

Trimble is pleased to announce the new version 7.12 firmware for the Palisade. This firmware brings a number of improvements and enhancements to the Palisade.

The new Palisade is compatible with the older Palisade version, but users should be aware of changes in default operating modes and packet outputs.

To underscore this enhancement we are changing the part number of the Palisade Smart Antenna:

Old Part Numbers	New Part Number
26664-00, 26664-10	38158-00

The Palisade will transition to this new part number in June, 1999. Here is a summary of the major enhancements:

Major Enhancements:

Changes	Benefits
Adds event trigger functionality in the standard Palisade	All Palisade users can benefit from the high precision event-based time transfer
Incorporates Trimble's latest GPS core code <ul style="list-style-type: none"> ◆ Fixes the inconsistent PPS output ◆ Outputs 8F-0B packet after acquiring initial satellite time, instead of only when doing fixes 	Integrates our expertise in timing and time transfer applications <ul style="list-style-type: none"> ◆ Consistently outputs PPS when tracking at least one satellite after completion of self-survey ◆ User equipment can better monitor GPS tracking status
Supports the NMEA ZDA message on serial port A	First Palisade version to support NMEA with a simple prompt and time tag
Improves handling of leap second: <ul style="list-style-type: none"> ◆ New UTC timing packet with leap second and tracking status flags ◆ Inserts UTC leap second as 23:59:60 in UTC time 	<ul style="list-style-type: none"> ◆ Corrects handling of leap seconds with regard to UTC time ◆ Stores UTC offset in non-volatile memory, resulting in a shorter power-up to UTC time
Defaults to 3D position fix mode for the self-survey	Provides a more accurate surveyed position with respect to altitude, resulting in increased accuracy of the timing pulse

A detailed explanation of all changes made in v7.12 from v7.02 is available in the Release Notes for v7.12, posted on Trimble's Support/FTP site.

All Palisades (P/N 26664-00 and 26664-10) can be upgraded to the new firmware to take advantage of these new features. The new v7.12 firmware file will be made available in June, 1999, on the Trimble Support/FTP site, along with the firmware upgrade tool and instructions.