

Garmin GPS III Plus

Data Collection



Objectives

Collect:

- Waypoints
- Average Position Waypoints
- Multiple Tracks in One Track Log

Summary of Topics

**Mark Waypoint (hot key)
Average Position Waypoint
Active Track**

**Waypoints: Collecting Data
with “Hot Key” Mark**

Collect "Hot Key" Waypoint

Press and hold Enter (Enter/Mark)



Mark Waypoint

■ 001 **Done**

Comment	Reference
CRTD 15:40 19-DEC-02	----- Bearing
Position	000° Distance
N 61°13'02.8" W149°52'59.2"	0%

-All values frozen
-No values stored yet

Modify Mark Waypoint Screen (Optional)

Waypoint Name, max 6 characters → 001

Waypoint Symbol → ■

DO NOT EDIT-needed for ArcView

Current position → N 61°13'02.8"
W149°52'59.2"

Mark Waypoint

Done

Comment	Reference
CRTD 15:40 19-DEC-02	----- Bearing
Position	000° Distance
N 61°13'02.8" W149°52'59.2"	0%

Change Waypoint Symbol

The diagram illustrates the process of changing a waypoint symbol in three stages:

- Use Rocker Keypad:** A close-up of the GPS III PLUS keypad with an arrow pointing to the rocker key.
- Highlight Waypoint Symbol:** The screen displays 'Mark 001' with a square symbol next to the number. The symbol is highlighted with a white box.
- Press Enter:** A close-up of the keypad with an arrow pointing to the 'ENTER' button.
- Final Screen:** The screen shows 'Mark 001' with a square symbol containing a circled 'X' next to it, indicating the new symbol.

Screen content details:
Mark 001
Comment
CRTD 15:4
19-DEC-0
Position
N 61°13'02
114.40°E9'E0

Change Waypoint Name


The diagram illustrates the process of changing a waypoint name in three stages:

- Use Rocker Keypad:** A close-up of the GPS III PLUS keypad with an arrow pointing to the rocker key.
- Highlight Waypoint Name:** The screen displays 'Mark Wayp 001' with the number '001' highlighted by a white box.
- Press Enter:** A close-up of the keypad with an arrow pointing to the 'ENTER' button.
- Final Screen:** The screen displays 'Mark Wayp HELPAD' with 'HELPAD' highlighted by a white box.

Screen content details:
Mark Wayp
ent
D 15:40
1-DEC-02
on
1°13'02.8"
10°E9'E0 9"

Store Mark Waypoint


Use Rocker Keypad



Highlight "Done"


Mark Waypoint	
Ⓜ HELPAD	
Comment	Reference
CRTD 15:40 19-DEC-02	-----
Position	Bearing
N 61°13'02.8" W149°52'59.2"	000° ↑
	Distance
	0m ↑

