

## NavTalk GSM specifications

### Phone specifications

Type:	GSM
Frequency range:	900/1800 MHz
Channel spacing:	200 kHz
Frequency stability:	±0.1 ppm
RF output power:	Class 4 (GSM); Class 1 (DCS)

Phone features:	Built-in data modem with support of 14.4 kbps data rates SMS messaging capability WAP Internet browsing capability Speed dial Auto answer with call-in-absence indication and time stamp Vibrator for silent alert Signal strength and battery indicators Keypad lock Ring tone options and volume control Lifetime and resettable call timers Automatic or manual network selection Organizer with contact database, calendar and "tasks" list
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### Integrated phone/

GPS features:	One-time, user-initiated location transmission using SMS or continual updates through dedicated data channel Easy transfer of waypoints using SMS Server-based address lookup with turn-by-turn directions through SMS or dedicated data channel (when available through operator)
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### Moving map features

Basemap:	Built-in map contains country boundaries, lakes, rivers, streams, airports, cities, towns, coastlines, highways, local thoroughfares and secondary roads within metro areas
CD-ROM:	Accepts downloadable map detail from GARMIN MapSource™ CD-ROMs which provide street-level detail, shorelines, addresses, listings of nearest restaurants, hotels, ATMs and more
Map scale:	Screen-width scale 500 feet to 3,000 miles

### Navigation features

Waypoints:	500 with name and graphic symbol
Track log:	2000 track log points plus 10 saved tracks
TracBack™:	Navigate saved tracks
Trip computer:	2 resettable odometers, timers, average and maximum speeds

### GPS performance

Receiver:	Differential-ready, 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 2 minutes
Update rate:	1/second, continuous
Accuracy:	
Position:	15 meters (49 feet) RMS*
Velocity:	0.1 knot RMS steady state

Dynamics:	6 g's
Interfaces:	RS232 with NMEA 0183, RTCM 104 DGPS and proprietary GARMIN data formats
Antenna:	Built-in patch; standard MCX-type connector for optional external antenna connection

### Physical

Size:	133 x 51 x 24 mm
Weight:	170 g
Display:	31.7 mm x 38.4 mm (132 x 160 pixels), FSTN, 4-level gray scale, with electro-luminescent backlighting

Data storage:	Indefinite; no memory battery required; SIM card
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Internal memory:	16 MB for map storage; 1.0 MB for general purpose memory
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### Power

Source:	Lithium-ion rechargeable battery or 12-volt adapter cable
Battery life:	Up to 12 hours GPS; 8 hours talk time; 300 hours standby

### Accessories

Standard:	Travel charger User's manual Quick reference guide
Optional:	Automotive dash bracket Portable hands-free vehicular adapter Carrying case 12-volt adapter Data cable External phone antennas External GPS antennas GARMIN MapSource™ CD-ROMs



Choose from multiple phone, GPS and PDA functions—all from one versatile handset.

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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.