

# Acutime 2000 Starter Kit

## GPS Smart Antenna for Precise Timing and Synchronization



*The premiere GPS time source for synchronization of wireless voice and data networks*

Trimble's Acutime™ 2000 GPS smart antenna is designed for precise timing and synchronization applications. The Acutime 2000 utilizes 8-channel over-determined time solution, generate a timing pulse (PPS), which is synchronized to UTC within 50 nanoseconds (one sigma).

The Acutime 2000 smart antenna can also be set to use Trimble's Time Trigger™ technology, in which the host system sends a pulse to the Acutime 2000 smart antenna and responds with a time tag. Time Trigger technology enables a user to utilize precise GPS timing without introducing latencies associated with using a customary PPS output.

Acutime 2000 smart antenna's T-RAIM (Time-Receiver Autonomous Integrity Monitor) algorithm ensures PPS integrity.

### STARTER KIT CONTENTS

**Acutime 2000 Smart Antenna (RS-422):** A GPS receiver, antenna, interface, and power supply combined in a single unit to provide ease of operation and easy integration

#### 100-foot Interface cable

**Acutime 2000 Monitor:** Windows software interface programs and source codes for developers for monitoring and communications

**Acutime 2000 User Guide:** Installation and configuration (CD-ROM)

Additional software, including upgrade and detailed documentation are available on the Trimble website at:

<http://www.trimble.com/products/catalog/timing/acutime2000.htm>