Press Enter

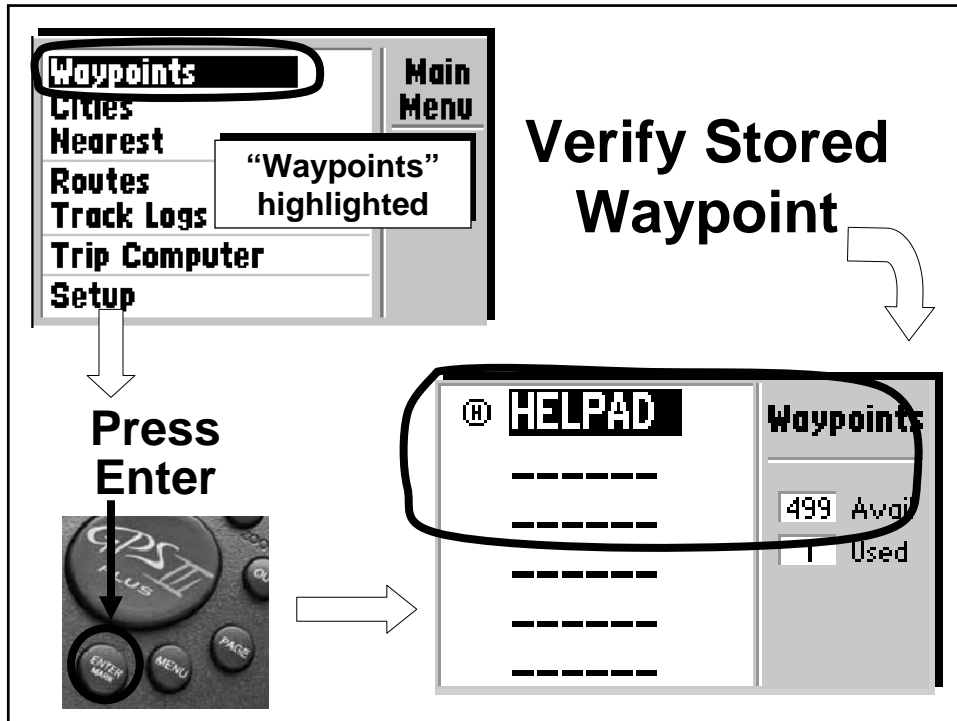


Display "Main Menu"

Press Menu Twice



Waypoints	Main Menu
Cities	
Nearest	
Routes	
Track Logs	
Trip Computer	
Setup	



Waypoints: Collecting Data with Averaged Waypoints

Collect Average Position - Start with Mark Waypoint

This will be name of Average Position when stored

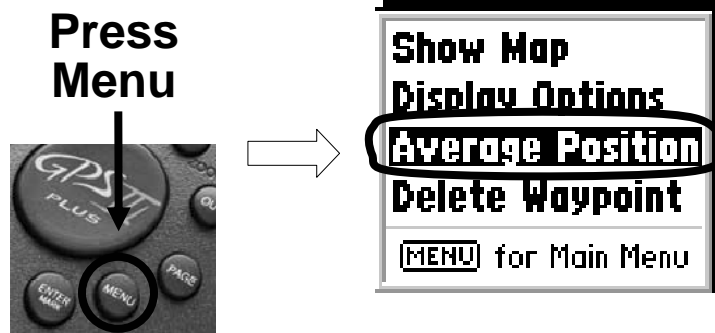
Mark Waypoint

001 Done

Comment	Reference
CRTD 14:50 30-DEC-02	-----
Position	Bearing
N 61°05'59.0" W149°44'43.3"	000°
	Distance
	1?

Note initial position coordinates

Select Average Position



Opens Average Position Page

Press Enter

Position
N 61°05'59.6"
W 149°44'43.3"

Estimated Accuracy
10.4m

Measurement Count
00000005

Average Position

Discard

Save

Note Estimated Accuracy and Measurement Count

Save Average Position

Position
N 61°05'59.9"
W 149°44'43.3"

Estimated Accuracy
10.4m

Measurement Count
00000032

Average Position

Discard

Save

When Estimated Accuracy and Measurement Count are acceptable press "Save"


View Stored Average Position

Mark Waypoint	
001	1 position
Comment	Reference
CRTD 14:41 30-DEC-02	-----
Position	Bearing
N 61°05'49.7" W149°44'43.3"	000°
	Distance
	1 ^m

Mark Waypoint	
001	32 positions
Comment	Reference
CRTD 14:50 30-DEC-02	-----
Position	Bearing
N 61°05'59.9" W149°44'43.3"	000°
	Distance
	22 ^m

No indication this is an Averaged Position - Document on Metadata Form!

Caution When Viewing Map Page!

