Altitude Display Configuration

Stratos Tactical GPS Altimeter · https://deepandsteep.io/knowledge/stratos-altitude-display-configuration/

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The Stratos can show altitude on its own, or with live GPS data such as ground speed, ground track and distance to the DIP.

By default, the Stratos shows only the altitude, in large numbers that are easy to read in all light. Experienced jumpers can set up the freefall and canopy displays to show GPS data.

In the Aircraft

When the Stratos detects the climb, the altitude screen changes to a **fixed** layout for spotting and exit separation. After exit, it changes to the display set in Settings → Altitude Display → Mode.

[Stratos altitude screen in the climb with no HARP set: ground track 075, ground speed 0, altitude 2.34, Lz 4.2 and vertical speed 2950]

Without a HARP

[Stratos altitude screen in the climb with a HARP set: ground track 270, ground speed 92, altitude 11.8, Ha 4.2 and Et 4 minutes 32 seconds]

With a HARP

Corner	Without a HARP	With a HARP
Top left	Ground track (**Gt**)	Ground track (**Gt**)
Top right	Ground speed (**Gs**)	Ground speed (**Gs**)
Bottom left	Distance to the DIP (**Lz**)	Distance to the HARP (**Ha**)
Bottom right	Vertical speed (**V+** climbing, **V-** descending)	Estimated time to the HARP (**Et**)

The altitude is in the center. Every field except altitude and vertical speed needs a GPS signal, and the distances need an active DIP or HARP. See GPS Markers – DIP and HARP. To change the units, see Display Units.

Standard Display

[Stratos Standard altitude display in freefall showing 12.5]

Standard display

By default, the display in freefall and under canopy is **Standard**: only the altitude, in large, easy-to-read numbers.

Deep and Steep recommends the Standard display for newer jumpers, AFF students and anyone who does not need GPS data in the air.

Nav Display (GPS Navigation Data)

[Stratos Nav display under canopy: ground speed 24, Turn to DIP left 45, altitude 3.21, DIP distance 1.9 with an exclamation mark, current glide 2.1 with an exclamation mark]

Nav display under canopy

[Stratos Altitude Display menu: Mode Nav CP+FF, Setup Display, DIP Glide Altitude]

Altitude Display menu

1. From the Home screen, press the center button, and select Settings → Altitude Display.
2. Select **Mode**. Each press of the center button changes the setting to the next option.

- **Standard**: Displays only the altitude, in freefall and under canopy.
- **Nav CP**: Displays GPS data under canopy, and the Standard display in freefall.
- **Nav CP+FF**: Displays GPS data in freefall and under canopy.

Note

Mode does not change the fixed climb screen. On the ground, Nav CP and Nav CP+FF show your Nav layout, and Standard shows the large altitude.

Setup Display

Setup Display on the same menu sets what each corner of the Nav display shows.

1. Select **Setup Display**. The screen shows the layout, with the corner you are changing underlined and its field named in the middle.
2. Press the up or down button to change the field for that corner.
3. Press the center button to move to the next corner: top left, top right, bottom left, bottom right. After the last corner, the Stratos shows the finished layout for a moment and returns to the menu.

[Stratos Setup Display screen with the top-left corner underlined and G. Speed named in the middle]

Setup Display

Field	Shown as	What it shows
G. Speed	Gs	The speed across the ground. Winds aloft change the ground speed, so do not expect it to match the forward speed of the canopy.
G. Track	Gt	The direction of movement across the ground in degrees, rounded to the nearest 5. Winds can cause drift, so the ground track is not always your canopy heading. It is relative to true north unless a magnetic declination is set (see Magnetic Declination).
DIP Dist	Lz	The distance to the active DIP, up to 99.9.
V. Speed	V+ / V-	Vertical speed. V- is descending, V+ is climbing.
DIP Glide	Lg	The glide ratio needed to reach the DIP from your current altitude.
Cur. Glide	Gl	Your current glide ratio. **++** means you are not descending.
Turn to DIP	Tu	The degrees to turn toward the DIP: **15>** turn right, **<15** turn left, **^** heading straight at it.
None		Leave this corner blank.

A GPS field shows **-** when the Stratos has no GPS fix. **Lz**, **Lg** and **Tu** always refer to the DIP.

DIP Glide Altitude

DIP Glide Altitude sets how high above the ground you want to be when you reach the DIP. The Stratos uses it for DIP Glide and for the glide warning. Select **DIP Glide Altitude**, and enter the height on the **DIP Glide Alt** screen, in your altitude units.

Glide Warning

An **!** after **DIP Dist** or **Cur. Glide** is the glide warning: at your current glide ratio you will not reach the DIP with at least the DIP Glide Altitude to spare.

[Stratos Nav display under canopy with the glide warning: DIP distance 1.9! and current glide 2.1!]

Glide warning

[Stratos Nav display under canopy without the glide warning: DIP distance 1.9 and current glide 3.4]

No glide warning

Example

DIP Glide Altitude is set to 1,000 ft, and the display shows **Gl 1.6!**. Your current glide ratio is 1.6 to 1, and at that glide ratio you will not reach the DIP with at least 1,000 ft to spare.

Note

In Lockdown mode, the Stratos shows the Standard display at all times, including the climb. See Training Aides and Lockdown Mode.