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INSTINCT™ SOFTWARE SUITE ADDS WIN7 DRIVER

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Grayhill, Inc. announces the immediate availability of their latest update to their Instinct Software Suite. Instinct is a suite of software tools that bring iPhone® functionality to a wide range of electronic equipment applications.

The new Instinct version 1.1 features a human interface device (HID) driver that is compatible with Microsoft Windows 7 multi-touch specifications. This allows quick and easy integration of Grayhill multi-touch products, such as the T1 Series Multi-Touch Ring Encoder (MTRE), into systems running on a Windows 7 platform.

The new HID driver uses the gesture library already built into Windows 7 to define multi-touch data as specific gestures. To do so, the HID descriptors from Instinct conform to the HID requirements of the operating system. Starting with Windows 7, extended touch functionality is enabled for appropriate environments.

Instinct recognizes and interprets input from multiple simultaneous touch points as coordinates to determine the location, direction and magnitude of change. Then, the Windows 7 driver provides for consistent gesture commands for numerous applications. Common gestures in the Windows environment include:

- Tapping and Double-tapping
- Dragging
- Scrolling
- Zooming in or out
- Two-Finger Tapping
- Rotating
- Flicking to Navigate
- Pressing-and-tapping with a second finger

The Instinct Software Suite now includes two powerful tools. In addition to the Windows 7 Driver, there is also a gesture recognition library that would be used with other operating systems. The Instinct library includes many more simple and dynamic gestures. Dynamic gestures are characterized by a longer, continuous stream of control, such as scrolling or flicking with momentum.

Instinct is a C code source library that is intended to be included and built within OEM systems. During normal operation, data from a Grayhill touch device is passed directly to Instinct. The data is quickly processed and the results are passed to the application. Simple initialization allows the flexible setup of parameters to fine-tune the recognition process.

Applications

The Grayhill Instinct Software Suite provides an elegant engineering solution to control electronic equipment. The Multi-Touch Ring Encoder can replace keypads, knobs, dials, trackballs and switches. The design is cleaner and the cost of manufacturing is lower. Combined with the Instinct gesture recognition library, the MTRE provides a creative and flexible design tool for the engineer to establish new applications, or replace older technology, while improving functionality.

Applications for the Instinct Software Suite and Grayhill Multi-Touch products include:

- **Medical equipment and devices-** ultrasound, medical imaging, patient monitoring, interventional radiology, molecular imaging, life support, lab equipment and patient handling equipment
- **Robotic control-** controls for industrial, automation and material handling robots
- **Gaming -** video games, gambling equipment, interactive electronic gaming

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