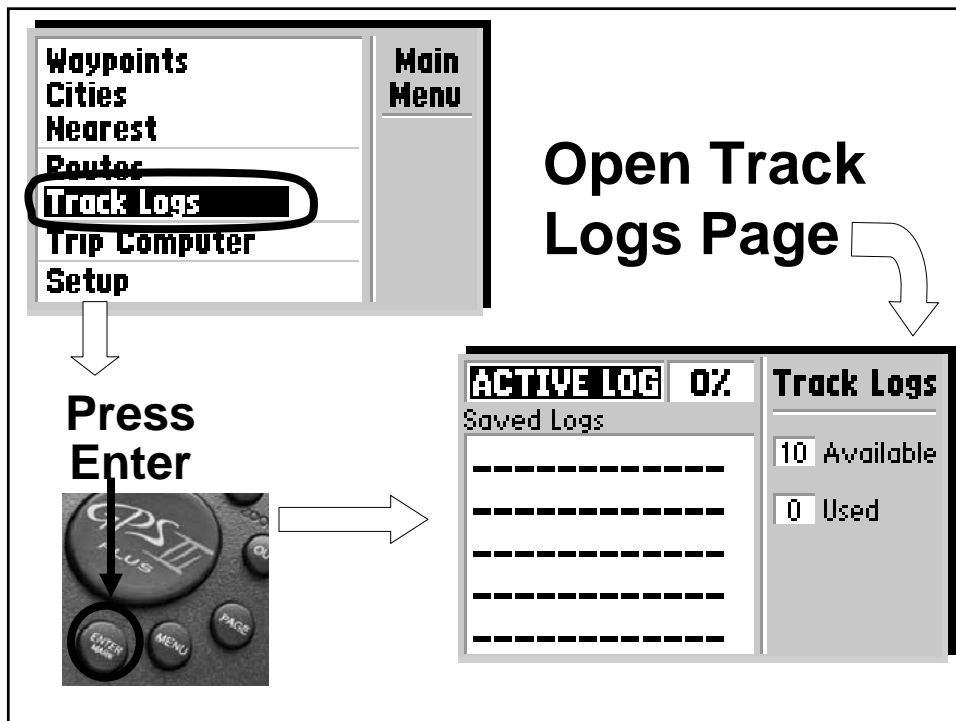


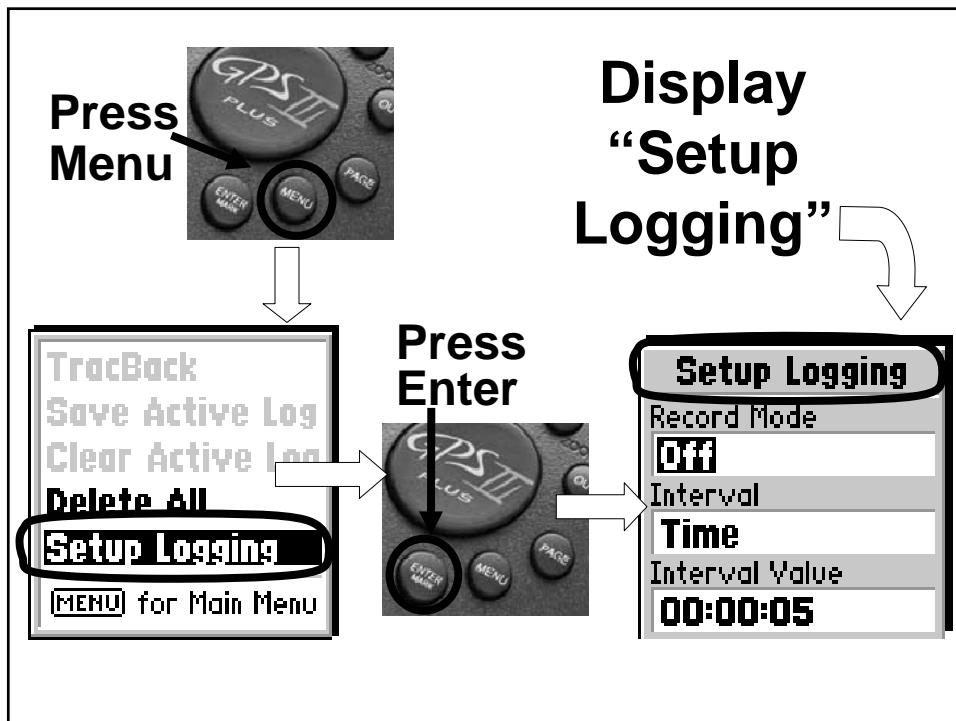
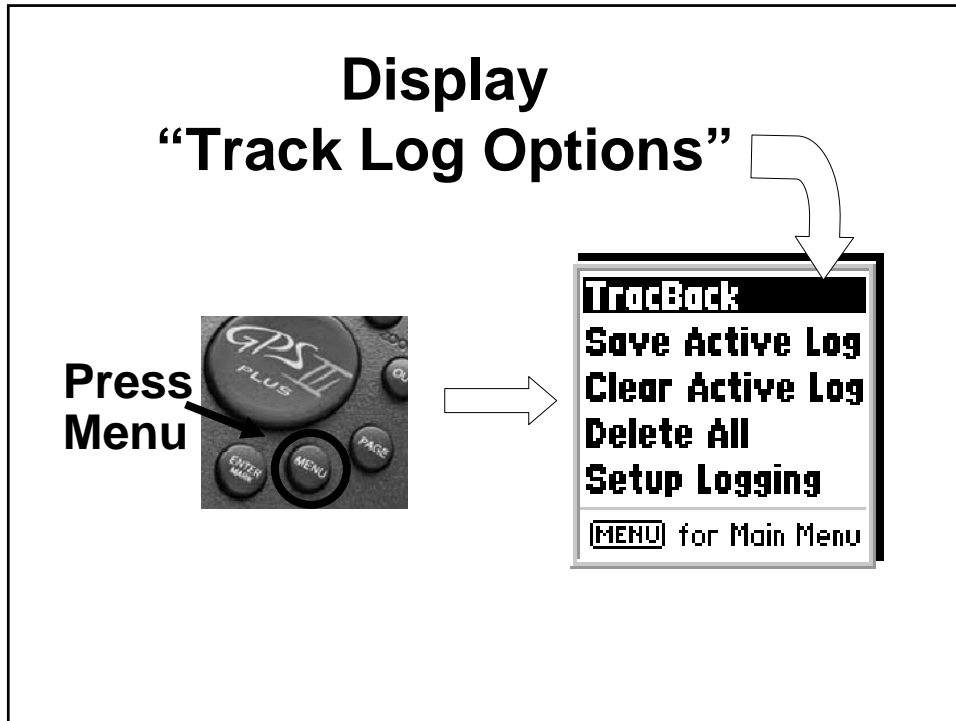
If arrow present, then waypoint collected will be a Map Waypoint, not a GPS-calculated waypoint

