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FAQ: How can I add waypoints? What is the file-format?

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FAQ: How can I add waypoints? What is the file-format?

by **KineticNathan** » December 1st, 2005, 11:05 am

Question: How can I add a waypoint?

Answer: To add a waypoint to BaseStation, you need to create a new file using notepad in the /Waypoints directory of BaseStation. The file should be named "something".wpt (e.g. "London.wpt").

Each waypoint should be entered as a single line in the file. It must be in the following format:

Description, Waypoint Label, Waypoint Type, Detail Level, Latitude, Longitude, Height

Description

This is a name for the location.

i.e. "Elstree"

Waypoint Label

This is an additional code for the waypoint. This parameter can be left blank.

i.e. "EGTR"

Waypoint Type

The waypoint type indicates what type of waypoint the waypoint is (examples of types are airport, VOR, NDB). It should be a number from 1 upwards.

Users can add additional waypoint types, but the stanard types are as follows:

1 = General
2 = Major Airfields
3 = VOR
4 = NDB
5 = Intersection
6 = TACAN
7 = VRP
8 = ANO
9 = Disused A/D
10 = Parachute
11 = Gliding
12 = Heliports
13 = Hang Gliding
14 = Microlights
15 = Minor Airfields
16 = Location

You can see if these types have been added to on your BaseStation by going to the Display Settings dialog box (click on the Settings->Display Settings menu) and then going to the Waypoints tab.

Detail Level

Detail level determines whether the waypoint will disappear when you zoom out or not. This parameter must have a value of either 1 or 2.

A value of 1 means that the waypoint will always be visible. A value of 2 means that it will disappear when the screen is zoomed out beyond a certain level.

Latitude

This is the latitude of the waypoint in decimal degrees.

Longitude

This is the longitude of the waypoint in decimal degrees.

Height

This is the elevation of the waypoint, and should be given in feet AMSL.

Example

Elstree Aerodrome is contained in a file called UnitedKingdon.wpt. Its waypoint label is EGTR, it is an airport (type 3), it is always visible no matter what the zoom level is, has a latitude of 51.655825N and a longitude of 0.325852778W. Its elevation AMSL is 334ft. Therefore, the line required to display the waypoint is as follows:

Elstree,EGTR,2,1,51.655825,-0.325852778,334

Note that Western longitudes should be entered as negative values, as should southern latitudes.
Nathan Bennett
Kinetic Avionic Products Ltd.

[KineticNathan](#)

Posts: 7
Joined: November 7th, 2005, 11:17 am

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