

Departures / Approaches

Select a DP

You must have an active route to select a DP

1. Press **ACTV**.
2. Turn control knob to highlight desired airport, push to enter.
3. Turn control knob to highlight **DP**, push to enter.
4. Turn control knob to highlight desired procedure, push to enter.
5. Turn control knob to highlight desired transition, push to enter.
6. Turn control knob to highlight desired runway, push to enter.

NOTE: Only Pilot Nav DP's are available.

Select an IFR Approach

You must have an active waypoint with IFR Procedures to activate an IFR Approach

1. Press **ACTV**.
2. Turn control knob to highlight landing airport, push to enter.
3. Turn control knob to highlight **IFR APPR**, push to enter.
4. Turn control knob to highlight desired approach, push to enter.
5. Turn control knob to highlight desired transition, push to enter.
6. Turn control knob to highlight desired runway, push to enter.

Missed Approach Arming

1. To arm the missed approach, select the **MISSED** menu displayed in the upper left corner upon passage of final approach fix (FAF). Select this by pressing the upper left hand button.
2. Enter required climb angle (ft/nm) from chart using **BUGS**, then **VNAV CDA**, then **CLMB ANG**. Turn control knob to set desired angle, push knob to enter.

Approaches / Track

Select a VFR Approach

You must have an active waypoint to select a VFR Approach.

1. Press **ACTV**.
2. Turn control knob to highlight landing airport or user waypoint, push knob to enter.
3. Turn control knob to highlight **VFR APPR**, push to enter.
4. Turn control knob to highlight desired runway, push to enter.

Change Runway During Approach

1. Press **ACTV**.
2. Turn control knob to highlight landing airport, push to enter.
3. Turn control knob to highlight **IFR APPR**, push to enter.
4. Turn control knob to highlight current approach, push to enter.
5. Turn control knob to highlight current transition, push to enter.
6. Turn control knob to highlight desired runway, push to enter.

Parallel Track Function

1. Press **ACTV**.
2. Select the **PKT** menu.
3. Turn control knob right or left to select desired offset distance in NM increments, push knob to enter.

To Turn Off Parallel Track

1. Press the **ACTV**.
2. Select the **PTK** menu.
3. Select the **OFF** menu.

Waypoints

Create a User Waypoint (MFD only)

1. Press **FLP**.
2. Turn control knob to highlight **CREATE/EDIT**, push to enter.
3. Turn control knob to highlight **CREATE USER WPT (LAT-LON)** or **(RAD-DST)** push to enter.
4. Turn control knob to select waypoint, push to enter.

Edit a User Waypoint (MFD only)

1. Press **FLP**.
2. Turn control knob to highlight **CREATE/EDIT** push to enter.
3. Turn control knob to highlight **EDIT USER WPT**, push to enter.
4. Turn control knob to highlight waypoint to be edited, push to enter.

Activate a Waypoint Within a Route

1. Press **ACTV**.
2. Turn control knob to select desired waypoint.
3. Press control knob to activate selected waypoint, or press **DIRECT TO** to go direct to the selected waypoint.

Approach Checklist

1. Approach - *Activated*.
2. Fixes and Altitudes - *Confirmed*.
3. Minimum Altitude - *Set*.
4. Approach speeds - *Set*.
5. HSI Source - *Set*.
6. OBS - *Set*.
7. Missed Menu - *Pressed at FAF*.

Autopilot Usage

Enroute and Non-precision approaches

1. Put autopilot in **HEADING** mode.
2. Activate a waypoint, flight plan, DP, STAR, approach, missed approach procedure, or manual GPS OBS. Use the **HDG** bug to override any of the above.

Precision Approaches

Follow steps 1 and 2 above then:

3. At the initial approach fix press **OBS**, then **HSI: NAV 1** or **HSI: NAV 2** as appropriate and, using the control knob set the OBS to the final approach course. Push the knob to enter.
4. On the inbound course, prior to the final approach fix, put the autopilot in **APPR** mode (or **NAV** mode if you do not have an **APPR** mode). The autopilot will then use the analog signals to fly the coupled approach.



Example of a typical approach sequence:

Autopilot is already in **Heading** mode from enroute legs.

- 1 20-30 miles out, get ATIS, set altimeter, enter approach and set minimum altitude bug.
- 2 Tune localizer frequency and set the HSI source. Set the OBS course.
- 3 Press the **APPR** (or **NAV**) button on the autopilot.
- 4 At the missed approach point, press the **Heading** button on the autopilot and initiate a climb to fly the missed.