New Map Waypoint

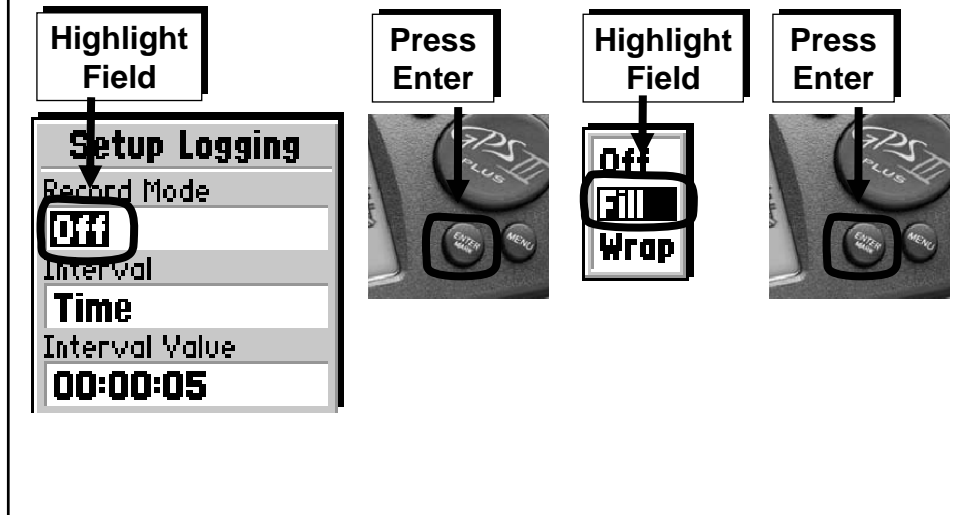
ANCHRG	Done
Comment	Reference
ANCHORAGE	-----
Position	Bearing
N 61°10'20.5" W149°11'30.7"	074°
	Distance
	19.26 ^m

