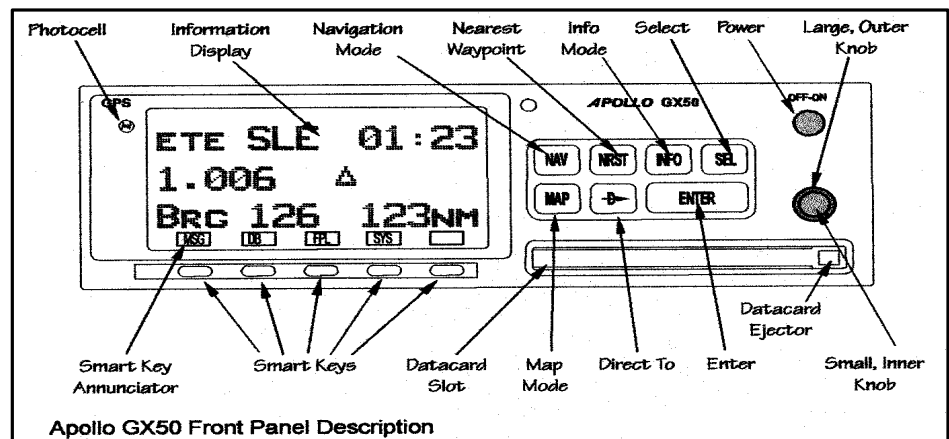


**Scanner & Observer Guide
Apollo GX-55 GPS
Black Sheep Senior Squadron
Aerospace Education
Updated 11 June 03**



Power On:

Turn the **POWER (OFF/ON) KNOB** clockwise.
Several screens will be shown on the display for several seconds as the unit does self-tests.
The display says "Clear Active Flight Plan? YES" - Press **ENTER**
The display says "Americas DB Expires mm/dd/yy. Press ENTER" - Press **ENTER**
The unit will go to the Navigation mode and is ready for use.

If the "MSG" symbol above the left Smart Key is flashing it means the unit has a message for you.
Press the **Smart Key below the MSG symbol** to read the message.
Press the **Smart Key below the MSG symbol** again to return back to the original display.

Got confused? Just press the NAV, MAP, Direct-TO, etc Keys to start over.

Direct-To:

Press the **DIRECT-TO** Key. The waypoint type will flash.
Turn the **SMALL KNOB** to select the waypoint type (AIRPORT, VOR, NDB, USR)
Turn the **LARGE KNOB** clockwise one position. The first character will flash
Turn the **SMALL KNOB** to change the character
Continuing editing with the **LARGE** and **SMALL KNOBS** to select your waypoint
Press **ENTER** - Unit will switch to Navigation Mode

Waypoint Information: (Display information about the destination waypoint or a displayed waypoint.)

Press the **DIRECT-TO** Key. The waypoint type will flash.
Turn the **SMALL KNOB** to select the waypoint type (AIRPORT, VOR, NDB, USR)
Turn the **LARGE KNOB** clockwise one position. The first character will flash
Turn the **SMALL KNOB** to change the character
Continuing editing with the **LARGE** and **SMALL KNOBS** to select your waypoint
Press **ENTER** - Unit will switch to Navigation Mode

GPS Position:

If not already in Navigation mode, press **NAV** Key
Turn the **LARGE KNOB** clockwise 3 clicks to the "GPS Position" page
Your current position in Latitude (top number) and Longitude (bottom numbers) are continuously updated.
Hint: Last digits change most rapidly. Write them down from right to left for best accuracy.
Press **MAP** Key to return to the moving map

Create User Waypoint By LAT/LON: (recommended way of recording search targets)

Press **DB** Soft Key
Turn **LARGE KNOB** to view the "Create User Wpt by LAT/LON" page (may be already displayed)
Press **ENTER** Key (LAT/LON for current position is entered when you press the ENTER Key)
You can edit the waypoint identifier using the **LARGE** and **SMALL KNOBS**
You can edit the default LAT/LON with the **LARGE** and **SMALL KNOBS**.
Press **ENTER** Key or the **NAV** or **MAP** Key to return to the previous display.

Nearest Airport:

Press **NRST** Key
Turn **LARGE KNOB** to change the type of waypoints displayed (Airport, VOR, NDB, INT, USER)
Turn **SMALL KNOB** to move through the nearest 20 waypoints
Press **DIRECT-TO** Key and then **ENTER** Key to select the waypoint as your new destination.

LAT/LON Hint - For Colorado area, Latitude is between 40 and 45; Longitude is between 102 and 109.

SAR Function Guide- Apollo GX-55 GPS
Black Sheep Senior Squadron- Aerospace Education
Updated 6/13/03

SETUP

1. Clear SAR User Waypoints
 Press **NAV** Key
 Press **DB** Smart Key
 Turn **LARGE KNOB** to
 Delete User Waypoint
 Press **Enter**
 Turn **SMALL KNOB** to any
 SARnnn waypoints
 Press **Enter** to delete

