

**WITH WAAS**  
for even greater accuracy

These sturdy handhelds are right at home on land or sea. They're tough on the outside, waterproof, and yes, they even float. Choose from the basic navigation features of the GPS 76, the

## Rugged, waterproof, unsinkable, WAAS GPS receivers

detailed mapping capabilities of the GPSMAP 76, or detailed mapping plus electronic compass and barometric altimeter features on the GPSMAP 76S.

All of these units are WAAS capable for accuracy to within 3 meters. And you can view your position on a sharp, four-level grayscale screen for excellent separation and contrast.



## specifications

### Navigation features

- Waypoints/icons:** 500 with name and graphic symbol, 10 nearest (automatic), 10 proximity
- Routes:** 50 reversible routes with up to 50 points each, plus MOB and TracBack® modes
- Tracks:** Automatic track log; 10 saved tracks let you retrace your path in both directions
- Trip computer:** Current speed, average speed, resettable max. speed, trip timer and trip distance
- Alarms:** Anchor drag, approach and arrival, off-course, proximity waypoint, shallow water and deep water
- Tables:** Built-in celestial tables for best times to fish and hunt, sun and moon rise, set and location
- Map datums:** More than 100 plus user datum
- Position format:** Lat/Lon, UTM/UPS, Maidenhead, MGRS, Loran TDs and other grids, including user grid

### GPS performance

- Receiver:** WAAS enabled, 12 parallel channel GPS receiver continuously tracks and uses up to 12 satellites to compute and update your position
- Acquisition times:**  
 Warm: Approximately 15 seconds  
 Cold: Approximately 45 seconds  
 AutoLocate™: Approximately 5 minutes
- Update rate:** 1/second, continuous
- GPS accuracy:**  
 Position: < 15 meters, 95% typical\*  
 Velocity: 0.05 meter/sec steady state
- DGPS (USCG) accuracy:**  
 Position: 3-5 meters, 95% typical  
 Velocity: 0.05 meter/sec steady state
- DGPS (WAAS) accuracy:**  
 Position: < 3 meters, 95% typical  
 Velocity: 0.05 meter/sec steady state
- Dynamics:** 6 g's
- Interfaces:** RS232 with NMEA 0183, RTCM 104 DGPS data format and proprietary GARMIN
- Antenna:** Built-in quadrifilar, with external antenna connection (MCX)
- Differential:** DGPS, USCG and WAAS capable

### Moving map features

- Basemap:** (GPS 76) Marine database. Preloaded with worldwide cities, nav aids, Americas and U.S.A. tide data
- (GPSMAP 76 and GPSMAP 76S) Detailed basemap with cities, highways, interstates, exit info, rivers, lakes; Preloaded with worldwide cities, nav aids, Americas and U.S.A. tide data
- Uploadable maps:** (GPS 76) Accepts up to 1 megabyte of data from the optional MapSource™ Points of Interest CD\*\*
- (GPSMAP 76) Accepts up to 8 megabytes of downloaded map detail from a variety of optional MapSource CDs\*\*
- (GPSMAP 76S) Accepts up to 24 megabytes of downloaded map detail from a variety of optional MapSource CDs\*\*

### Electronic compass feature (GPSMAP 76S only)

- Accuracy:** ±2 degrees with proper calibration (typical); ±5 degrees extreme northern and southern latitudes
- Resolution:** 1 degree

### Barometric altimeter feature (GPSMAP 76S only)

- Accuracy:** 10 feet with proper calibration (user and/or automatic calibration)
- Resolution:** 1 foot
- Range:** -2,000 to 30,000 feet
- Elevation computer:** Current elevation, resettable minimum and maximum elevation, ascent/descent rate, total ascent/descent, average and maximum ascent/descent rate
- Pressure:** Local pressure (mbar/inches HG), 12-hour automatic pressure trend recording

### Power

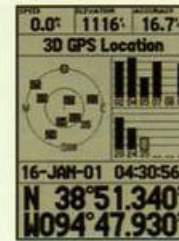
- Source:** Two "AA" batteries (not included)
- Battery life:** Up to 16 hours; 10 hours typical on GPSMAP 76S

### Physical

- Size:** 2.7"W x 6.2"H x 1.2"D (6.9 x 15.7 x 3.05 cm)
- Weight:** Less than 1 pound (454 g)
- Display:** 1.6"W x 2.2"H (4.1 x 5.6 cm) 180 x 240 pixels, high-contrast FSTN with bright backlighting
- Case:** Fully gasketed, high impact plastic alloy, waterproof to IEC 529 IPX7 standards
- Temp. range:** 5°F to 158°F (-15°C to 70°C)
- User data storage:** Indefinite, no memory battery required

### Accessories

- Standard:** PC interface cable  
 Owner's manual  
 Quick reference guide  
 Wrist strap
- Optional:** Automotive mount  
 Marine mount  
 Carrying case  
 12-volt adapter cable  
 Power/data cable  
 Remote GPS antenna  
 MapSource™ CD-ROMs  
 Instructional video



The satellite status page shows which satellites are being received, along with your position.



With downloaded points of interest, you can look up destinations and view detailed information.



The GPSMAP 76 accepts downloaded map detail, including topo maps with elevation information.



The barometric altimeter feature on the GPSMAP 76S provides elevation profiles.

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Specifications are preliminary and subject to change without notice.

\* Subject to accuracy degradation to 100m 2DRMS under the U.S. Department of Defense imposed Selective Availability Program.

\*\* These units are also able to transfer waypoints, routes and tracks between the PC and GPS using MapSource™.

