

Trimble MPS566 Model 2

Modular GNSS heading receiver

Precise positioning and heading, anywhere

The **Trimble® MPS566 Model 2 modular GNSS heading receiver** is a high accuracy, dual-antenna receiver with advanced connectivity. The MPS566 Model 2 delivers highly accurate positions and orientation from a wide variety of GNSS correction sources. Using constellation-agnostic Trimble ProPoint® technology, the MPS566 Model 2 performs in even the most challenging GNSS conditions.

This 'all-in-one' unit incorporates the latest industry-leading positioning technology along with a full suite of modern communications capabilities, in a rugged, compact housing that can withstand even the harshest of work environments. With a modular form factor, the MPS566 Model 2 receiver is flexible and can be used as an integrated position, heading and communication receiver on machines, vessels or vehicles. The MPS566 Model 2 receiver allows the connection of two GNSS antennas for precise heading.

More productive with multi-constellation

Stay productive with multi-constellation support for the best positioning availability, accuracy and resilience even in challenging environments. Obtain precise position and heading when antennas have an obstructed view of the sky, or where multipath may be present. The MPS566 Model 2 receiver with INS enabled always delivers precise heading, even during short GNSS outages.

- All-in-one unit saving space and power requirements.
- Internal dual-band UHF radio, Wi-Fi®, Bluetooth®, MSK Beacon and 4G LTE communications.
- LTE supports IBSS, Trimble VRS Now and NTRIP internet correction.
- Precise GNSS heading with optional INS.
- Weatherproof, high-impact resistant marine alloy housing for protection from extreme conditions.

Multiple real-time corrections options

With the option of utilising Trimble CenterPoint® RTX, Fugro Marinestar, Trimble VRS Now™, Internet Base Station Service (IBSS) or MSK Beacon GNSS correction services, the MPS566 Model 2 delivers varying levels of precision down to centimetre level without the use of a base station*. Achieve precise positioning almost anywhere without a GNSS base station or use the MPS566 Model 2 internal dual-band 450/900 MHz UHF radio to receive RTK corrections from a local base.

Advanced connectivity

Work faster and smarter with connectivity that provides corrections from multiple sources, including the internet. With an LTE modem inside, it is now easier to use base-station-free IBSS/VRS onsite as well as communicate with the receiver via the internet. The receiver can also be used as an internet gateway for file transfer and remote support, saving you time and money.

*Check Trimble CenterPoint RTX and Fugro Marinestar subscriptions for your application with your Trimble dealer.



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Marine construction

The MPS566 Model 2 receiver provides precise position, heading and attitude directly into Trimble Marine Construction software. Achieve accurate, efficient dredging using backhoe excavator, cutter suction, wire crane and trailing suction hopper dredges and increase productivity during block placement applications.

Utilise the MPS566 Model 2 receiver in your Trimble Marine Construction system to support a range of marine construction applications:

- Capital and maintenance dredging
- Aggregate dredging
- Block and structure placement
- Barge monitoring and anchor handling
- Beach replenishment
- Pre and post construction surveying



Drilling and piling

The MPS566 Model 2 is fully compatible with the Trimble Groundworks machine control system. Obtain precise locations for more accurate drilling and piling even when multipath interference is present. Achieve the accuracy and precision required for renewable energy construction like solar farms, where precision is extremely important.



Trimble GNSS correction service

Included free for the first 12 months, Trimble CenterPoint RTX is a real-time correction service available globally via satellite or the internet. It provides RTK-level accuracy at fast convergence times, without the need for a base station or real-time network. Learn more at rtx.trimble.com.

CenterPoint RTX is designed to work seamlessly with the MPS566 Model 2 to boost your on-site productivity and provide the precision you need in marine construction and drilling and piling applications. Additionally, the integration of Trimble IonoGuard™ technology, mitigates the negative effects of solar activity on GNSS signals, reducing downtime and further expanding site productivity.



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