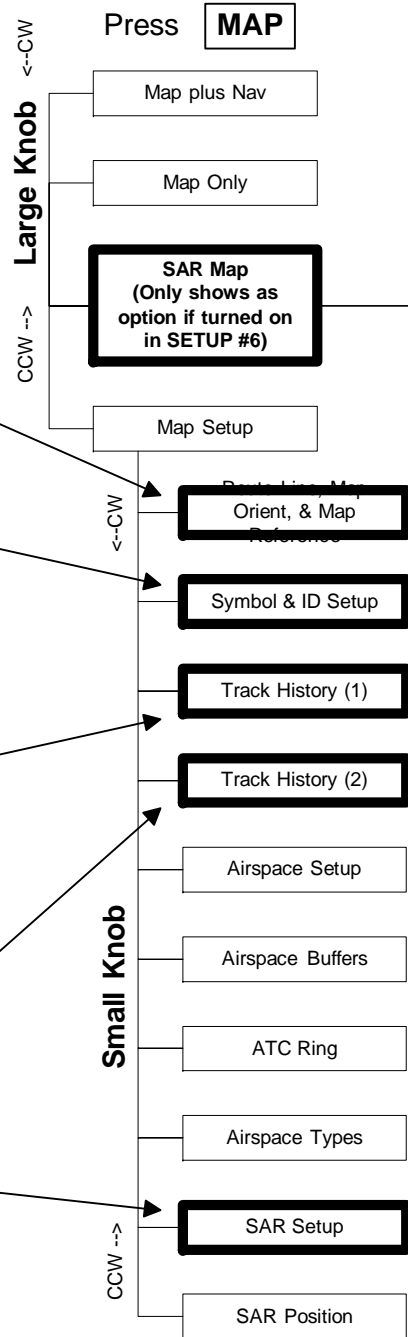
2. Route Line - Off for Contour Search
 Press **SElect**
 Edit using **LARGE & SMALL KNOBS**
 Route Line: YES (NO for Contour Search)
 Map Orient: North
 Map Ref: Plane
 Press **Enter**

3. Symbol & ID Setup
 Press **SElect**
 Turn **LARGE KNOB** to choose "Usr"
 Press **USR** Smart Key to choose "uID"
 (Press right hand Smart Key if USR Smart Key
 is not shown)
 Press **Enter**

4. Track History (1)
 Press **SElect**
 Edit using **LARGE & SMALL KNOBS**
 Trk History: ON
 Save By: Distance
 Interval: 0.5 nm
 Press **Enter**

5. Track History (2)
 Press **SElect**
 Edit using **LARGE & SMALL KNOBS**
 a. Strategy: Full
 b. Clear Track: Yes
 (clears track then switches back to NO)
 Press **Enter**

6. SAR Set-Up
 Press **SElect**
 Edit using **LARGE & SMALL KNOBS**
 SAR Map: ON
 Grid Type: US
 Position: DEN (Denver Sectional)
 Press **Enter**



GRiD Smart Key- press to select display as shown below:

	Section Lines	Section # Numbers	Quarter Lines	Quarter Numbers
GRD	No	No	No	No
GRD1	Yes	No	No	No
GRD2	Yes	Yes	No	No
GRD3	Yes	Yes	Yes	No
GRD4	Yes	Yes	Yes	Yes

Adjust scale with **SMALL KNOB**. Allow time for display to refresh.
 To clear track history, repeat **SETUP** step 5b.

MaRK Smart Key - press to enter a waypoint's LAT/LONG
LAT/LONG values are entered at the time you press the MaRK Smart Key.

*Creates a User Waypoint with the sequential labels SAR001, SAR002,

*If desired, edit waypoint name or Lat/Long using the **LARGE & SMALL KNOBS**.

*Press **Enter**

*Note: USER waypoint type symbol and ID must be turned on for the waypoints to show up on the display map. (See **SETUP** Step 3.)

PAteM Smart Key - Press to enable or disable the search pattern
 When enabled, use **SMALL KNOB** to select
Parallel Line, Press **Enter**
 Press **SElect**
 Turn **LARGE & SMALL KNOBS** to edit entries
 Grid Number (e.g. 453C1)
 Track spacing (1.0 recommended)
 Direction of Travel (N/S or E/W)
 Press **Enter**; Press **Enter**
Use Parallel Line for Contour Search but turn off Route Line (see Setup)
Creeping Line, Press **Enter**
 Press **SElect**
 Press **Enter** to edit the Starting Waypoint
 Turn **LARGE & SMALL KNOBS** to edit
 Press **Enter**
 Use **SMALL KNOB** to select the desired pattern spacing
 (1.0 nm is recommended)
 Use **LARGE KNOB** to select Direction of Travel
 Use **SMALL KNOB** to select the desired direction; (0 to 359 degrees)
 Press **Enter**
 Diamond on lower right screen indicates another page, turn small knob to view

Press **SElect** to edit the Leg Length
 Turn **SMALL KNOB** to select Leg Length (1.0 to 9.9 nm)
 Turn **LARGE KNOB** to Start Side selection
 Turn **SMALL KNOB** to select Left or Right
 (Left or Right side looking down the direction of travel.)
 Press **Enter**, Press **Enter**
Expanding Square, Press **Enter**
 Press **SElect**
 Press **Enter** to start editing the Starting Waypoint selection
 Edit using **LARGE & SMALL KNOBS**
 Press **Enter**
 Turn **LARGE KNOB** to select Spacing
 Turn **SMALL KNOB** to select pattern spacing
 (1.0 is recommended)
 Turn **LARGE KNOB** to Direction
 Turn **SMALL KNOB** to select direction of travel; (0 to 359 degrees)
 Press **Enter**