



## **ANT Raises the Standard in Sport, Health and Fitness Wireless Monitoring, Unveiling the Next Generation Ultra-Low Power ANT Protocol**

*Longer battery life, lower cost, quicker connection between sensors, and three times faster data transfer to PC's and smartphones, make ANT the most technically-advanced ULP wireless solution for personal monitoring devices*

**Cochrane, Alberta - February 26, 2013** - ANT Wireless, a division of Dynastream Innovations Inc., unveils the next generation ANT protocol with optimized functionality and efficiencies integral to both simple and complex use cases in sport, fitness and health. The newly-enhanced ANT protocol serves as the basis for the ANT+ interoperable standard and has been released on the industry's first System on a Chip (SoC) nRF51422 by Nordic Semiconductor. With advantages in power, size, cost, speed and security built directly into the protocol layer, this leading solution is designed for ensured development consistency and greater network flexibility within the established ANT+ interoperable ecosystem. Benefits will reach consumers in the form of new products with even longer battery life, expanded functionality and security, further simplified operation and overall value.

"Our fundamental goal is to *always* deliver ANT products that are forward-focused and future proof so that manufacturers can continually build upon what they do," said ANT Wireless Vice President, Rod Morris. "Because we deliver technology that works easily, consumers receive the very best available devices and can draw from an incredibly diverse and established ecosystem."

### **Specific technical advancements now integrated into ANT and ANT+ include:**

<b>Technological Features</b>	<b>Enhanced ANT+ Experience</b>
<ul style="list-style-type: none"><li>• Encrypted channels with security between multiple devices</li><li>• Faster bursting and data transport – 60 kbps</li><li>• High duty searching – faster signal acquisition</li><li>• Event filtering and event buffering allow for greater flexibility and lower system power</li></ul>	<ul style="list-style-type: none"><li>• Easy transmission of secure data – ideal for varied health and competitive sport environments as well as asset tagging</li><li>• 3x faster data downloads, faster access, no wait time</li><li>• Faster connection to PC's and smartphones</li><li>• Greater balance of system power between sensors and displays; Reduced power consumption</li></ul>

"By securing our new features in the protocol and therefore lightening up the application layer, we reduce the guess work, optimize development success and advance the entire market," added Morris. "The solution is here in one chip and it sets a whole new standard in ultra low power wireless."

### **The new ANT features will simply add to the already-proven ANT advantages of:**

- Flexible master and slave role assignments enable more real world use cases
- One-to-many (eg. Continuous glucose monitor data to watch, smartphone, tablet, pc), and many-to-one (multiple indoor cyclists to one trainer) functionality. Learn more at: <http://www.thisisant.com/business/why-ant/ant-advantages/>
- Certified profile adherence and interoperable devices

- Ultra-low power and seamless compatibility

### **Also available on ANT micro USB and ANT Message Protocol and Usage Document**

The new ANT feature set has also been released in the new ANTUSB-m USB stick. Compact and reliable, these micro USB sticks provide convenient end-to-end connectivity with PC's, Mac OS X and Android devices. They are available now, and offer the opportunity for brand customization.

For more information on the ANTUSB-m, please visit:  
<http://www.thisisant.com/developer/components/antusb-m/>.

Further specifications on the new generation ANT protocol are now available on the ANT Message Protocol and Usage Document at <http://www.thisisant.com/resources/ant-message-protocol-and-usage/>.

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### **About ANT / ANT+ ([www.thisisant.com](http://www.thisisant.com))**

ANT is a proven protocol and silicon solution for ultra-low power (ULP) practical wireless networking applications. With over 60 million devices in the market, ANT+ facilitates interoperability between ANT+ devices and the collection, automatic transfer and tracking of sensor data. Applicable in sport, wellness management and home health monitoring, ANT+ (built on the base ANT protocol) defines device profiles that specify data formats, channel parameters and network keys. The ANT+ Alliance is an open special interest group of companies who have adopted the ANT+ promise of interoperability. The Alliance ensures standardized communications through optimized brand value and partnerships with other top tier products.

The company behind ANT Wireless is Dynastream Innovations Inc. ([www.dynastream.com](http://www.dynastream.com)). Dynastream was established in 1998 and became a wholly owned subsidiary of Garmin Ltd. in December 2006. Dynastream is based in Cochrane, Alberta, Canada, and is a world innovator in the research and development of inertial and wireless technology.

### **Source ANT+ Certified Products ([www.thisisant.com/directory](http://www.thisisant.com/directory))**

The ANT+ Product Directory is a complete inventory of all ANT+ certified or verified products. It is a tool designed specifically to help consumers source hundreds of industry-leading devices and all compatible products within the vast ANT+ ecosystem. Devices may be searched by product name, brand, activity or product category, allowing the consumer to create a monitoring system that meets their specific needs.

For further information on how the directory works, please visit:  
[www.thisisant.com/directory/d/getting-started](http://www.thisisant.com/directory/d/getting-started).

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