

Basic G1000 Mission Observer Quick Reference Guide

KEY:

B	Turn big (outer) knob
S	Turn small (inner) knob
RANGE	Press named knob or softkey
ENT	Press named hardkey

All Tasks start at Map Page 1 (hold CLR for 2 seconds)

Mark and Save a Point

1. Press **RANGE** once.
2. Within 5 seconds press **ENT**
3. **B** to “Create User Waypoint”
4. **ENT**
5. **S** left to ‘1’ (for first, ‘2’ for second...)
6. **ENT**
7. Hold **CLR** for 2 seconds → Map Page 1

Retrieve & Delete Waypoint (post-flight)

1. **B** to WPT page group.
2. **S** to “User Waypoint” page.
3. Press **S** knob to get cursor.
4. **B** down to “User Waypoint List”, continue to “1”.
 - a. Write down “Information” (Lat/Long info)
 - b. **DELETE** softkey
 - c. **ENT** to verify delete
 - d. <repeat for all numbered waypoints>

Show Quarter Grid Lat/Longs

1. Hold **CLR** for 2 seconds → Map Page 1
2. Turn **RANGE** knob until Map Scale shows “30nm”.
3. If lat/long lines are already showing, skip next Task “Enable Map Lat/Longs”.

Enable Map Lat/Longs

1. **MENU**
2. **B** to Map Setup
3. **ENT**
4. **S** to “Land”
5. **ENT**
6. **B** to “LAT/LON”
7. Using **B** to move field to field, **S** to modify a field, and **ENT** to save: Set ‘TEXT’ = Small, ‘RNG’ = 30nm

Mission Master – power on CAP-specific equipment (FM, DF)



FM Radio Setup



Main = Volume – set about halfway as shown
Guard – turn all the way down (counter-clockwise)
Squelch – press to verify you can hear the radio (COM3)
White switches – up up down as shown
Keypad: up / down arrows (2, 8) to set brightness
left / right arrows (4, 6) to go up / down channels

Basic G1000 Mission Observer Quick Reference Guide

Select Switches Setup

Good – both Green



Bad – either one blue



Comm Audio Panel Setup



- Mic – select for transmitting
- Right side COM1, COM2, COM3 – all should be selected for listening
- Also select AUX to listen to Becker DF

Becker Direction-Finding Setup



- (1) Power on/off (or use Mission Master)
- During power-up, use Page Knob (2) to set Emergency or Training mode. You only have *three seconds*.



- Use bottom right knob (1) to select Frequency
- Use Volume (2) to set Volume
- Use SQL (3) to set Squelch level (triangle in the black)
- Listen by selecting AUX on Comm audio panel
- If no signal is heard, try listening on COM2

Advanced G1000 MO Quick Reference Guide

Grid Search – Mission “Fast Launch” – set one corner

KEY:

B	Turn big (outer) knob
S	Turn small (inner) knob
RANGE	Press named knob or softkey
ENT	Press named hardkey

All Tasks start at Map Page 1 (hold CLR for 2 seconds)

See next page for how-to modify all 4 grid points & create flight plan

Do this after Engine Start, before takeoff. Eyes outside while plane is taxiing – do this only while plane is stationary

Clear all Flight Plans

1. **FPL**
2. **S** to “Flight Plan Catalog” page.
3. **MENU**
4. **S** to “Delete All”
5. **ENT**
6. **ENT**

Modify 1 existing Waypoint: GPTNW

1. Go to Map Page 1 (hold **CLR** for 2 seconds)
2. **B** to WPT page group.
3. **S** to “User Waypoint” page.
4. Press **S** knob to get cursor.
5. **B** down to “User Waypoint List”, continue to GPTNW.
6. **ENT** to get to detailed info & modify the waypoint
7. **B** to “Information” area.(lat/long values)
8. **S** right once to start editing.
9. Using **B** to move field to field, and **S** to modify a field, edit the lat/long.
10. When correct: **ENT** to save.

Advanced G1000 MO Quick Reference Guide

Grid Search – Sarex “Slow Launch”

Modify all 4 Waypoints, create flight plan “grid box”

Do this after Engine Start, before or after takeoff. Eyes outside while plane is taxiing – do this only while the airplane is stationary

KEY:

B	Turn big (outer) knob
S	Turn small (inner) knob
RANGE	Press named knob or softkey
ENT	Press named hardkey

All Tasks start at Map Page 1 (hold CLR for 2 seconds)

Clear all existing Flight Plans

1. **FPL**
2. **S** to “Flight Plan Catalog” page.
3. **MENU**
4. **S** to “Delete All”
5. **ENT**
6. **ENT**

Modify 4 existing Waypoints (eg GPTNE)

1. **B** to WPT page group.
2. **S** to “User Waypoint” page.
3. Press **S** knob to get cursor.
4. **B** down to “User Waypoint List”, continue to “GPTNE”.
 - a. **ENT** to get to detailed info & modify.
 - b. **B** to lat/long area.
 - c. **S** right one to start editing.
 - d. Using **B** to move field to field, and **S** to modify a field, edit the lat/long.
 - e. When correct: **ENT** to save.
 - f. **B** right to next waypoint, eg GPTNW.
 - g. <Repeat for all 4>
5. Hold **CLR** for 2 seconds → Map Page 1
6. **RANGE** out, PAN*, verify 4 GPT waypoints form a square.

Create a new Flight Plan

1. **FPL**
2. Press **S** knob to get cursor.
 - a. **B** to put cursor on blank line.
 - b. **S** right once to add a waypoint.
 - c. **S** left once to get to shortcuts
 - d. **S** right to “RECENT”
 - e. **B** right (down) to desired waypoint name
 - f. **ENT**
 - g. **ENT**
 - h. <Repeat for all waypoints>

Store a Flight Plan

1. **FPL**
2. **S** to “Active Flight Plan” page.
3. **MENU**
4. **B** to “Store Flight Plan”.
5. **ENT** (dialog asks to store to #1?)
6. **ENT** (yes, store it)

PAN

Press **RANGE** to get arrow pointer. Move “joy stick” to move pointer on map