



GPS Training – List of commonly used Grid Co-ordinates, Map Datum's and Time Zones for use with your (Garmin) GPS.

We have compiled this list with help from GPS users worldwide who like us feel that a comprehensive list of suggested GPS settings would be useful in an age where we travel more – we hope that over a period of time we can build this list into a free resource that will be available via our website [www.gpstraining.co.uk](http://www.gpstraining.co.uk) if you are able to add to our list or correct the accuracy of anything listed please send the relevant details to us using the contact details below.

Your GPS settings should match the Grid & Datum of the map you are using – details of which should be on the map itself, it is very possible that local maps might be using different systems. **You should never use your GPS without first checking the accuracy and veracity of the position fix with both the Map you are using & the Ground.**

You should take into consideration that many countries have/use several Grids & Map Datum's. Where we know of any grids or datum's you will find them in column's 7 & 8. Details of Map Datum being used by the mapmaker should be on the map itself, it doesn't follow that these are being used by your mapmaker or are the settings for use in your GPS. The settings we suggest are the commonly used settings for that country

Many countries use the UTM system (Universal Transverse Mercator) which is a worldwide standard for geo-referencing. The grid uses one kilometre steps with the earth being divided into 60 zones the first one around the Bearing Straits; even countries used to statute system (miles/feet) use it. The UPS system is the UTM equivalent near the poles

GPST accept no responsibility for loss or damage when using this list (errors or omissions) – you should always check that the position fix presented by the GPS matches a known grid reference on the ground like you hotel for instance before you use the GPS to navigate in earnest.

GPS Training  
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**These are the GPST suggested settings that are commonly used in this country make sure that the map datum agrees with the map you are using details of which should be on the map itself.**

COUNTRY	POSITION FORMAT	MAP DATUM	TIME ZONE/S	GARMIN PRESET
AUSTRALIA	UTM. UPS	WGS84	Adelaide – Brisbane - Darwin Perth – Sydney - Tasmania	NO
AUSTRIA	AUSTRIAN GRID	AUSTRIA	Vienna	YES
ESTONIA	ESTONIAN GRID	None.GRS80	Europe Central	YES
FINLAND	FINISH GRID	WGS84	Helsinki – Europe Central	YES
FRANCE	UTM. UPS	WGS84	Paris - Europe West	NO
GERMANY	GERMAN GRID	Potsdam	Berlin – Munich – Europe Central	YES
HOLLAND	DUTCH GRID	DUTCH	Amsterdam – Europe West	YES
HUNGARY	EVO HUNGARIAN	WGS84	Budapest – Europe Central	YES
ICELAND	ICELANDIC GRID	WGS84	Iceland - Reykjavik	YES
IRELAND	IRISH (ITM)	WGS84	Dublin – Europe West	YES
ITALY	UTM. UPS	WGS84	Rome - Europe West	NO
NORWAY	UTM. UPS	WGS84	Oslo - Europe West	NO
SOUTH AFRICA	South Africa Grid	WGS84		YES
SPAIN	UTM. UPS	WGS84	Barcelona – Madrid - Europe West	NO
SWEDEN	SWEDISH GRID	WGS84	Stockholm - Europe	YES
SWITZERLAND	SWISS GRID	CH1903	Zurich - Europe West	YES
UK	BRITISH GRID	OSGB	London - Europe West	YES
USA	US National Grid	WGS84	Multiple Time Zones	YES