Track Logs: Collecting Data with the Active Track

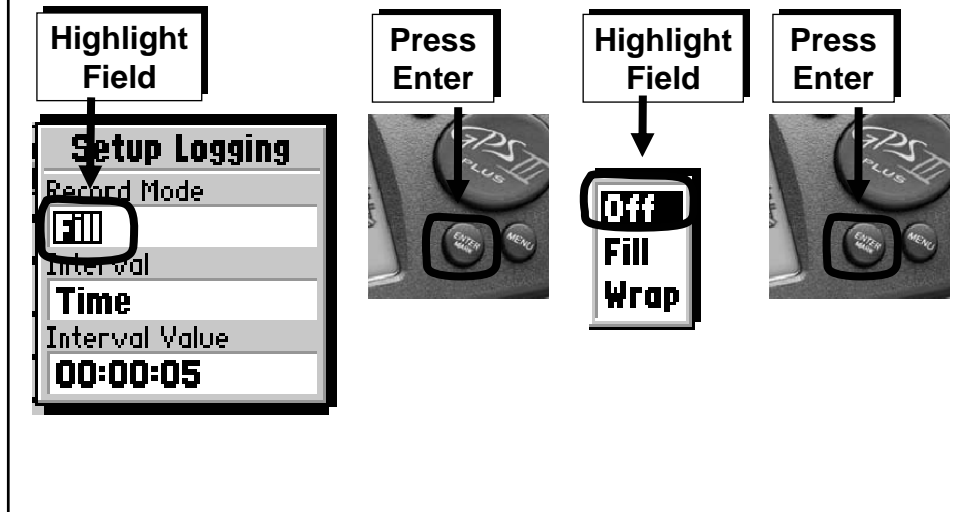


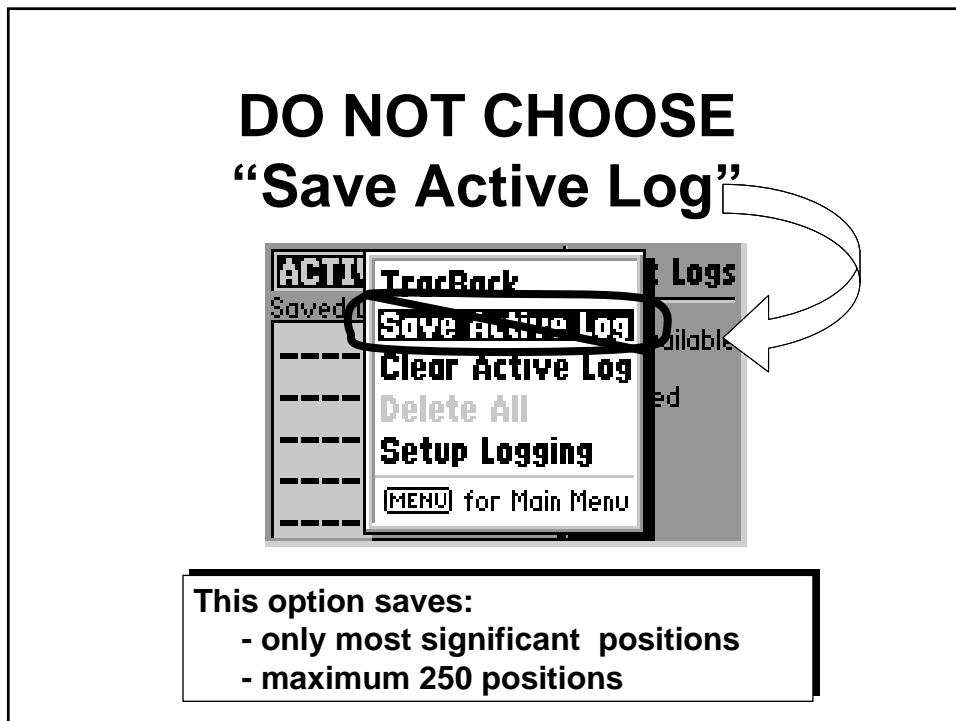
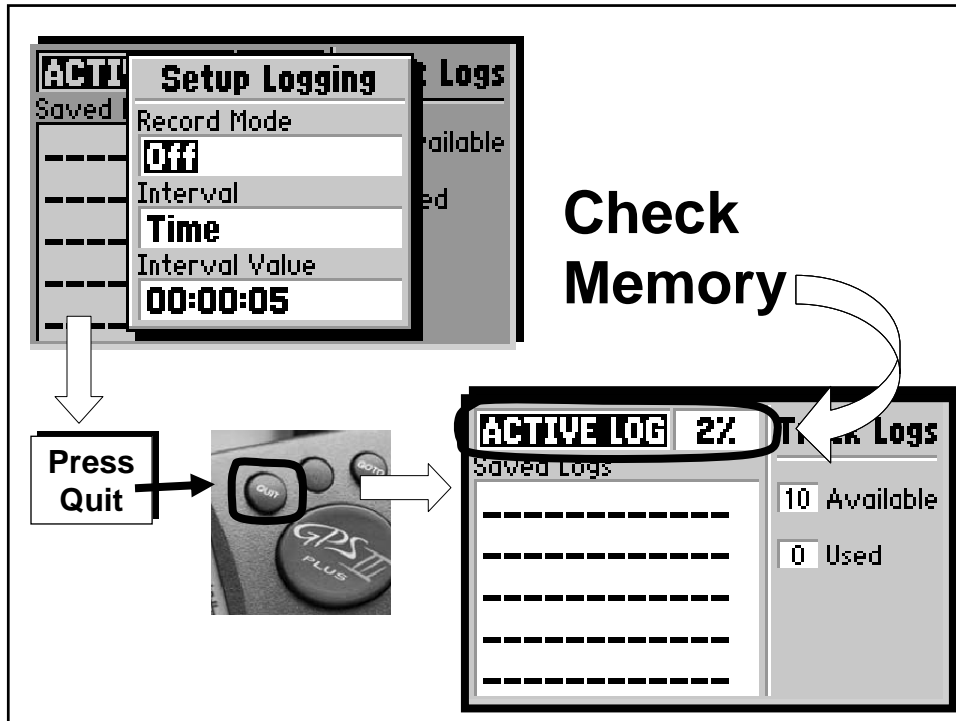


