

GPS (GX55) SUPPLEMENTAL QUICK REFERENCE

S.A.R. MAP FEATURE

The steps in setting up the SARMAP feature include:
(See user manual for detail description -see page references below)

- A. GPS Map Setup Page -Turn Route Line On (pg. 22)
- B. SAR Map Setup Page (pg. 76-80)
- C. Select a Search Pattern (pg. 82-89)
- D. Activate the Search (pg. 89)
- E. Select Grid Line Display (pg. 77-78)
- F. Mark a Position (pg.90)

A. GPS Map Setup Page -Turn Route Line On

- 1. Press **MAP** and then turn **LARGE** knob CCW 1 click to reach GPS Map Setup Page.
- 2. Press **SEL**. Route Line option will flash.
- 3. Turn the **SMALL** knob value to YES. Press **ENTER** to save selection.

B. SAR Map Setup Page

- 1. From the GPS MAP Setup Page (see A. above). Turn **SMALL** knob CCW 2 clicks to SAR Man Setup Page.
- 2. Press **SEL**. SAR Map option flashes. Turn **SMALL** knob to set the SAR Map value to ON.
- 3. Turn **LARGE** knob CW 1 click. Grid Type option flashes. Turn **SMALL** knob to choose a Grid Type value of US or Basic. The US Grid Type is based on aeronautical chart grids. The Basic Grid Position is based on Lat/Lon positions.
- 4a. For U.S. Grid Type. Turn **LARGE** knob CW 1 click. Position option flashes. Turn **SMALL** knob right or left to select desired Sectional Aero Chart. Press **ENTER** to save selections. Turn **LARGE** knob CCW 1 click to return to SAR MAP.
- 4b. For Basic Grid Type. Turn **SMALL** knob CCW 1 click to reach the SAR Position page. Press **SEL**. The Latitude value will flash. Select the Latitude value nearest to your intended search area with the **SMALL** knob. Turn the **LARGE** knob to the Longitude value. Select the Longitude value nearest to your search area with the **SMALL** knob. Press **ENTER** to save selections. Turn **LARGE** knob CCW 1 click to return to SAR MAP.

C. Select a Search Pattern

- 1. From SAR Map. (If not in SAR Map. Press **MAP**, turn **LARGE** knob CW 2 clicks)
- 2. Pat the **PAT** smart key. Search pattern type will flash.
- 3. Turn the **SMALL** knob R/L to select the desired pattern type. Press **ENTER** to select pattern type and begin selecting options.

Creeping Line

(It is based on a Waypoint, not a grid.)

- 1. Press **SEL**, INS? flashes. Press **ENTER**. Wypt. type flashes. Select the waypoint type and ident. The same as for the DIRECT TO function. Press **ENTER** to save Wypt. start point. Spacing flashes.
- 2. Turn **SMALL** knob R/L to desired value. Turn **LARGE** knob CW 1 click. Direction flashes.
- 3. Turn **SMALL** and **LARGE** knobs to desired direction. Press **ENTER** to save selection.
- 4. Turn **SMALL** knob CW 1 click. Press **SEL**, "5.0" flashes. Turn **SMALL** knob R/L to desired value.
- 5. Turn **LARGE** knob CW 1 click. "Right" flashes. Turn **SMALL** knob to desired value.
- 6. Press **ENTER** to save selections.
- 7. Press **ENTER** to activate search pattern and return to SAR Map.

Note: CW = Clockwise, CCW = Counter Clockwise

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S.A.R. MAP FEATURE (cont.)

Search Patterns (continued)

Expanding Square

(Starts on a user selected waypoint. This can be the nearest airport, intersection, navaid or user waypoint.)

1. Press **SEL**. INS? flashes. Press **ENTER** Wyp. type flashes. Select the waypoint type and ident. The same as for the DIRECT TO function. Press **ENTER** to save Wyp. start point. Spacing flashes.
2. Turn **SMALL** knob R/L to desired value. Turn **LARGE** knob CW 1 click. Direction flashes.
3. Turn **SMALL & LARGE** knobs to desired direction.
4. Press **ENTER** to save selections.
5. Press **ENTER** to activate search pattern and return to SAR MAP.

Parallel Line

(Creates a search pattern based on an established grid.)

1. Press **SEL**. INS? flashes. Press **ENTER**. Grid flashes. Turn **LARGE** and **SMALL** knobs to select the desired grid. Turn **LARGE** knob 1 more click past last grid position. Spacing flashes.
2. Turn **SMALL** knob R/L to desired spacing. Turn **LARGE** knob CW 1 click. Direction flashes.
3. Turn **SMALL** knob R/L to enter desired direction (n/s or e/w).
4. Press **ENTER** to save selections.
5. Press **ENTER** to activate search pattern and return to SAR MAP.

D. Activate/Deactivate Search Pattern

1. To activate a search pattern, Press **ENTER**, this returns you to SAR Map. The annunciator above the PAT smart key will be highlighted.
2. To deactivate the search pattern, press the **PAT** smart key. The annunciator above the PAT smart key will no longer be highlighted.

E. Select a Grid Line Display

1. While viewing the SAR Map, press the **GRD** smart key. Select the appropriate grid line display by repeatedly pressing the **GRD** smart key. Note the selection options vary slightly for the two grid types (US or Basic). Grid detail displayed varies with range selected (10- 40 nm is usually best).

G. Mark a Position

(When viewing the SAR Map, you may save a User waypoint to Mark a location of interest. Pressing the **MRK** smart key saves the User waypoint at the present position of the aircraft.)

1. While viewing the SAR Map page, press **MRK**. The User waypoint creation page will appear with the current Lat/Long position. The default waypoint name will be SAR000 (the first time). Subsequent User waypoints will automatically increment to SAR001, SAR002, etc.
2. You may enter the name and position with the **SMALL** and **LARGE** knobs.
3. Press **ENTER** to store the displayed name and position.

Note: Use SAR Map screen with Icons to fly to a saved SAR waypoint or use **DIRECT TO** or **NRST** functions to fly to the saved SAR waypoint.