

# Apollo GX55 GPS Basics

---

## Enter Flight Plan

- Press NAV button.
- Press FPL soft key.
- Rotate Large knob CCW to display “Press SEL to create new flight plan” page.
- Press SEL button to enter new flight plan name.
  - Rotate Small knob to scroll to the first letter/number in the name.
  - Rotate Large knob to advance the cursor to next character.
  - Press ENTER button to save name.
- Rotate Small knob to first leg.
- Press SEL button to edit first leg.
  - Press ENTER button to INSert first waypoint.
    - Rotate Small knob to select type (Airport, VOR, NDB, Inter, User Wpt)
    - Rotate Large knob to move cursor to the name field.
    - Rotate Small knob to scroll to the first letter/number in the name.
    - Rotate Large knob again to advance the cursor to next character.
  - Press ENTER button to INSert next waypoint (repeat bullet steps above).
- After last waypoint entered, press SEL button to save your flight plan.

## Activate Flight Plan

- Press NAV button.
- Press FPL soft key.
- Rotate Large knob CW to display stored flight plans.
- Press SEL button to choose desired flight plan.
- Press ENTER to “Activate?” or rotate small knob to desired action first.
- Press MAP button to display flight track data.

### Notes:

- In MAP mode, Large knob changes the display, and Small knob changes the scale.
- Press flashing MSG soft key to display flight messages and again to return to map.

## Going Direct To

- Press **D➔** button.
- If the flashing waypoint is desired, simply press ENTER button.
- If not, rotate Small knob to select type (Airport, VOR, NDB, Inter, User Wpt).
  - Rotate Large knob to move cursor to the name field.
  - Rotate Small knob to scroll to the first letter/number in the name.
  - Rotate Large knob again to advance the cursor to next character.
  - When finished entering data (type/name), press ENTER button.

## Create User Waypoint in Database

- Press NAV button.
- Press DB soft key.
- Rotate Large knob to “Create User Wpt by Lat/Long” page, and press ENTER.
  - Rotate Small knob to scroll to the first letter/number in the name.
  - Rotate Large knob again to advance the cursor to next character.
- After last character of name, rotate Large knob to the coordinate field.
  - Rotate Small knob to change numbers
  - Rotate Large knob again to advance the cursor to next field.
- When you are finished entering data (name/coordinates), press ENTER.

## Determine Current Position Coordinates (Overflight Lat/Long)

- Press NAV button.
- Rotate Large knob to “GPS Position” screen.
- The latitude and longitude displayed is your present position.

## Map Setup

- Press MAP button.
- Rotate Large knob to map setup page (change via soft keys or knobs).
  - ROUTE LINE: YES
  - MAP ORIENT: TRACK
  - MAP REF: PLANE
  - Press ENTER button to save flashing entry.



## SAR Search Pattern Overlays

- Press MAP button.
- Rotate Large knob CCW to map setup page.
- Rotate Small knob CCW to the SAR setup page (change via soft keys or knobs).
  - SAR MAP: ON
  - GRID TYPE: US
  - POSITION: PHX
- Press MAP button.
- Rotate Large knob 2 clicks CW to the SAR map screen.
  - Press GRD soft key to cycle to GRD4 (shows grid no. and letter overlay).
  - Press PAT soft key to display the "Search Type" page.
  - Rotate Small knob to "Parallel Line" or other desired search types (Creeping Line, Expanding Square) and press ENTER button.
  - Press SEL button change parameters (Grid, Spacing, Direction, etc).
    - Rotate Small knob to scroll letters/numbers at flashing cursor.
    - Rotate Large knob to advance the cursor to next character or option.
  - Press Enter button to save parameters.
  - Press Enter button again to return to SAR map and display search track.

