



New Product Announcement

Press Release Date: August 22, 2008 Vista, California

Raveon Unveils Real-Time UHF GPS Transponder

Raveon Technologies announced a fully weatherproof and ruggedized UHF GPS transponder. Their new *M7* GPS tracking transponder is the fastest GPS transponder in its class, and is rated to IP65 weatherproof standards. Utilizing the UHF radio spectrum, there are no recurring fees and no infrastructure required to build a tracking system with the *M7*. The *M7* features a UHF transceiver with high-speed modem, GPS receiver, TDMA channel access, and 5-watts of RF output. This combination of technologies enables the *M7 GX* to track location and status in truly real-time – faster than any other competitive technology. Where most systems typically update position in minutes, a system built with the *M7 GX* can send and received up to 200 position reports in 10 seconds.

The *M7 GX* Transponder has many technological advantages over conventional tracking products. These include:

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| Multi-Protocol Interface: | The <i>M7 GX</i> has built-in interfaces to various PC software programs, GPS plotters, Radar plotters, and Microsoft Map Point. |
| Data Compression: | Location transmissions are compressed, allowing not only location to be sent, but also voltage, temperature, input status, speed, direction, and time to be sent – and still take less air-time than most radios use to transmit their position. |
| Advanced modulation: | Most tracking radios operate at 1200 or 2400 baud over the air. The <i>M7</i> series operate 4-10X faster using CPFSK2/4 modulation for data rates as high as 19.2K over the air. AES encryption secures the signals from eavesdropping. |
| TDMA Channel Access: | TDMA (Time-Division Multiplexing) is built into every <i>M7 GX</i> radio modem. With TDMA, 200 vehicles may be tracked with 10-second updates, and no RF interference. Even when using a simplex repeater! |

These unique features enable *complete* Automatic Vehicle Location (AVL) to be accomplished without the need for PC computers, wide-area networks, monthly



service fees, or internet connections. The *M7 GX* is an outstanding GPS transponder, and when connected to a standard GPS display, it will show the location of all other *M7 GX* radios within radio range. It makes a Complete Real-Time Tracking system with in-vehicle display, perfect for the first responders, law enforcement, construction foreman, park rangers and public safety officials.



Raveon also offers *RavTrack PC*, a software program that works with the *M7 GX* to create a sophisticated AVL system, with mapping, alarming, and geo-fencing.

Available in standard, and IP65 weather proof versions, the *M7 GX* is FCC approved for Parts 22 and 90 operation in the 450-480MHz band.

About Raveon *Raveon Technologies* is a wireless product design and manufacturing company located in North County San Diego, California. Specializing in off-the-shelf and custom wireless solutions, Raveon is committed to helping you connect your system with its easy-to-use data radio products. Raveon provides best-in-class products with exceptional customer service.

For more information concerning the *M7 GX* and Raveon's Real-Time Tracking



Solutions, go to www.ravtrack.com or see <http://ravtrack.com/content/view/82/130/> for full specifications of the M7 GX.



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