

Terms in CAPS = Softkey label. Terms in [ ] = option to be selected.  
NEXT\* = Possible multiple presses. Varies with installed equipment.

## Flight Functions (from PFD screen)

**Change Altimeter Setting:** Turn Right Knob to adjust. Press knob to set.

**Heading Bug:** Turn Left Knob to adjust.

**Altitude Bug:** Press Right Knob > Turn knob to adjust > Press to set.  
(NOTE: If A/P is active, you will then select climb or descent rate.)

## PFD Display Options

**Dim Screen:** Press Left Knob > Turn knob to adjust > Press to set.

**Show PFD, MAP or Engine:** Press PFD, MAP or ENG softkey

**Show HSI/Change PFD Screen View:** Press PFD softkey repeatedly.

**PFD Terrain Warning Colors:** NEXT\* > SV [TERRAIN]

**(Training) Turn Off Synthetic Vision PFD features:** NEXT\* > SV [OFF]

**(Training) Disable PFD View Options:** NEXT\* > PFD LOCK [ON]

## Engine/Systems Display Features

**Reset Fuel Quantity:** From ENG page > Press Left Knob > Turn to select preset quantity -OR- Highlight ADJ > Press knob > Turn knob to enter custom quantity.

**Display Leaning Functions:** From ENG page > LEAN [LEAN]

**Change Data Display on ENG Page:** From ENG page > NEXT > DATA [choose data to show on screen]

**Set Time Frame for EGT/CHT Line Graphs:** (From ENG) > Press Right Knob [TIME] > Turn knob to set number of seconds

## Map, Flight Plans & Waypoints

**Zoom Map:** Press Left Knob > Turn knob

**Change Map Format/Layout:** Press MAP softkey repeatedly.

**View Radar, Terrain, Winds:** SHOW [choose]

**View Winds Aloft:** NEXT\* > WINDS > UP/DOWN chngs alt.- XM only

**Show Fixes & Intersections:** NEXT\* > FIX [choose]

**View Off-Screen Waypoints:** NEXT\* > SLEW

**Show Nearest:** NEXT\* > NEAR [choose]

**Direct-To:** (From MAP) > FLIGHT PLAN > ↻ > use letter keys to enter waypoint ID (Press Right Knob to move cursor) > EXIT to activate

**Direct-To from MAP:** Press Right Knob > Turn knob to select waypoint > ↻ > Press Right Knob > Turn Right Knob to USE MAP > Press knob to enter

**Multi-Leg Flight Plan:** (From MAP) > NEXT\* > FLIGHT PLAN > SEQ MODE > ADD > Use letter keys to enter waypoints. Press Right Knob [NEXT] to move cursor. Turn/Press Right Knob [ENTER]. Repeat until all waypoints are entered. EXIT to activate flight plan.

**Activate Leg:** Turn Right Knob to highlight last waypoint of leg. Press SET LEG to activate leg.

**Go Direct to a waypoint in a flight plan:** Highlight waypoint. Press GO DIRECT. EFIS skips waypoints in between, then resumes flight plan.

**View Details of waypoint on Flight Plan Screen:** Turn Right Knob to highlight waypoint in list. Press RIGHT KNOB twice.

**View Details of anything on MAP Screen:** Press Right Knob. Rotate knob to highlight item on map. Press WPT DETAILS softkey. *Shortcut:* Note data box on MAP screen for highlighted waypoints.

## VOR Navigation

**Select NAV Source:** (From PFD) > NAV MODE [GPS or NAV] (Choose GPS or NAV (VHF radios) wired into the EFIS.)

**Display VOR radial or Localizer on HSI or CDI:** Enter frequency into connected VHF nav radio. Press PFD > NAV MODE [NAV] to display on CDI. Press PFD repeatedly to bring up split-screen HSI view.

**Tune VOR OBS Course on HSI (PFD split screen):** Turn Right Knob.

**Tune VOR OBS Course on CDI (PFD full screen):** (From MAP) > Turn Right Knob. OBS setting is shown above knob.

## Approach Tasks

**Load Synthetic Approach (HITS Boxes):** Airport must be the active GPS waypoint. (From PFD) > NEXT\* > SAP [ARM] > EXIT. Turn & press Left Knob to select runway. Press EXECUTE when ready to intercept course.

**Set Approach Altitudes:** (From PFD) > NEXT \* > SET DA -or- SET MISSED ALT -or- SET PRESET ALT. Turn Right Knob to set altitude > Press Knob to enter. **WARNING: DA is advisory only. A/P does not level off at DA.** Repeat to SET MISSED ALT (missed approach holding altitude).

**Missed Approach (autopilot):** Press MISSED softkey to climb at runway heading ground track to preset MISSED (holding) altitude.

**Execute Approach (autopilot):** Press yellow EXECUTE softkey when cleared for approach to enable autopilot capture of approach course.

**Engage:** Turn on external switch servo power and ENGAGE/ DISENGAGE switch. A/P should hold present pitch and bank. **Press red S&L HOLD ALT & HDG for emergency straight & level flight. Press red 180° ALT HLD for an emergency 180° level turn to escape IMC.**

## Basic Autopilot Controls

**Heading Mode:** Set heading bug. (From PFD) > Press Right Knob > LAT A/P [HDG]

**Track GPS:** Set up in HDG mode. Enter & activate flight plan or direct-to. (From PFD) > Press Right Knob > LAT A/P [ENAV].

**Track VOR/LOC:** Set up in HDG mode. Enter frequency into connected VHF radio. Tune OBS Course. (From PFD) > NAV MODE [ENAV]. (From PFD) > Press Right Knob > LAT A/P [ENAV]

**Change altitude (optional Vertical Commands software):** (From PFD) > Press Right Knob > Turn knob to set Altitude Bug. Press RIGHT KNOB then SET CLIMB IAS/SET DESCENT RATE to climb or descend at the preset rate -OR- turn RIGHT KNOB to set custom speed/rate. Push RIGHT KNOB to activate climb/descent.

**External A/P (ie. TruTrak):** Set TruTrak mode to GPSS or GPSV. TruTrak will then follow commands from the above EFIS A/P controls.

## Miscellaneous Features

**Show Flight Director:** Press Right Knob twice > FLT DIR [ON]

**Access Setup Menu:** NEXT\* > SET MENU

**Record a Demo File to USB Stick (manual data logging):** NEXT\* > DEMO (configure settings in Set Menu > General Setup > DEMO Settings)

**(Training) Configure Softkey Timeout:** Setup Menu > General Setup > Initial Menu Timeout and Used Menu Timeout



www.grtavionics.com • (616) 245-7700

**Sport**  
Quick-Reference  
Pilot Card Rev. A