GPS Display Groups (Cycle Large Knob Arrows)

> **NAV** - Navigation Page Group
> **WPT** - Waypoint Page Group
> **NRST** - Nearest Facility Page Group

Navigation Page Group Pages (Cycle Small Knob Arrows)

Margin:

WPT - Next Flight plan Waypoint
BRG - Bearing to Next Waypoint
CTS - Course to Steer
ETA - Estimated Time of Arrival to
GS - Ground Speed
VSR - Vertical Speed Required for
Next Flight plan Waypoint Altitude
Waypoint **TKE** - Track Angle Error
XTK - Crosstrack Error

Display:

DTK - Desired Track
TRK - Ground Track
DIST - Distance to
Next Flight plan WPT
ETE - Estimated
Time Enroute to
Next Flight plan

Map Page (Cycle Small Knob Arrows)
Map Page puts aircraft at center of North Oriented map display.

Navigation Page Buttons

MSG - Displays Messages. Hold button in to turn off.
TERR - Switches between black background and terrain
background.
CLR - Press to declutter display map. Four levels of declutter.
RNG - Range Switch. Upper rocker increases range. Lower
rocker decreases range.
OBS - Enables/Suspends automatic sequencing of waypoints.
When enabled GPS will automatically select the next waypoint in
the flight plan.

The Waypoint Group Pages (Cycle Small Knob Arrows)

Airport Pages:

> 1 - General Airport data
> 2 - Runway Diagrams
> 3 - Airport Frequencies
> 4 - Airport Approach Page for Selected Runway
> 5 - Intersection Data
> 6 - NDB Data
> 7 - VOR Data

Page 1 - General Airport data

> **Change ICAO Code:**

> 1 - Push **CRSR** Knob to highlight **ICAO** Window
> 2 - Cycle Small Knob →
> 3 - Type desired **ICAO Code** from keyboard
> 4 - Press **ENT Button**
> 5 - Push **CRSR Knob**

Page 2 - Runway Diagram Page

> **Select Desired Runway**

> 1 - Push **CRSR Knob**
> 2 - Cycle **Large Knob** → to Highlight Runway Window
> 3 - Cycle **Small Knob** → to Bring Up Runway List
> 4 - Cycle **Small Knob** → to Select Runway of interest
> Runway Data displays in **INFO** Window
> 5 - Press **ENT Button.**
> 6 - Use **RNG Rocker** to change scale of Runway
> Diagram Window
> 7- Push **CRSR Knob** to remove Flashing Cursor on
> Screen

Page 3 - Airport Frequencies Page

      Select Desired Frequecy

1 - Push **CRSR Knob**
2 - Cycle **Large Knob** ⇢ to Select Desired Frequency
3 - Press **ENT Button** to enter desired frequency to **COM 1**
Standby Window (Or enter frequency by hand)
4 -Push **CRSR Knob** to remove Flashing Cursor on Screen

Page 4 - Airport Approach Page for Selected Runway

      Select Desired Approach

    1 - Push **CRSR Knob**
    2 - Cycle **Large Knob** to highlight **Available
Approaches Window**
    3 - Cycle **Small Knob** ⇢ to select **Available
Approaches Window**
    4 - Cycle **Small Knob** ⇢ to select desired   **Approach**
    5 - Press **ENT button** to display Transitions (**TRANS**)
Window
    6 - Cycle **Small Knob** ⇢   to scroll through Available
Transitions
    7 - Press **ENT Button** to select desired Transition
    8 - Push **CRSR Knob** to remove Flashing Cursor on
Screen

Page 5 - Intersection Data Page

The Intersection Page displays the nearest Intersection Identifier,
Region, Position, and nearest VOR.

GARMIN 500 GPS CHECKLIST (Page 4)

Change Intersection Identifier

1 - Push **CRSR Knob**
2 - Cycle **Small Knob** ⇢
3 - Type New Identifier from Keyboard
4 - Push **ENT Button**
5 - Push **CRSR Knob**

Page 6 - NDB Data Page

The NDB Page displays the nearest NDB Identifier, Facility, Position, Frequency, and WX Broadcast

Change NDB Identifier

1 - Push **CRSR Knob**
2 - Cycle **Small Knob** ⇢
3 - Type New Identifier from Keyboard
4 - Push **ENT Button**
5 - Push **CRSR Knob**

Page 7 - VOR Data Page

The VOR Page displays the nearest NDB Identifier, Facility, Position, Frequency, and WX Broadcast

Change VOR Identifier

1 - Push **CRSR Knob**
2 - Cycle **Small Knob** ⇢
3 - Type New Identifier from Keyboard
4 - Push **ENT Button**
5 - Push **CRSR Knob**

**The Nearest Group can be displayed by Cycling Large Knob
⇢ or Pressing NRST Button on GPS Panel.**

The Nearest Group displays Airports, Intersections, NDBs, and
VORs with 200NM of your position.

Nearest Group Pages (Cycle Small Knob Arrows)

Nearest Pages:

> 1 - Nearest Airport
> 2 - Nearest Intersection
> 3 - Nearest NDB
> 4 - Nearest VOR
> 5 - Nearest Airspace

Page 1 - Nearest Airport Page

The Nearest Airport Page displays the nine nearest airports within
200 miles of your position displaying the Airport ICAO Code,
bearing (BRG) from your position, Distance (DST) from your
position, Approach (APR) available, Tower (twr) frequency, and
length of the longest runway (rwy).

