The GARM IN 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-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 GARM IN 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: 5ºF to 158ºF (-15ºC to 70ºC)
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
Optional: PC interface cable standard on 12MAP

Here’s how the units are different

GPS 12
GPS 12XL
GPS 12CX
GPS 12MAP

battery life
waypoints/icons
track log languages
Loran TDs
external ant. hookup
voltage range
proximity waypoint
database or map
24 hours
500/yes
9
yes
5-8 volts
no
8
no
24 hours
500/yes
9
yes
10-32 volts
yes
10-32 volts
no
36 hours
1000/yes, 4 colors
9
yes
yes
36 hours
1000/yes, 4 colors
9
yes
yes
36 hours
1000/yes, 4 colors
9
yes
yes
detailed basemap; MapSource compatible

g
500/yes
2048 points
10-32 volts
1900 points
English only
10-32 volts
no
detected basemap; MapSource compatible

d
no
d
no
d
d

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.