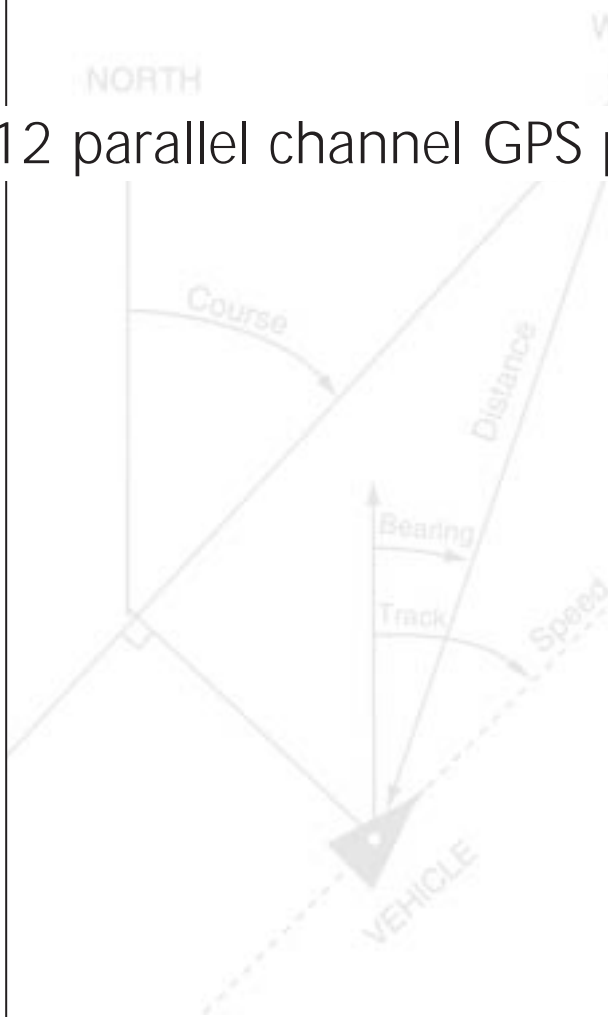




The GARMIN GPS 12 series products are as rugged as GPS gets. Military-tough construction and waterproof cases make these units ideal companions for any outdoor adventure. All feature a 12-

Affordable 12 parallel channel GPS performance

channel receiver that locks onto satellites fast and stays locked on, even under extreme conditions. These units may be tough on the outside, but their operations are easy and logical. The keypad is designed for one-hand operation and the large, crisp display gives you a clear picture of where you are. The GARMIN GPS 12 series. Satellite navigation you can count on, pure and simple.



GPS 12 series specifications

Navigation features

Routes: 20 reversible routes with up to 30 points each, plus MOB and TracBack™ modes

TracBack™: Automatic track log navigation

Map datums: 107 including one User Datum

Coordinates: Lat/Lon, UTM/UPS, plus other grids, including Maidenhead and User Grid

Performance

Receiver: 12 parallel channel receiver continuously tracks and uses up to 12 satellites to compute and update position

Acquisition times: Approx. 15 seconds warm, 45 seconds cold, 5 minutes with AutoLocate™ and 45 seconds with EZinit, easy initialization

Update rate: 1/second, continuous

Accuracy: 15 meters (49 feet) RMS*, 1-5 meters (3-15 feet) RMS with GARMIN GBR 21 DGPS receiver (optional) and up to 0.1 knot RMS steady state velocity

Dynamics: 6g's

Interfaces: NMEA 0183 and RTCM 104 DGPS corrections

Antenna: Internal patch

Power

Source: 4 AA batteries

Physical

Size: 2.1"W x 5.8"H x 1.2"D (5.3 x 14.7 x 3.1 cm)

Weight: 9.5 ounces (269 g) with batteries

Display: 2.2"H x 1.5"W (5.6 x 3.8 cm) high-contrast LCD with backlighting

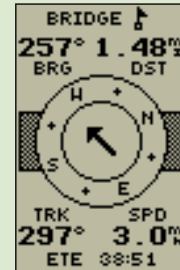
Case: Ultrasonically welded, waterproof to IPX-7 standards

Temperature range: 5°F to 158°F (-15°C to 70°C)
5°F to 124°F (-15°C to 55°C) on 12 CX

Memory backup: Internal rechargeable lithium battery

Accessories

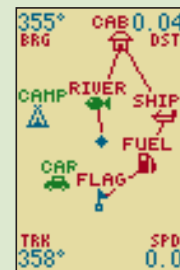
Standard: User's manual
Quick reference guide
Wrist strap
Batteries and carrying case standard on 12XL and 12CX
PC interface cable standard on 12MAP



Graphic steering guidance keeps you oncourse.



Download street-level mapping detail from compatible CDs to the GPS 12MAP.



The color screen on the GPS 12CX helps you sort out information-filled pages.

Here's how the units are different

GPS 12



GPS 12XL



GPS 12CX



GPS 12MAP



	GPS 12	GPS 12XL	GPS 12CX	GPS 12MAP
battery life	24 hours	24 hours	36 hours	36 hours
waypoints/icons	500/yes	500/yes	1000/yes, 4 colors	500/yes
track log	1024 points	1024 points	2048 points	1900 points
languages	9	9	9	English only
Loran TDs	yes	yes	yes	no
external ant. hookup	no	yes	yes	yes
voltage range	5-8 volts	10-32 volts	10-32 volts	10-32 volts
proximity waypoint database or map	yes	yes	yes	no
	no	city point database	city point database	detailed basemap; MapSource™ compatible

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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.