Start 1st Track Collection by Setting Record Mode to “Fill”

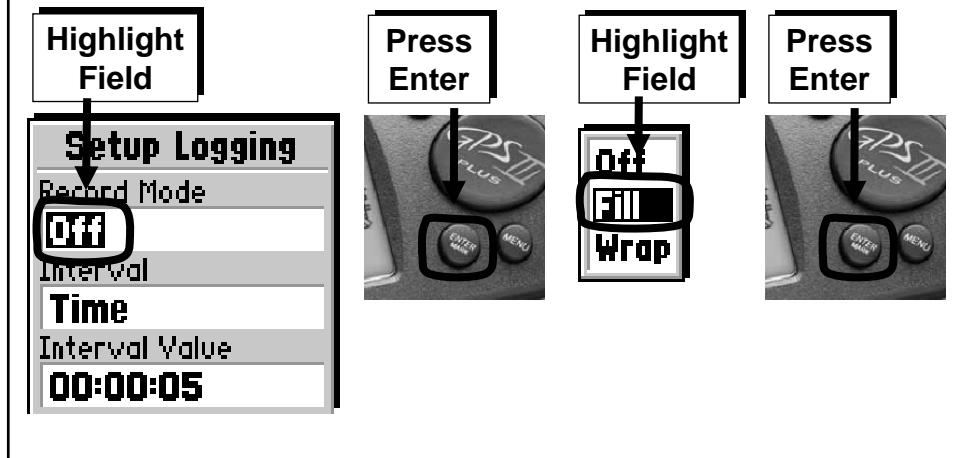


Stop 1st Track Collection by Setting Record Mode to “Off”

