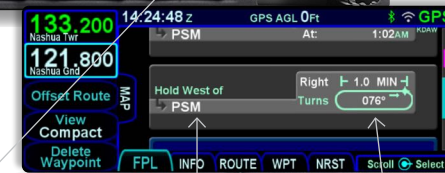
- 1 Origin  
KMLB
- 2 Departure
- 3 - KMLB D  
MLB5

To begin the process of selecting a departure procedure, tap on the Origin box to select. A 'Departure' field will appear.

Tap the 'Departure' field. A dropdown list of available departure procedures will be displayed.

Select a departure procedure and push ENTR.

## Entering a Hold FPL TAB



- 1 PSM
- 2 Waypoint  
Hold at PS
- 3 Hold West  
PSM  
Cross
- 4 1.0 MIN  
076°

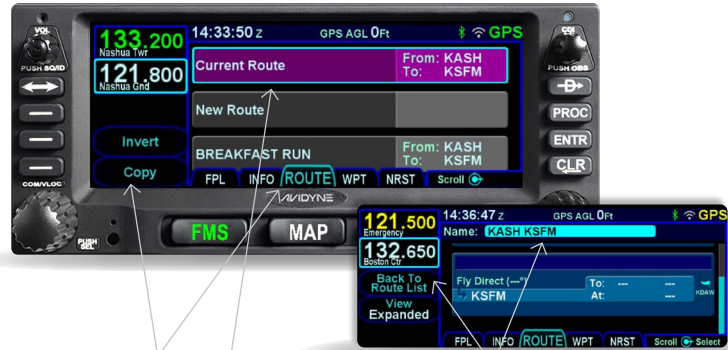
To enter a hold, tap below the waypoint of interest to display a drop down list of options.

Near the top of the list, select "Hold at <waypoint name>" and push the FMS knob to select.

A holding pattern is added to the flight plan, populated with either standard or published hold data.

To edit the hold, hide the map, then touch the field to be edited (turn direction, leg length, inbound course).

## Saving the Flight Plan **ROUTE**TAB



- 1
- 2
- 3
- 4

Once you have entered a Flight Plan that you would like to save for future use go to the route tab on the FMS page.

Highlight current route then select Copy in the bottom left of the screen.

You have now saved the Flight Plan as a route for future use.

Select 'Back to Route List.' The route will now be one of your saved route selections.

## Activate a Stored Route **ROUTE**TAB



- 1
- 2

To activate a route from the stored routes or list, tap the desired route to select.

To activate, press the "Activate Route" LSK or touch-screen button.



## COM Radio Tuning

Radio Tuning can be accomplished through 3 different methods.



1 Twist the COM/NAV knob. Use the inner knob to adjust KHz and the outer knob to adjust MHz.

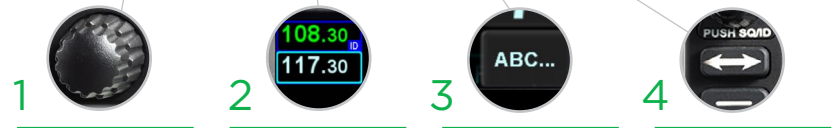
2 After twisting the COM/NAV knob you may also select your desired frequency from the list.

3 Touch the standby frequency field to display the numeric keypad. Then enter the desired frequency.

4 Activate the frequency. Once the desired frequency has been tuned in to the standby, press the flip-flop button to make it the active frequency.

## NAV Tuning

Nav radio tuning can be accomplished through 3 different methods.



1 Use the COM/NAV knob. Push the knob to display NAV frequencies. Then, twist the inner knob to adjust KHz and the outer knob to adjust MHz.

2 Touch the standby frequency field to display the numeric keypad. Enter the desired frequency.

3 Touch the standby frequency, then "ABC..." to display the QWERTY keyboard. Type the identifier of the VOR (powered by GeoFill™).

4 Activate the frequency. Once the desired frequency has been tuned in to the standby, press the flip-flop button to make it the active frequency.



The Emergency COM Frequency, 121.5 kHz, can be quickly tuned into the Active com slot by pressing and holding flip-flop button for approximately three (3) seconds.

## Decluttering the Map MAP TAB:



To select the preferred level of map feature density, press the "Land" and/or "Nav" LSK or on-screen buttons. The specified level of detail will remain consistent across all map pages.



For Tech Support and Training information, see back cover.

## IFD100 iPad App

Avidyne IFDs are the only GPS Navigators in GA offering both built-in Bluetooth® and Wifi. With that, all of our IFDs offer a Wifi connection to Apple iPads® with the Avidyne IFD100 iPad® app. This app doesn't just mirror the functions of your IFD, but acts as an additional instance of an IFD.



Download the FREE IFD100 companion app from the App Store.

[Search 'Avidyne IFD100'](#)



**PILOT SUPPORT**

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**PILOT TRAINING**

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