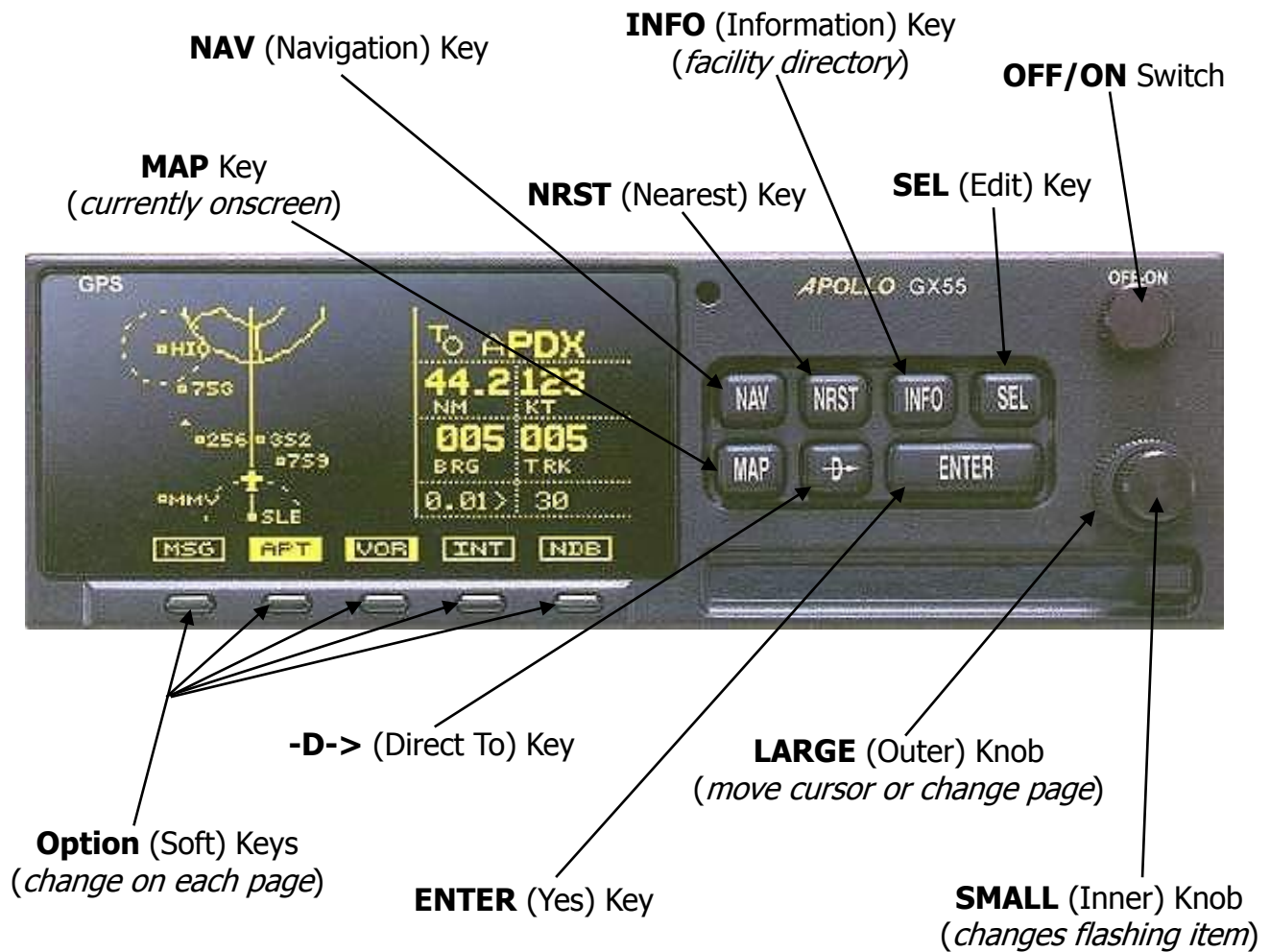
### Notes:

- Map scale must be 30 or less to display search grid and track, rotate Small knob.
- Press MRK soft key to mark target beneath aircraft and display or save position.

## Sector Search Radial/Radial to Any Waypoint Type

- Press  button.
- If the flashing waypoint is desired, simply press ENTER button.
- If not, rotate Small knob to select type (Airport, VOR, NDB, Inter, User Wpt).
  - Rotate Large knob to move cursor through the name, and rotate Small knob to scroll the letters/numbers in the name.
  - When finished entering data (type/name), press ENTER button.
- Press  button twice to enter the desired OBS DTK to the waypoint.
  - Rotate Large knob to move cursor, and Small knob to scroll the numbers.
  - When finished entering data, press ENTER button. (Repeat for reciprocal).

# Hard Key Functions



# Apollo GX GPS Simulator

---

## Setup Instructions

1. Go to [www.yuma508.webs.com](http://www.yuma508.webs.com) and click the link “Apollo GX-55 Simulator” in the sidebar under the “Aircrew” section.
2. Save the gx55.zip file to your desktop, and right-click to select “Extract” and follow the prompts.
3. Move the extracted folder named “UPS Aviation Technologies” to C:\Program Files for Windows XP and earlier versions, or C:\Programs Filesx86 in Windows Vista or later versions.
4. After moving the folder, open it, then open the subfolder named “GX Simulator”.
5. Right-click on the file “GX Simulator.exe”, and select “Send To>Desktop (create shortcut)”.
6. Go to your desktop and right-click the newly created shortcut, and select “Properties”.
7. Click the “Compatibility” tab, and select “Windows98/Me” in the Compatibility mode drop-down box. (Note: Runs faster in WinXP/2000 compatibility but is most stable under Win98/ME compatibility.)
8. Also, if desired, check the box for “Run in 640x480” screen resolution in the Display settings area, and press OK.
9. Now, you can double-click the desktop shortcut to run the GX Simulator.
  - a. Remember to initially select the “SAR” option from the “Option” menu prior to clicking the ON button for the GPS unit.
  - b. Once the GPS unit is on, scroll through the Map setup pages to enable the SAR feature and select the “PHX” grid.
10. Simulator Controls:
  - a. Select buttons and soft keys with your left mouse button.
  - b. Mouse over the center of the inner knob to control the small knob and over the edge of the outer knob to control the large knob.
  - c. Use left or right mouse buttons to turn knobs CCW or CW respectively.
  - d. To “fly” the sim, use the up/down and right/left arrow keys on your keyboard to change aircraft speed and track respectively.