Waypoints

Direct-To Waypoint

1. Press **D**.
2. Use control knob to enter identifier of desired waypoint. "K" is optional for airports. Push knob to step through the empty spaces.
3. If multiple options are listed, turn knob to select and push to enter.

Direct to Nearest

1. Press **NRST**.
2. Turn control knob, highlight choice of nearest airport, VOR, NDB, INT, or user waypoint, push to enter.

Re-Center on Direct Route

1. Press **D**.
2. Active waypoint will be displayed.
3. Press control knob to recenter course.

Add Waypoint to an Active Route

1. Press **ACTV**.
2. Turn control knob to location for new waypoint.
3. Select **INSERT..** or **ADD..** Menu.
4. Enter waypoint identifier using control knob.

Delete Waypoint from an Active Route

1. Press **ACTV**.
2. Turn control knob to highlight waypoint to delete.
3. Select **DELETE** Menu.
4. Push control knob to confirm.

Waypoints

Create User Waypoint at Current Location

1. Press **MENU**.
2. Select **DESIG**.
3. This will generate a user waypoint "on the fly" and will automatically assign an alphanumeric user waypoint identifier beginning with OF (for "overfly"). This can be edited later.

Flight Plans (Stored Routes)

Create New Flight Plan (MFD only)

1. Press **FPL**.
2. Turn control knob to highlight **CREATE-EDIT**, push to enter.
3. Turn control knob to highlight **CREATE NEW FLIGHT PLAN**, push to enter.
4. Using the **ADD..** menu button and control knob, enter the route waypoints from beginning to end. Press **SAVE-EXIT** when finished.
5. Turn the control knob to **EXIT TO EFIS**.

Activate Flight Plan

1. Press **FPL**.
2. Turn control knob to highlight **SELECT**, push to enter.
3. Turn control knob to highlight stored flight plan, push to enter.

Omnibearing Selector Function

Automatic OBS (GPS OBS only)

1. Press **OBS** then select **GPS**.
2. Press **AUTO**.

Manual OBS

1. Press **OBS**.
2. Choose desired HSI source (**NAV 1**, **NAV 2**, or **GPS**).
3. Turn control knob to select desired OBS course, push to enter.

Timer Functions

Flight Timer

1. Press **MENU**.
2. Select **TIMER..** menu.
3. Turn control knob to **FLT TIME**, press to enter.
4. Timer will be displayed for 10 seconds in bottom right hand corner of display.

Count Up

1. Press **MENU**.
2. Select **TIMER..** menu.
3. Turn control knob to highlight **COUNT UP**, push to enter.

Turn Off Timer

1. Press **MENU**.
2. Select **TIMER..** menu.
3. Select **OFF..** menu.

Count Down

1. Press **MENU**.
2. Select the **TIMER..** menu.
3. Turn control knob to highlight **COUNT DN**, push to enter.
4. Enter desired time period by turning control knob to select desired time. Use +5 min and -5 min menus to quickly set time.

Using Airways

Selecting Victor Airways and Jet Routes

Airways can only be added before or after airway fixes (VORs, intersections)

1. When prompted for a waypoint (flight planning or using **ACTV**), enter a V (for Victor Airways) or J (for Jet Routes). Push knob to step through blank spaces.
2. Turn control knob to select desired airway, push to enter.
3. Turn control knob select desired transition fix, push to enter.

Arrivals

Select a STAR

You must have an active route to select a STAR

1. Press **ACTV**.
2. Turn control knob to highlight desired airport, push to enter.
3. Turn control knob to highlight **STAR**, push to enter.
4. Turn control knob to highlight desired procedure, push to enter.
5. Turn control knob to highlight desired transition, push to enter.
6. Turn control knob to highlight desired runway, push to enter.

VNAV

Change VNAV angles

1. Press **MENU**.
2. Select the **BUGS** menu.
3. Turn control knob to highlight **VNAV CDA..**, press to enter.
4. Turn the control knob to highlight **CLMB ANG..** or **DESC ANG..** and push to enter.
5. Turn control knob to set angle, push to enter.

Enroute Descents

1. Press **MENU** then select **BUGS..**
2. Turn knob to highlight **TGT ALT..** press to enter.
3. Turn the control knob to set a target altitude and push to enter.

OR

Select the **DCND NOW** menu to begin the descent immediately.