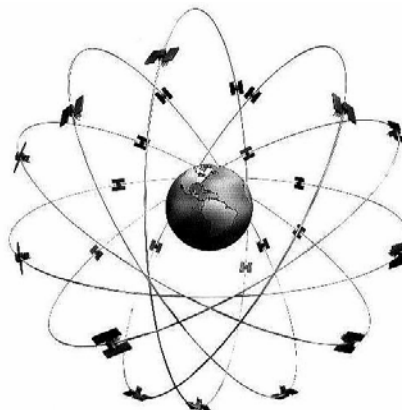


Resources for GPS



GPS Manufacturers

www.garmin.com
www.magellangps.com
www.lowrance.com

GPS Information

www.gpsinformation.net
www.gps4fun.com
www.gpsv.com/gpsinfo
www.gpsworld.com (Magazine)

Mapping/Coordinates/Photos

earth.google.com
www.dnr.state.mn.us/maps/landview.html
www.topozone.com
www.census.gov/cgi-bin/gazetteer
www.geocode.com/eagle.html-ssi
www.topomap.com
www.usgs.gov

GPS Software

www.easygps.com
www.delorme.com
www.gpsu.co.uk

Coordinate Translator

www.jeeep.com/details/coord

Geocaching

www.geocaching.com

MLEP Coordinate Locator

<http://www.mlep.org/GPSMapLocator.htm>

GPS Online Retailers

www.gpsdiscount.com
www.gpsexplorer.com
www.tigergps.com
www.gpsdirect.com

Recommended Books

Title:	GPS Land Navigation
Author:	Michael Ferguson
Publisher:	Glassford Publishing
ISBN:	0-9652202-5-7

Title:	GPS for Dummies
Author:	Joel McNamara
Publisher:	John Wiley & Sons, LTD
ISBN:	0-7645-6933-3

SIX Important Setup Parameters

(Typical/Popular Selection For most GPS Units)

1. <u>Coordinate Systems</u>	The most popular coordinate systems are forms of latitude and longitude. See the chart below.
2. <u>Map Datum</u>	Setup may include 50 to 160 Map Datums on a GPS. Improper Datum selection during setup will cause inaccuracies. The most popular USA Map Datums are <u>WGS 84</u> and <u>NAD 27</u> .
3. <u>North Reference</u>	Select <u>True North</u> or <u>Magnetic North</u> .
4. <u>Navigation Units</u>	Select from <u>Miles/MPH</u> , <u>Kilometer/KPH</u> , <u>Nautical Miles/knots</u> for displaying speed and distance.
5. <u>Elevation Mode</u>	Select <u>2D</u> or <u>3D</u> . The GPS will calculate elevation only in the 3D mode.
6. <u>Time Format</u>	Select a <u>12</u> or <u>24</u> hour time format.

Coordinate System Comparison

Coordinate System	MAX Values (latitude shown)	Example (same location)	Precision (resolution–latitude)
DEG/MIN/SEC	89° 59' 59"	45° 31' 35" N 091° 43' 32" W	101 feet
DEG/MIN/SEC.S (hddd.mm.ss.s) *Garmin 76 Series	89° 59' 59.9"	45° 31' 35.3" N 091° 43' 32.0" W	10 feet
DEG/MIN.MM	89° 59.99'	45° 31.59' N 091° 43.53 W	60 feet
DEG/MIN/MMM (hddd.mm.mmm) *Garmin 76 Series	89° 59.999'	45° 31.589' N 091° 43.531' W	6 feet
DEG.DDDD	89.9999°	45.5265° N 091.7255° W	36 feet
DEG.DDDDD (hddd.ddddd) *Garmin 76 Series	89.99999°	45.52647° N 091.72552° W	3.6 feet

Purchase Considerations

• 12 Channel Parallel • Size/Weight • Screen (Size/Resolution/Color) • Mapping (Topo,streets,marine,aviation) • WAAS • Orientation for Best Reception • Electronic Compass & Barometric Altimeter	• Computer Connection • Memory Size (larger = more maps & points) • Memory Card Capability • Track Handling • Points (number,naming) • Routes (number) • Display Backlight (timer,light levels)
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