> 1 - Push **CRSR Knob**
> 2 - Cycle **Large Knob** ⇢ to cycle through **Airport
> List**
> 3 - Push **ENT Button** to select desired **Airport**
> You are now back on the General Airport Data Page of
> the Waypoint Group (Page 2).
> 4 - To return to the Nearest Airport Page press the
> **NRST Button**.

Page 2 - Nearest Intersection Page

The nearest Intersection Page displays the nine nearest intersections within 200 miles of your position displaying the Intersection ID (INT), bearing (BRG) from your position, and distance (DST) from your position.

1 - Push **CRSR Knob**
2 - Cycle **Large Knob** ⇢ to cycle through Intersection List
3 - Push **ENT Button** to select desired Intersection
You are now back on the Intersection Data Page of the Waypoint Group (Page 3)
4 - To return to the Nearest Airport Page press the **NRST Button**.

Page 3 - Nearest NDB Page

The nearest Intersection Page displays the nine nearest NDBs within 200 miles of your position displaying the NDB ID (NDB), bearing (BRG) from your position, distance (DST) from your position, and NDB frequency.

1 - Push **CRSR Knob**
2 - Cycle **Large Knob** ⇢ to cycle through **NDB List**
3 - Push **ENT Button** to select desired **NDB**
You are now back on the NDB Data Page of the Waypoint Group (Page 3)
4 - To return to the Nearest NDB Page press the **NRST Button**.

Page 4 - Nearest VOR Page

The nearest Intersection Page displays the nine nearest VORs within 200 miles of your position displaying the VOR ID (VOR), bearing (BRG) from your position, distance (DST) from your position, and VOR frequency.

1 - Push **CRSR Knob**
2 - Cycle **Large Knob** ⇢ to cycle through **VOR List**
3 - Push **ENT Button** to select desired **VOR**
   You are now back on the VOR Data Page of the Waypoint Group (Page 3)
4 - To return to the Nearest VOR Page press the **NRST Button**.

Page 5 - Nearest Airspace Page

The nearest Airspace Page displays the nine nearest CONTROLLED or SPECIAL USE Airspaces within 200 miles of your position.

The Direct To Navigation Page can be displayed by Pressing the D Button on GPS Panel.

Select Designated Location

>   The Direct To Page allows you to navigate directly to a designated location.
>
>   1 - Cycle **Small Knob**↝
>   2 - Type location airport ICAO code from keyboard
>   **OR**
>   1 - Cycle **Large Knob**↝
>   2 - Cycle **Small Knob**↝
>   3 - Type facility name from keyboard
>   4 - Press **ENT Button** to highlight **ACTIVATE?**
>   5 - Press **ENT Button** again to select new waypoint.
>   Navigation screen will return with new GPS course.

Select Flight plan Waypoint

>   The Direct To Page allows you to navigate directly to waypoint on your open flight plan.
>
>   1 - Cycle **Large Knob**↝ to highlight **FPL Window**.
>   A list of flight plan waypoints will appear.
>   2 - Cycle **Small Knob**↝ to scroll through waypoint list and select desired waypoint.
>   3 - Press **ENT Button** to highlight **ACTIVATE?.**
>   4 - Press **ENT Button** again to select new waypoint.
>   Navigation screen will appear with new GPS course.

Select Nearest Airport

The Direct To Page allows you navigate to the nearest airport within 200nm.

1 - Cycle **Large Knob** to highlight **NRST Window**. A list of airports will appear.
2 - Cycle **Small Knob** to scroll through airport list and select desired airport.
3 - Press **ENT Button** to highlight **ACTIVATE?**.
4 - Press **ENT Button** again to select new waypoint. Navigation screen will appear with new GPS course.

The Active Flight Plan Page can be displayed by Pressing the FPL Button on GPS Panel.

The Active Flight Plan Page displays the waypoints with the active section joined by a red arrow bracket. WAYPOINT, DTK (Desired Track), DIS (Distance to Next Waypoint), and CUM (Cumulative Miles) are also displayed.

1 - Press **CRSR Knob**
2 - Cycle Large Knob to highlight flight plan leg you wish to activate. (You must select the **DESTINATION** waypoint of the leg you wish to activate)
3 - Press **MENU Button**
4 - Press **ENT Button**
5 - Press **FPL Button** to return to Navigation Page.

The Procedures Page can be displayed by Pressing the PROC Button on GPS Panel.

The Procedures Page will display a PROCEDURES window and a LOADED PROCEDURES window.

1 - Cycle **Large Knob** to highlight **Select Approach?**

2 - Press **ENT Button**. The list of available approach procedures window will appear. The Approach Map will also be displayed in the GPS window.

3 - Cycle **Large Knob** to highlight desired approach.

4 - Press **ENT Button**. A window with a list of **Tran** (transition) points will appear.

5 - Cycle **Large Knob** to select desired **Tran** (transition) point.

6 - Press **ENT** Button. **Load?** And **Activate?** Will be highlighted.

7 - Cycle **Large Knob** to select **Load?** or **Activate?**

8 - Press **ENT Button**. Procedure will be loaded into the Flight Plan. It will be available for activation or activated depending on which option you selected. Normally you will **Load** the procedure and **Activate** when you are within 30 miles of the destination airport.

Note: This is the simplest approach procedure method. There are many approach procedures and methods available that go beyond the scope of this checklist. Refer to the *Using the GPS* section in the FS9 Learning Center.