Trimble TDL450B
Radio

Next generation radio with Bluetooth

The **Trimble® TDL450B Radio** is an external 450 MHz radio that offers flexible configuration options, Bluetooth® connectivity and rugged reliability. Designed to support Trimble and third-party RTK base stations, this sophisticated radio modem places Trimble's newest data link technology in your hands.

Built for performance

The TDL450B radio is an advanced, high speed, wireless UHF data radio built to endure the stresses of daily use in harsh conditions. Full metal construction and an add-on fan tray provide impact and weather resistance that will keep you working with complete confidence.

Reliable and field configurable

With Bluetooth connectivity, eliminate data cables for a more organized and reliable system. The user interface streamlines field configuration and troubleshooting to ensure maximum productivity.
Adapt as conditions change—for longer baselines you can increase the output power, and when the work area is smaller, a lower-power output extends battery life.
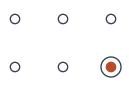
Avoid down time with access to diagnostic data in the field to solve signal strength challenges and make adjustments when needed.

Easy setup and configuration, even in the field

Super-rugged housing for robust reliability

Add-on fan tray for higher performance in hotter temperatures

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Versatility, for continuous productivity

Easy-to-use and highly reliable, the TDL450B radio is capable of broadcasting, repeating and receiving real-time data used by Trimble GNSS receivers. Its compact size allows it to be easily mounted on the same tripod as the receiver or on its own tripod. Alternatively, the rugged IP67 housing also makes it ideal for a permanent T-bar installation at the site office.

As a transmitter, the TDL450B radio broadcasts corrections to compatible devices. The network coverage can be enhanced by the use of one or two repeaters.

As a repeater, the TDL450B enables users to reach challenging GNSS locations due to its extended range and seamless coverage around obstacles. Because it is so versatile, one extra radio can be used as a backup or as a spare for multiple tasks.

Performance features

- Supports all commonly used Trimble, PCC and SATEL® link protocols
- High over-the-air link rate of 19,200 bps for both GMSK and 4FSK with support for 1 Hz RTK corrections for multi-constellation receivers
- Configurable transmit power from the front panel with user-defined power levels of 1 W, 5 W, 10 W, 25 W, and 35 W depending on the maximum power output setting for your region
- Designed for high performance over the entire band—403 MHz to 473 MHz
- Software configurable channel bandwidth supporting both 12.5 kHz and 25 kHz

Bluetooth®

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