

Section 6

Quick Start Tutorial



1. Begin by reading the Chelton EFIS Supplement in your aircraft's Flight Manual. Pay special attention to the Emergency, Abnormal, and Normal Procedures sections (which are included in the Appendix of this guide for reference).



2. Power up the EFIS. The system will perform a built-in test routine. If all tests are passed, the system will display a screen identifying the database coverage. Press any button to acknowledge and the system will begin a two-minute countdown while awaiting sensor initialization (for the purposes of flight planning, etc., this countdown can be overridden by pressing any button).

NOTE:

Allow the system to initialize for 90 seconds before taxiing to ensure proper initialization of the AHRS.



RIGHT

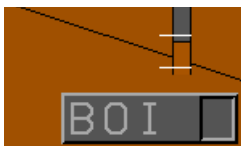
- Note that the altimeter is adjusted automatically on startup based on the touchdown zone elevation of the nearest runway. If necessary, adjust the setting by turning the right-hand control knob on the display. The altimeter setting will be displayed immediately below the altitude readout on the PFD. Push the knob to enter the setting.



- Push the **Direct-To** button to enter a destination.



- Use the control knob (turn to select, push to enter), to enter the desired waypoint.



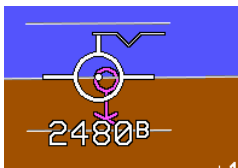
For example: To enter the Boise airport, turn to select “**B**” then push to enter; turn to select “**O**” then enter; turn to select “**I**” then enter. **Push two more times to step through the last two character spaces** (the leading “**K**” identifier may be entered but is not required). An exact match will be accepted and entered automatically.



If there is no exact match, a list of potential matches will be displayed.



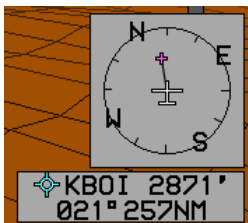
- Turn control knob to select the desired waypoint, then push to enter.



7. A route to the selected waypoint will be activated. The active waypoint will be shown as a tethered balloon on the PFD screen.



A magenta bearing to waypoint symbol will be displayed on the directional scale. If the bearing to the waypoint is beyond the limits of the directional scale, a magenta arrow on the scale will indicate the closest direction to turn.



The waypoint information, indicating waypoint type and identifier, elevation or crossing altitude, and bearing and distance, will be displayed immediately below the MiniMap.



Airspeed is on the left, altitude is on the right, heading is across the top, and a GPS/WAAS CDI is at the bottom. VSI is to the right of the altitude tape.



PUSH

8. Push the control knob to step through the screens on the MFD as follows:

ND → reversionary PFD → engine display (if available) → ND

(Note: the PFD cannot be changed)



TURN

9. When on the moving map page, turn the control knob clockwise to increase scale and counter-clockwise to decrease scale (range is from 1 to 400 miles).

Now you should be familiar enough with the basic operation of your Chelton Flight Systems EFIS to navigate from point to point in VFR conditions and change from one display page to another. Please read this entire manual and fly with a Chelton Authorized Instructor to gain a detailed understanding of all system features.