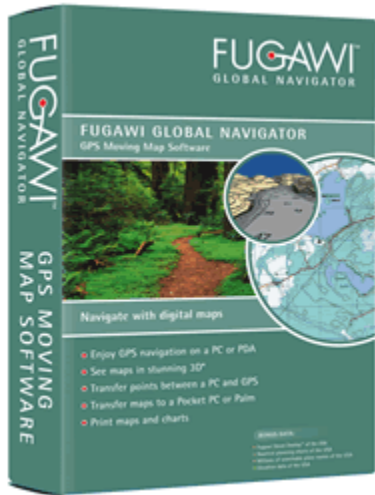


Fugawi Global Navigator Ver. 4.5 GPS Moving Map Software



Fugawi Global Navigator™ is the ideal PC software tool for route planning, GPS programming, and real-time GPS navigation on land, sea and in the air.

With Fugawi Global Navigator you can navigate in real time using the widest variety of digital maps, such as NOAA RNC™, topographic maps, street maps, or with your own scanned paper maps!

Fugawi Global Navigator also brings you the convenience of planning routes, waypoints and tracks on your maps. With a click of your mouse they can be uploaded into your GPS receiver for use in the field. Also, routes, waypoints and tracks created on your adventures can be downloaded from your GPS onto the digital map(s) in Fugawi for analysis.

Also enjoy the included Fugawi PDA Edition for both Palm and Pocket PC, stunning 3D map views, and much more.

Whether cruising the open ocean, fishing your favorite lake, or hiking a new trail, use Fugawi Global Navigator to plan your adventure and find your way. Import your favorite map to explore terrain; view stunning 3D landscapes*; mark your routes; program your GPS; or upload maps to your PDA.

NEW FEATURES IN VER. 4.5:

- Support for optional (and free) Fugawi **Google Earth** Plug-in
- Support for optional PathAway GPS Software for Windows Mobile PDAs
- Support for Microsoft® Vista® operating system.



"I used Fugawi software on Spirit of Canada to navigate around the world. The program was easy to use, accurate and very reliable. When using Fugawi, I always know where I am going."

Derek Hatfield, Skipper, Spirit of Canada,
 Around Alone 2002-3
[>>Click to enlarge](#)

+ Includes Bonus Data Pack for your Region

The boxed version of Fugawi Global Navigator includes your choice of one of four Bonus Data Packs.

The USA Bonus Data Pack includes:

- Elevation data of the USA (to display 3D land maps)
- Fugawi Street Overlay™ of the USA
- Place Names of the USA
- MPC Boaters Directory of the USA
- US Nautical Planning Charts of North America
- World Background Map (1:1,000,000 scale)

With your boxed version order, choose one of four bonus Fugawi [Data Pack](#) DVDs.



Supports for BSB format charts such as the new free-of-charge NOAA RNC™ charts of US coastal waters. [>>Click to enlarge](#)

+ Navigate With Your PC

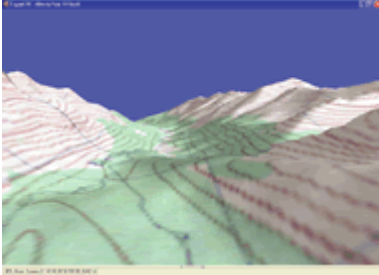
Connect your PC or laptop to a compatible GPS receiver to view your position on a detailed chart, map, or air photo. See speed, position, direction, ETA, and more.



Plan routes and waypoints. Transfer between PC and GPS. [>>Click to enlarge](#)

+ Plan And Transfer Routes

Create routes directly on a nautical chart, street map or topographic map and transfer named waypoints, routes, and tracks between your PC and your handheld GPS or PDA.



+ View Maps In 3D

View your favorite chart or map in stunning 3D*. 'Fly' across the 3D landscape using your mouse, keyboard, or joystick, or view your GPS position in real-time on the 3D chart. A great tool for finding the perfect hiking route.

3D charts add a new perspective when planning your hiking trip. >>[Click to enlarge](#)



+ Overlay Streets and Place Names

Fugawi Street Overlay™ enhances your marine chart or land map by drawing named streets** directly on top. Millions of included place names can also be added to the map.

Overlay Streets on your map for added information >>[Click to enlarge](#)



+ Navigate With Your PDA

Includes Fugawi PDA Edition for Windows Mobile and Palm OS

Upload rasterized maps to your PDA. Connect a GPS and enjoy navigation in the palm of your hand. You can also transfer waypoints, routes, and tracks between your PC and PDA. Supports Pocket PC 2003, Windows Mobile 5, and Palm OS™ V5.x. (Refer to the PDA Compatibility Table for more details).

Supports Optional PathAway GPS Software for Windows Mobile

PathAway is an excellent optional enhancement for those who wish to use their Fugawi maps on a Windows Mobile device

[Click for more details on PathAway...](#)

+ Customize And Print Maps

Open a supported map, or import your own scanned paper map and calibrate it. Add routes, waypoints, or tracks, or freehand

draw on the map. Print a personalized paper copy at the scale of your choice.

