

USING DIGITAL WAYPOINTS FOR IBA EVENTS

The following instructions refer to the use of Mapsource, as supplied with Garmin GPS systems, and Microsoft Autoroute 2007 software - other software may work in a similar way but this is not guaranteed!

1. Format

- Waypoints used for IBA events will be held in the format Lat/Lon hddd°mm.mmm'.
- To check your version of Mapsource is using the same formatting, select **Edit** from the toolbar, then **Preferences** from the drop down menu. Select the **Position** tab and ensure the grid references are set as above, and the datum box says WGS 84.

2. Inserting waypoints manually

- Select **Edit** from the toolbar, then **New Waypoint**.
- In the **Waypoint Properties** box type or (preferably) copy the new waypoint's **Name** and **Position** into the appropriate boxes. The name given here is what will appear on your GPS.

3. Inserting waypoints from a gdb. file

- Simply select **File** from the toolbar, then **Open** and navigate to the required gdb. file and open it.

4. Transferring waypoints to your GPS

- Select **Transfer** from the toolbar, then **Send to Device**. Make sure your GPS is plugged in - it should appear in the device list (the cable on mine often needs wiggling to make it appear), and you can then click on **Send**. N.b. I recommend you only send waypoints, not routes to your GPS.

5. To transfer waypoints between different formats

- Calculating routes and looking at different options is a lot clearer in Autoroute than it is in Mapsource, but to do this you need to be able to transfer your waypoints from Mapsource into Autoroute.

- To transfer waypoints between different mapping software you can use a piece of software called *GPSU* - this is available as a free download (from <http://www.gpsu.co.uk/>, download version 5.0)
- Once downloaded put an icon for *GPSU* on your desktop. To transfer any mapping software file to another format, simply copy the file of waypoints (n.b. not routes) you want to transfer on to your desktop, then left click on the file and drag it over the *GPSU* icon.
- *GPSU* will open automatically - click OK to Import Pushpins; on the next screen, *Waypoint ID Generation*, select full name if the waypoints are identified with a text indicator (eg a name or a code such as RBR01...). *GPSU* does not like numerical only codes so if your list of waypoints is only numbered (eg 01...) you will need to select *Sequence Number* and put a letter code as a prefix to the numbers.
- The list of waypoints will appear as a list in *GPSU*. To transfer to a different format select *Save As* and save it in the different format. N.b. *GPSU* does not like lists of waypoints as numbers so
- To transfer to an Autoroute file select *Autoroute waypoints txt.*;
To transfer to a Mapsource file select *Mapsource gdb.*;
To transfer to TomTom file select *TomTom Navigator ov2.*
- To open the new file either double click on it or open it via the appropriate software.
- This software will enable you to transfer between waypoints created in any mapping software, even if you do not have that software on your computer. It will also enable you to save files in formats you do not have for other people to be able to access.