

**APOLLO GX 55 INSTRUCTIONS
WAYPOINT AND GRID**

27 February, 2000

APOLLO GX 55

FLY TO ANY WAYPOINT:

1. Turn unit on.
2. Self test will run
3. Present position press ENTER.
4. Clear any messages by pressing ENTER.
5. NAV page will be displayed.
6. Press D> key.
7. Airport will flash.
8. If you wish to go to an airport rotate large knob to the right one click.
9. This moves the "cursor" to make the airport identifier flash.
10. Rotate the small knob to change the first letter of the identifier.
11. Rotate the large knob to move the "cursor" to flash the second letter and change it with the small knob.
12. Do the same with the next letter.
13. When the proper identifier is entered press ENTER.
14. The Airport way point will be displayed and the navigational information will be evident.
15. You now can press the MAP button to display your moving map progress.
16. You may change the scale of the map by rotating the small knob. A window on the lower right identifies the scale.
17. The "SMART KEYS" below the map change the map features by adding or removing airport identifiers, VOR's and intersections.

You can do the same with a VOR, NDB, INT, or a USER WAY POINT, which could be a lon/lat position, or a GRID. THE DIFFERENCE IS THAT WHEN YOU PRESS D> (Step 6. Above) you rotate the SMALL knob to the type of way point that you want, (VOR, NDB, INT, USER).

1. SEARCH AND RESCUE OPERATIONS. FLY TO A U.S. GRID
2. In order to fly to a grid the SAR MAP mode should be activated. Normally this will be set in the GPS. You can check it as follows.
3. With the set on in any mode press MAP button. Map will display.
4. Rotate large knob to map information page. "ROUTE LINE: YES" etc.
5. Rotate SMALL knob to "SAR MAP" page.
6. Page should be set up as follows:
"SAR MAP :ON
"GRID TYPE :US
"POSITION :SFO"
7. These settings can be changed by pressing the SEL button and when the item flashes the SMALL knob can be rotated to change the setting. The large knob will move the "cursor" down to flash the next item to change with the SMALL knob. In this way you may set the proper SECTIONAL CHART identifier for the grid that you want. By merely rotating the SMALL knob when the Position info is flashing any U. S. Sectional can be set.
8. When set press ENTER and the flashing will stop.
9. To set the proper grid you must make it a USER way point.
10. Now press NAV and then the "DB" smart key. "CREATE USER WPT" will appear.
11. Rotate LARGE knob until you see "BY US GRID" on the second line.

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12. Press ENTER.
13. The number "1" will flash in the upper LEFT corner.
14. Using the SMALL knob merely rotate till you get the first number of your U.S. GRID.
15. Rotate the LARGE knob to the right to make the next digit flash and by using the SMALL knob enter the next number of the grid. Do the same for the third digit if necessary.
16. Press ENTER.
17. You now have the grid as a USER way point.
18. Merely hit NAV/ D> to access the data base and rotate the SMALL knob to flash "USER".
19. Rotate LARGE knob if necessary to the right to flash the first digit of the GRID number. Rotating the small knob will change the digit and rotating the LARGE knob once more to the right will flash the second digit so that the SMALL knob can access the proper number. Repeat if a third number is necessary.
20. When Grid is selected press ENTER and you will be on your way to the North West corner of your chosen grid.
21. Bearing and distance to Grid will be displayed. Rotate small knob to access more navigational information.
22. By pressing the MAP button you can bring up the Map page and by rotating the LARGE knob you will find the map that shows the grids on it.
23. Notice the scale map scale number in the lower left corner of the grid map page. It will only show grids if you are in 30-mile scale or less.
24. Also notice the smart button now says GRD. If it says APT or RTE rotate the LARGE knob till it shows GRD.
25. The GRD smart button may be pushed sequentially from GRD, GRD 1, GRD 2, GRD 3, or GRD 4. GRD shows no lines but airports, intersections, airspace, etc. may be shown if they have been previously set by the smart keys. GRD 1 brings up 60 minute grid lines, GRD 2, 30 minute grid lines, Grid 3, 15 minute grid lines and GRD 4 marks the letters in all four quadrants, (A, B, C, D).
26. On arrival at the grid you merely need to fly the corners by reference to the moving map. It is possible to superimpose a search pattern on the grid, (parallel, creeping line, or expanding square). Refer to the Apollo Manual for these instructions.

THERE IS A MULTITUDE OF OTHER FEATURES IN THIS MACHINE BUT LEARNING THE TWO FUNCTIONS OUTLINED ABOVE SHOULD GET YOU BY ON MOST MISSIONS. I ENCOURGE PRACTICE WITH THE UNIT OUT OF THE AIRPLANE ON THE BENCH. A 12-VOLT POWER SUPPLY AND MATING CONNECTOR ARE AVAILABLE FROM ME FOR THOSE UNITS THAT WANT TO USE THEIR GPS ON THE BENCH IN THE SIMULATOR MODE.

**C. Arden Heffernan, Capt.
Douglas Co. Composite Squadron
Minden, NV.**