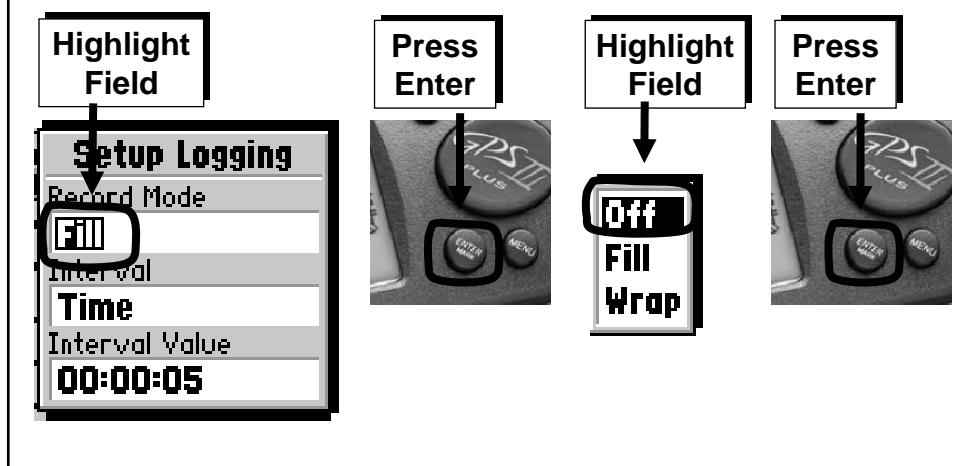




Start 2nd Track Collection by Setting Record Mode to “Fill”

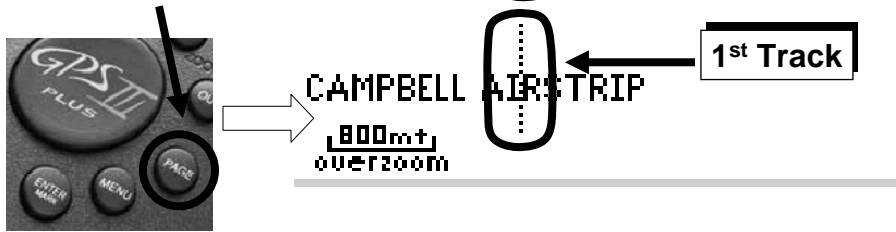


Stop 2nd Track Collection by Setting Record Mode to “Off”

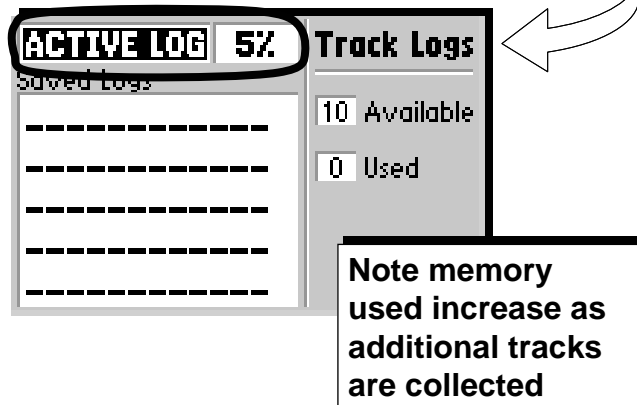


View Track Logs on Map Page

Press Page
to get to
Map Page
back to
Main Menu



Check Memory After Collecting 2nd Track



Summary of Topics

Mark Waypoint (hot key)
Average Position Waypoint
Active Track