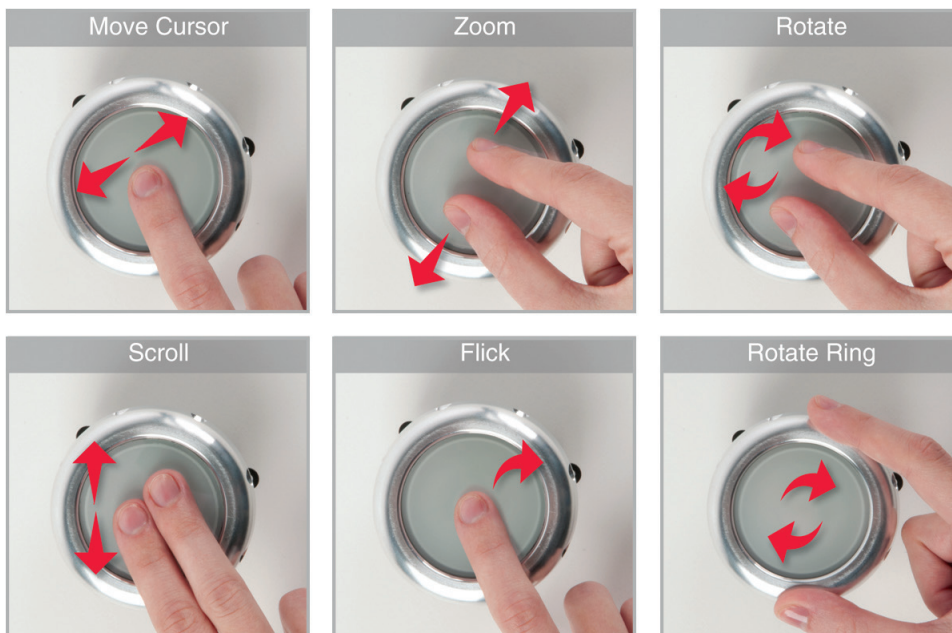




Let Your Fingers Do The Directing

The Multi-Touch Ring Encoder features a 50mm diameter surface that tracks multiple touch positions. Tracked touch-point data is sent from the device via USB to the system using Instinct software for interpretation. For mechanical control, a ring encoder encircles the touchpad and the entire knob can be pressed. The rotary function allows the user to scroll through options and the pushbutton selects the desired setting. Implementing the MTRE eliminates the need for additional devices such as joysticks, touchpads and trackballs. This results in a compact and intuitive user interface.



Multi-Touch Ring Encoder

Features

- Grayhill Instinct™ Gesture Recognition
- Three devices in one:
 - Multi-Touch Touchpad
 - Optical Encoder
 - Pushbutton
- Impervious to cleaning solutions
- Easy to integrate into any device
- Rugged, scratch-resistant surfaces
- Backlit illumination
- Colored highlight ring
- Redundant quadrature encoder output
- Redundant push button output
- USB compatible HID device

Possible applications include:

- Medical devices
- Industrial/Robotic controls
- Gaming machines

Instinct™ Technology. Intuitively Functional.

Grayhill Instinct is a set of multi-touch gesture recognition software tools that, when integrated with Grayhill multi-touch components, creates more intuitive human interface solutions.

A Shorter Distance from Mind to Machine

An intuitive, easy-to-use interface improves productivity. Instinctive movements provide a variety of commands, all without the fingers leaving the touchpad. This allows faster interaction without needing to take eyes off of the screen. Plus, ergonomics are improved by consolidating all controls within easy reach.

Simplicity in use & Device Design

The Multi-Touch Ring Encoder can replace touchscreens, keypads, trackballs, switches and joysticks. This makes for clean design and cuts costs of manufacturing. The MTRE increases the engineer's flexibility in building functionality into any product, while reducing front panel size and complexity.

