

User manual  
TSW50F5  
"Trackball"

Ver. 1.1

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## • Installation:

Directly plug compatible to a PS/2 port (6 pin mini-DIN plug) or USB port or hub (type A USB connector). A special device driver is not required. You can use regular mouse (2 or 3 button) drivers which are supplied with most popular menu-driven operating systems.

\* Due to the increasing differences of PS/2 mouse port specifications of the various PC manufacturers, we do recommend that this unit should be tested on the final PC configuration and operating system prior to installing it in series.

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## • Maintenance :

This trackball is primarily used into heavy duty environments. In view of the contamination that may be encountered in these areas, periodic ball and optical lenses cleaning might be necessary.

### *Cleaning Procedure:*

- 1) For safety reasons, trackball cleaning should only be undertaken by competent personnel when the host system is powered down.
- 2) The top ring can be removed from the unit by turning it anti-clockwise until it releases.
- 3) The ball and the inside of the trackball base with the optical lenses can be cleaned or flushed through with clear water.  
To wipe the ball and lenses, a soft cloth must be used gently.
- 4) The trackball unit should be allowed to dry before further use.
- 5) Replace the ball and top ring and turn the top ring clockwise until the required tracking force is obtained.

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## • Internal connections and functions:

For more details on the functions and the pin numbers of the components used, please visit our support page on our website : <http://www.nsi-be.com/support.htm>

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## • EC Declaration of conformity:

Meets the intent of Directive 89/336/EEC for Electromagnetic Compatibility. Compliance was demonstrated to the following specifications as listed in the official Journal of the European Communities:

<b>Immunity</b>	EN 61000-6-2:2001	Electromagnetic compatibility – Part 6-2: Generic standards – Immunity for industrial environments
	EN 61000-4-2:2001	EMC – Part 4: Testing and measurement techniques - Section 2: Electrostatic discharge immunity test. Basic EMC Publication
	EN 61000-4-3:1997	EMC – Part 4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test
<b>Emission</b>	EN 61000-6-4:2001	Electromagnetic compatibility – Part 6-4: Generic standards – Emission standard for industrial environments
	EN 55022:1998 +A1:2000	Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement

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## • FCC Declaration of conformity:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial or industrial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

**Notice :** The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



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