Operator manual

KONGSBERG

MS1000

USB Remote Keypad

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1 Introduction

The remote Keypad is an USB plug and play device used to operate the MS1000 software application substituting a standard computer mouse and keyboard.

The remote Keypad consists of:

- A joystick with two buttons that emulates mouse control
- Softly backlighted and labelled keys suitable for dark environment
- A removable rubber bracket provides mechanical protection

1.1 Specifications

Materials:	Keypad - Aluminium 6061-T6 / GLS Dynaflex G2711 TPE Bracket - Santoprene TPE
Finish (Al):	Hard Anodize, Black MIL-A-8625 Type III
Dimensions:	Length 6.3" / 160 mm Width 3.17" / 88 mm Depth 1.57" / 40 mm
Weight:	1.3 lbs / 0.58 kg (without bracket) - 1.4 lbs / 0.66 kg (with bracket)

1.2 System Requirements

- 1 GHz Pentium III or faster recommended
- 512 Mbyte RAM or more recommended
- One or more available USB ports
- Windows XP Professional or higher
- MS1000 v4.0 and above

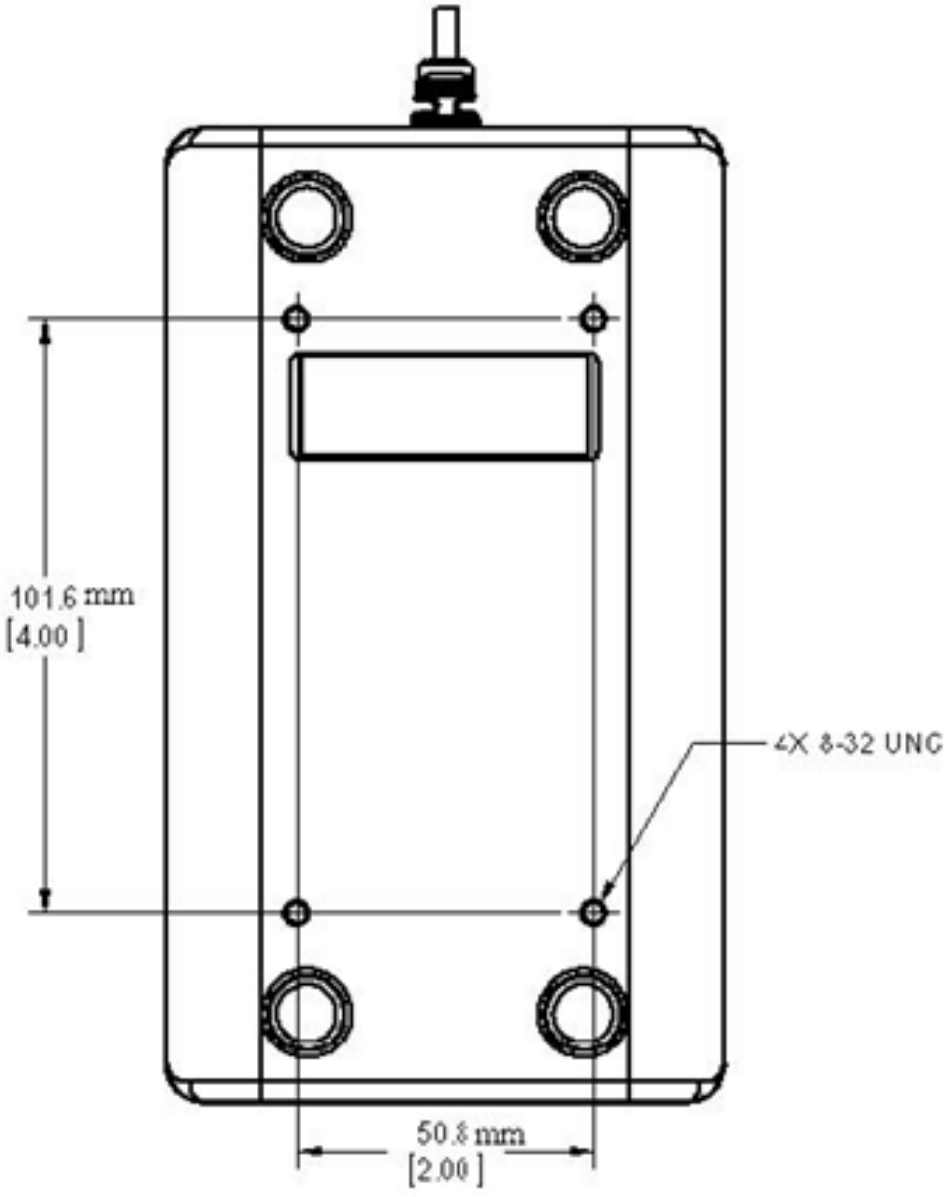
2 Installation

The remote Keypad is a plug-and-play device. It requires connection to one of the host PC's USB ports.

The remote Keypad can be used as a handheld or desktop device.

It can also be attached to a flat surface using the four #8-32 mounting holes on the back.

The following diagram shows remote Keypad back-view with dimensions of mounting holes:



3 Operation

The remote Keypad has a joystick with two buttons and 19 keys.

The joystick is a pressure-sensitive pointing device that positions the pointer:

- the left-button emulates the mouse left-button action;
- the right-button emulates the mouse right-button action.

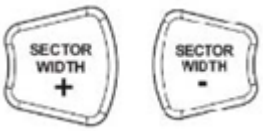
Note! *You can use the joystick to operate Windows applications.*

The labelled keys activate the corresponding functionality in the operation of the MS1000 software.

Note! *These keys are designed only for operating the MS1000 software, and therefore can not be used for other applications.*

MS1000 operation using the labelled keys

To:	Press:
Run all heads connected to the system	
Stop all heads connected to the system	
Select the next active head/display window	
Pause/Resume the selected head	
Reverse Scan direction for the selected head	
Change Scan Mode for the selected head	
Adjust Range for the selected head	

To:	Press:
Adjust Scan Speed for the selected head	
Adjust Gain for the selected head	
Adjust Sector Heading for the selected head	
Adjust Sector Width for the selected head	
Change image colour **Palette** for the selected head	
Start Recording sonar data for all heads connected to the system	
Start Playback of a recorded sonar data file	

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