



# MPS865

## MARINE POSITIONING SYSTEM GNSS RECEIVER

The Trimble® MPS865 is a highly versatile, rugged and reliable Global Navigation Satellite System (GNSS) positioning and heading solution for a wide variety of real-time and post-processing applications for Marine survey and construction. It brings a new level of connectivity to the marine positioning user and features integrated communications options such as Bluetooth, WiFi, UHF radio, cellular modem for Internet connectivity and MSS satellite based correction channels.

With a modular form factor, the MPS865 is flexible and can be used as an integrated on-board rover receiver, a base station, or a continuously operating reference station. The built-in precise heading feature ensures the receiver is of minimal size, consumes less power, and has less cabling which are all benefits when on-board space it at a premium.

The MPS865 adds new features to improve usability in a congested marine construction site - multi constellations, cellular connectivity, and beacon support. The multi-constellation option maintains productivity in marine sites or when antennas/satellites are partly obstructed. At many sites, the receiver can use the free-to-air beacon support. When coupled with the GA830 antennas the MPS865 will receive the free-to-air beacon signals to deliver sub-meter accuracy horizontal positioning in many parts of the world. It always delivers precise heading even when no GNSS corrections are received.

The Trimble MPS865 marine receiver has cellular inside - it's now easier to use base-station-free VRS on a site as well as communicate with the receiver via the internet and SMS messages. The receiver can also be used as a data access-point on the vessel to download design files or for immediate remote support.

The patented GNSS-centric technology uses all available GNSS signals to deliver reliable positions in real-time. The MPS865 GNSS receiver allows the connection of two GNSS antennas for precise heading.

The MPS865's unique design enables a broad range of mounting capabilities. In addition to the wide range of built-in communication options, the MPS865 features an internal removable battery, internal memory, and optional accessory kits for specific applications. The receiver is also compatible with a variety of software solutions including the new Trimble Marine Construction software. The weatherproof, high-impact-resistant molded aluminum housing ensures the user's investment is safe in extreme marine conditions, which is important for marine project sites or base station applications.

### Key Features

- ▶ Rugged design built for marine environments
- ▶ Patented GNSS technology
- ▶ 480-channel tracking
- ▶ Dual GNSS antenna inputs for heading
- ▶ 1 PPS output
- ▶ OLED display, keyboard, and Web UI
- ▶ Optional internal transmit and receive 450 MHz UHF radio
- ▶ 3.5G cellular modem
- ▶ Bluetooth and WiFi communication
- ▶ SMS and email alerts
- ▶ Anti-theft technology
- ▶ Backup RTK - Hot Standby
- ▶ RTK bridge to rebroadcast corrections
- ▶ 2 MSS L-band channels



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## ABOUT TRIMBLE MARINE

Trimble offers flexible, high-performance positioning systems to meet the unique needs of marine construction on both simple and complex projects. Solutions include both hardware and software, and can be easily integrated into third-party systems. The portfolio includes marine information systems, GNSS receivers, antennas, radios and inertial positioning systems.

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