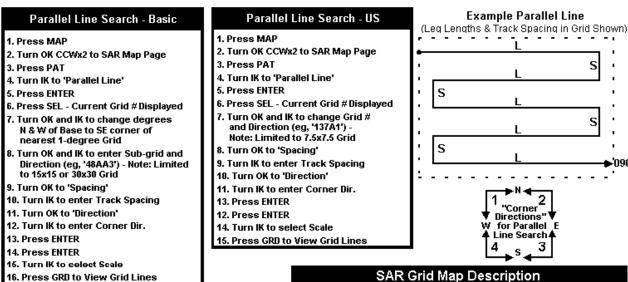
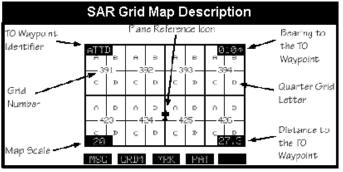
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Apollo GX55 SAR Quick Reference Guide

SAR Setup - Basic SAR Setup - US Track Line Search 1. Press MAP 1. Press MAP 1. Press NAV - Press DB 2. Turn OK CCW to Map Setup Page 2. Turn OK CCW to Map Setup Page 2. Turn OK and IK to Create User Waypoint #1 for Beginning of Line -3. Press SEL 3. Press SEL Press ENTER 4. Press RTE to select'Yes' 4. Press RTE to select 'Yes' Turn OK and IK to Create User 5. Press ORI to select 'North' 5. Press ORI to select 'North' Waypoint #2 for End of Line -6. Press REFto select 'Plane' 6. Press REF to select 'Plane' PressENTER 7. Press ENTER 7. Press ENTER 4. Press FPL - Press SEL - Turn OK and 8. Turn IK CCW to SAR Position Page 8. Turn IK CCWx2 to SAR Map Setup Page IK to select User Waypoint #1 and #2 9. Press SEL 9. Press SEL for Flight Plan Leg (DdNot Ry 'DIRECT-TO') - Press ENTER 10. Press LAT 10. Press SAR to select 'On' 5. Press NAV - Turn OK to 'Parallel Track' 11. Turn IK to '30' (SE corner of nearest 11. Press GRD to select 'US' 10-deg Grid) for Base Latitude 6. Press SEL - Turn OK and IK to select 12. Press POS Distance 'S' & Offset Position - Turn 12. Press I ON 13. Turn IK to select 'STL, LUK, MEM, OK to 'USE'- Press ENTER 13. Turn IK to '80' (SE corner of nearest or ATL' 10-deg Grid) for Base Longitude Press MAP - Turn IK to select Scale 14. Press ENTER Note Heading required to fly Bearing 14. Press ENTER 15. Turn IK CCW to SAR Map Setup Page ("OK" = Outer Knob, "IK" = Inner Knob) 16. Press SEL **Example Track Line** 17. Press SAR to selecton' (Crosstrack Spacing 'S' Shown) 18. Press GRD to select 'Basic' **APPROX MIN/MILE** 19. Press POS #1 (Direction of Search) LAT: 1.0 MIN/MILE 20. Turn IK to select 'NW' LONG: 1.2 MIN/MILE 21. Press ENTER



G/S Knots	N.W/Min	Sec/NM	Sec/Min Long E/VV	Sec/Min Lat N/S	90-deg <u>E/W *</u>	90-deg <u>N/S *</u>
60	1.0	60	49	60	0.26	0.32
70	1.2	51	42	51	0.30	0.37
80	1.3	45	37	45	0.35	0.42
90	1.5	40	33	40	0.39	0.48
100	1.7	36	29	36	0.43	0.53
110	1.8	33	27	33	0.48	0.58
120	2.0	30	25	30	0.52	0.64
* Minutes	of Long (E	/W @ 40 d	leg) or Lat (N	/S) Require	d for 90-de	g SR Turn





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♣'090

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Example Expanding Square

Expanding Square Search

- 1. Press MAP
- 2. Turn OK CCWx2 to SAR Map Page
- 3. Press PAT
- 4. Turn IK to 'Expanding Square'
- 5. Press FNTFR
- 6. Press SEL
- 7. Press ENTER
- 8. Turn OK and IK to select Waypoint
- 9. Press ENTER
- 10. Turn OK to 'Spacing'
- 11. Turn IK to enter Track Spacing
- 12. Turn OK to 'Direction'
- 13. Turn IK to enter Initial Heading
- 13. Press ENTER
- 12. Press ENTER
- 14. Turn IK to select Scale
- 15. Press GRD to View Grid Lines

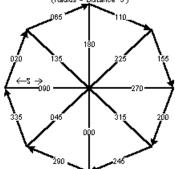
(Bearings**TO**/Vaypoint Shown) (180) (135) (090) 65 - (270) (045) (315) (000)

Sector Search

- 1. Press NAV Press DB
- 2. Turn OK to 'Create User Waypoint by Lat/Lon' - Press ENTER
- 3. Turn OK and IK to create Wser Waypoint by Latitude & Longitude
- 4. Press ENTER Press DIRECT-TO
- 5. Turn OK and IK to select User Waypoint to fly 'Direct To'
- 6. Press ENTER
- 7. Press MAP Monitor Bearing & Distance to fly to Waypoint on an 'Even' Bearing (eg, 270)
- 8. Begin Search at Distance 'S' from Waypoint
- 9. Fly Distance 'S' Past Waypoint on same Heading - At Waypoint Passage, Bearing will flip 180-deg (eg, 90)
- 10. Turn Right ~110-deg and Fly until New Bearing = Old Bearing + 45-deg (eg,135)
- 11. Turn Right ~110-deg to New Bearing
- 12. Repeat Steps 8-11 to Complete Coverage
- Note Headings required to fly Bearings

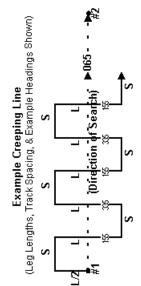
Example Sector Search

(Bearings TO Waypoint on Spokes) (Interim Headings on Outer Segments) (Assumes All Right Tums) (Radius = Distance 'S')



Creeping Line Search

- 1. Press MAP
- 2. Turn OK CCWx2 to SAR Map Page
- 3. Press PAT
- 4. Turn IK to 'Creeping Line'
- 5. Press ENTER
- 6. Press SEL
- 7. Press ENTER
- 8. Turn OK and IK to select Waypoint
- 9. Press ENTER
- 10. Turn OK to 'Spacing'
- 11. Turn IK to enter Track Spacing
- 12. Turn OK to 'Direction'
- 13. Turn IK to enter Line Direction
- 14. Press ENTER
- 15. Turn IK to select Next Page
- 16. Press SEL
- 17. Turn IK to enter Leg Length
- 18. Turn OK to select 'Start'
- 19. Turn IK to enter Initial Turn as Right or Left of Line
- 20. Press ENTER
- 21. Press ENTER
- 22. Turn IK to select Scale
- 23. Press GRD to View Grid Lines



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