



# Immersion

## SoftMouse™ 3D Positioning Device

*Flexible, fast, and accurate.*

*The SoftMouse positioning device offers unparalleled ease of integration and comfortable two-handed operation for 3D photogrammetry systems used for mapping, GIS surveys, strategic military planning, and other applications.*

### Easy to Use, Easy to Integrate

For integrating into photogrammetry systems, the SoftMouse device offers an ergonomic design and optimal features for quickly, easily, and seamlessly enhancing the operation of any 3D mapping system.

Using the accompanying Interface Box and the included Software Developer's Kit (SDK), you can easily incorporate the inputs from SoftMouse optical encoders, function keys, and trigger buttons into your application. The SoftMouse device is fully and easily customizable for taking complete advantage of end-user software features.

### Designed for High Use Environments

The relatively small size of the two-handed SoftMouse device is preferred by users who perform thousands of operations a day. Its large button size and simple ergonomic design reduces hand fatigue and errors.

With the SoftMouse positioning device, developers can easily create streamlined operations that support inputting data in highly intensive shift-work environments.

### Efficient Data Input

SoftMouse controls include four trigger buttons that provide fast-action data collection or other operation. Four function keys work with two shift inputs to provide a total of 16 possible values to

### Highlights

- Three input sources – optical encoders, function keys, and trigger buttons – supply data to powerful GIS software operations
- Accurate x, y, and z positioning for high-quality results
- Four trigger buttons allow quick data collection or other user-defined fast-action functions
- Function keys and associated shift keys provide a combination of 16 input values for setting parameters, changing modes, and streamlining operations



*The SoftMouse 3D positioning device for use with 3D photogrammetry systems*



assist the data collection process. In addition, the mouse may be purchased as configured to accept additional channels of quadrature from hand cranks, pedals, and other devices.

### World-class Service and Support

The SoftMouse system comes with either a one or two year warranty, depending on the region, and it includes our world-class, worldwide support program. The optional SoftMouse Advance Replacement program guarantees minimum downtime to keep your production going should you require a repair.

### SPECIFICATIONS

#### System Components

SoftMouse positioning device, Interface Box, cables, power supply, SDK, and cleaning kit

#### SoftMouse 3D Positioning Device

Controls:

- one thumbwheel for Z-axis positioning
- four trigger buttons
- four function buttons
- two shift buttons

Resolution:

- 2D mouse movement – 300 count/inch
- Thumbwheel – 1200 counts/revolution

Options:

- Up to an additional three channels of quadrature
- Enhanced resolution for 2D mouse movement and thumbwheel

Cable:

- 6 ft. (1.8 m) cord with 37-pin connector to Interface Box

#### Interface Box

Conversion:

- 4 channels A/D

Connectors:

- 37-pin from SoftMouse device
- Standard serial interface to PC

Power:

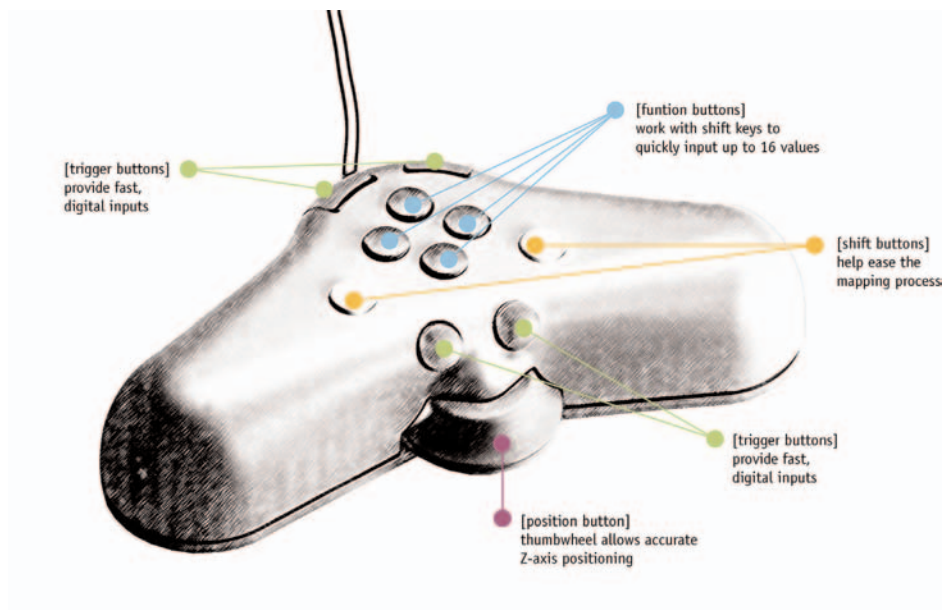
- 5 VDC universal supply (specify country of use when ordering to receive appropriate power connector)

#### About Immersion Corporation

Founded in 1993, Immersion Corporation develops software and hardware technologies that improve the way people interact with digital devices. Immersion's 3D interaction products include the CyberGlove line of whole-hand motion capture and haptic feedback hardware products that enable wearers to use their hands to interact with and manipulate 3D graphical objects.

#### For More Information

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