+ Other Features

- Support for optional (and free) Fugawi **Google Earth** Plug-in
- Full navigational features: speed, waypoints, routes, distance to go, course to steer, magnetic and true courses
- Show your track and current location on the screen
- NMEA autopilot support
- View the map north-up, map-up, or course-up
- Loads appropriate map from your own digital map library as you travel
- Choose from imperial, metric, or nautical display units
- Draw tracks and routes freehand
- Optimize the number of track points (based on user-specified tolerance) with Smart Track Reduction
- View elevations and profiles of your route
- Link digital photos and sounds to the map
- Calculate areas
- Exports waypoints and tracks with UTM coordinates or Latitude and Longitude
- Day, dusk and night vision display
- Determine Sunrise and Sunset for any location and date
- Display latitude/longitude, UTM, or other region specific grid lines
- **Geocaching** support - click on a map to see local Geocaching sites
- Supported map projections include: Mercator (most nautical charts), Universal Transverse Mercator (many topographical maps), Transverse Mercator, Equidistant Cylindrical, Sinusoidal, Lambert Conformal Conic, Cassini, Swiss Grid, Gauß Krüger, Wagner IV, Lambert Azimuthal Equal Area, Polyconic, Bonne
- Supports grids from: Australia, Belgium, Canada, Finland, Germany, Iceland, Ireland, Israel, Netherlands, New Zealand, Sweden, Switzerland, UK Ordnance Survey, Military Grid Reference System (MGRS) and UTM.
- Optimize the number of track points (based on user-specified tolerance) with Smart Track Reduction
- Loads appropriate map from your own digital map library as you travel
- Supports ESRI Shapefile (.SHP) format export of Waypoints, Routes and Tracks
- Supports GPS Exchange (GPX) format import and export of Waypoints, Routes and Tracks
- Supports Google Earth KML files for import/export of

Waypoints, Routes and Tracks

- Distance and bearing measurement tool
- Fugawi Place Names** lookup - find a name and click to autoload a map
- Plot Fugawi Place names on an open map
- Built-in Odometers and Trip Odometers to calculate distance traveled

+ Supported Map Formats

- BSB Version 1 through 5 raster nautical charts (NOAA RNC™, MAPTECH™, NDI DigitalOcean™, Fugawi, GPS GmbH)
- Softchart charts (NOS/GEO)
- World maps and charts from the Fugawi collection (Fugawi Map of America, Fugawi Canada Maps, Fugawi World Maps)
- Fugawi Street Overlay™ and other Fugawi vector maps
- USGS DRG Topographic Maps and aerial photos
- ECW (including official Australian topo maps)
- SoftMap topo maps Ver. 1-4 (No support for SoftMap Ver. 5, SoftMap not supported in Microsoft Vista)
- eTopo
- TRAK Maps
- GeoGrid®
- Geotiff
- Chart Tiff maps and charts
- TIFF+TFW
- ADRG (Military version only)
- CADRG (Military version only)
- CIB (Military version only)
- Swedish Government digital maps (optional extra upgrade)
- Swiss Map 50 and Swiss Map 25 (Version 3)
- Calibrate any scanned map or raster map file in bmp, gif, jpg, png, pcx, or tif format (must know the map datum and coordinates for three points on the map or have a prepared JPR file)
- Navionics Charts and ENC (S-57) Charts supported by Fugawi Marine ENC only

+ Supported Elevation Data

- Fugawi Elevation Files (FEL)
- Shuttle Radar Topography (SRTM)
- BIL

- DTED
- SDTS
- Australian GRD 9 Second

+ Fugawi System Requirements

- Microsoft® Windows® Vista or XP
- 500 MHz processor or better
- 256 MB RAM
- 250 MB free on HD
- CD Drive
- DVD drive for Bonus Data Pack
- 256 color display or better (graphics accelerator recommended for 3D viewing)
- Mouse or other pointing device
- Serial port for GPS receiver (will also work with PCMCIA serial port emulation or USB with serial adapter).
- Included Fugawi PDA Edition supports Pocket PC 2003, Windows Mobile 5 and Palm OS™ V5.x. (Refer to the PDA Compatibility Table.)
- Software package does not contain GPS, cable, or handheld computer

+ GPS Receiver Requirements

- GPS receiver with NMEA 0183 output
- Serial port or PCMCIA emulation for GPS input or serial to USB adapter
- Supports waypoint, route, and track transfer with most Garmin®, Magellan®, Lowrance®, Silva/Brunton, Furuno, Raymarine, and other models. (Refer to the GPS Compatibility table)
- Supports route transfer with the Suunto X9 and X9i GPS wristwatches.
- Supports real-time navigation with above models plus any GPS with NMEA V2.1 or greater output (requires suitable serial or USB cable).
- Note: Fugawi Global Navigator can be used without GPS to plot and export positions to a text file, view maps and charts, and much more