



# Trimble MAXPro Engine™

## Overview and Installation Instructions for Trimble BD990

**Integrated Technologies**

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### Benefits of the Trimble MAXPro Engine™:

- ▶ Improved GNSS performance in harsh environments
- ▶ Support for latest constellations and frequencies
- ▶ Flexible signal management resulting in higher satellite availability
- ▶ Constellation agnosticism (ability to obtain independent position solutions)
- ▶ New system architecture designed for tight coupling of sensor data with RTK and RTX
- ▶ Robust estimation techniques for detection of outliers
- ▶ 5th generation RTK engine
- ▶ More reliable precision estimates
- ▶ Extensive testing worldwide in a variety of environments

### Upgrade Instructions:

To upgrade a receiver with v5.xx firmware to Trimble MAXPro Engine v6.xx firmware:

1. Upgrade to v5.46
2. Install the Trimble MAXPro Engine option key (PN 122989)
3. Install the Trimble MAXPro Engine 6.06 firmware

### Notes:

- ▶ Steps 1 and 2 can happen in any order
- ▶ If the receiver is downgraded to 5.45 or earlier firmware, 5.46 or a later 5.xx build must be installed again before loading 6.xx firmware
- ▶ If step 1 or 2 is not done correctly, the Trimble MAXPro Engine 6.xx firmware will not load and the receiver will give an error message