

Apollo GX55 SAR Quick Reference Guide

- ### SAR Setup - Basic
1. Press MAP
 2. Turn OK CCW to Map Setup Page
 3. Press SEL
 4. Press RTE to select 'Yes'
 5. Press ORI to select 'North'
 6. Press REF to select 'Plane'
 7. Press ENTER
 8. Turn IK CCW to SAR Position Page
 9. Press SEL
 10. Press LAT
 11. Turn IK to '30' (SE corner of nearest 10-deg Grid) for Base Latitude
 12. Press LON
 13. Turn IK to '80' (SE corner of nearest 10-deg Grid) for Base Longitude
 14. Press ENTER
 15. Turn IK CCW to SAR Map Setup Page
 16. Press SEL
 17. Press SAR to select 'On'
 18. Press GRD to select 'Basic'
 19. Press POS
 20. Turn IK to select 'NW'
 21. Press ENTER

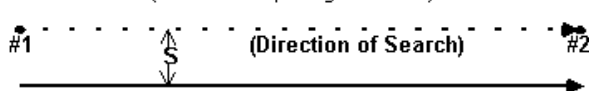
- ### SAR Setup - US
1. Press MAP
 2. Turn OK CCW to Map Setup Page
 3. Press SEL
 4. Press RTE to select 'Yes'
 5. Press ORI to select 'North'
 6. Press REF to select 'Plane'
 7. Press ENTER
 8. Turn IK CCWx2 to SAR Map Setup Page
 9. Press SEL
 10. Press SAR to select 'On'
 11. Press GRD to select 'US'
 12. Press POS
 13. Turn IK to select 'STL, LUK, MEM, or ATL'
 14. Press ENTER

- ### Track Line Search
1. Press NAV - Press DB
 2. Turn OK and IK to Create User Waypoint #1 for Beginning of Line - Press ENTER
 3. Turn OK and IK to Create User Waypoint #2 for End of Line - Press ENTER
 4. Press FPL - Press SEL - Turn OK and IK to select User Waypoint #1 and #2 for Flight Plan Leg (Do Not Fly 'DIRECT-TO') - Press ENTER
 5. Press NAV - Turn OK to 'Parallel Track'
 6. Press SEL - Turn OK and IK to select Distance 'S' & Offset Position - Turn OK to 'USE' - Press ENTER
 7. Press MAP - Turn IK to select Scale
- ^{*} Note Heading required to fly Bearing

("OK" = Outer Knob, "IK" = Inner Knob)

APPROX MIN/MILE
 LAT: 1.0 MIN/MILE
 LONG: 1.2 MIN/MILE

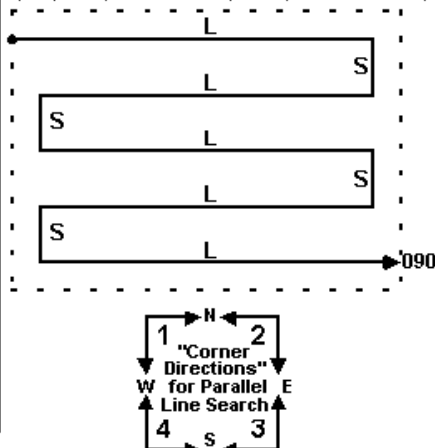
Example Track Line
 (Crosstrack Spacing 'S' Shown)



- ### Parallel Line Search - Basic
1. Press MAP
 2. Turn OK CCWx2 to SAR Map Page
 3. Press PAT
 4. Turn IK to 'Parallel Line'
 5. Press ENTER
 6. Press SEL - Current Grid # Displayed
 7. Turn OK and IK to change degrees N & W of Base to SE corner of nearest 1-degree Grid
 8. Turn OK and IK to enter Sub-grid and Direction (eg, '48AA3') - Note: Limited to 15x15 or 30x30 Grid
 9. Turn OK to 'Spacing'
 10. Turn IK to enter Track Spacing
 11. Turn OK to 'Direction'
 12. Turn IK to enter Corner Dir.
 13. Press ENTER
 14. Press ENTER
 16. Turn IK to select Scale
 16. Press GRD to View Grid Lines

- ### Parallel Line Search - US
1. Press MAP
 2. Turn OK CCWx2 to SAR Map Page
 3. Press PAT
 4. Turn IK to 'Parallel Line'
 5. Press ENTER
 6. Press SEL - Current Grid # Displayed
 7. Turn OK and IK to change Grid # and Direction (eg, '137A1') - Note: Limited to 7.5x7.5 Grid
 8. Turn OK to 'Spacing'
 9. Turn IK to enter Track Spacing
 10. Turn OK to 'Direction'
 11. Turn IK to enter Corner Dir.
 13. Press ENTER
 12. Press ENTER
 14. Turn IK to select Scale
 15. Press GRD to View Grid Lines

Example Parallel Line
 (Leg Lengths & Track Spacing in Grid Shown)



G/S	Sec/Min		90-deg		90-deg	
	Knots	NM/Min	Long E/W	Lat N/S	E/W *	N/S *
60	1.0	60	49	60	0.26	0.32
70	1.2	51	42	51	0.30	0.37
80	1.3	46	37	46	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 deg) or Lat (N/S) Required for 90-deg SR Turn

