

Presentation Space Mouse

**Guarantees
the easiest and most effective way
for a better presentation**



PSM
Presentation Space Mouse

ivCOM

1. Overview

The Presentation Space Mouse (PSM) design efforts for Human-Machine Interface (HMI) provides versatile use specific for computer-based presentation. Three devices, spatial wireless mouse, presentation remote control, and flash memory, all converge into a PSM.

Space Mouse

The ergonomic design provides easy maneuverability as a mouse in the space with only the touch of a thumb, without having to look at the control panel of the device. User can operate all controls performed in a normal mouse, such as file open/close, slide show enter/exit, and etc.



Presentation Control

The one lever switch provides all the basic controls, such as slidenext/previous and laser pointing. Easy and reliable control is guaranteed so that user can fully concentrate on his/her presentation.

Memory Stick Use(Optional)

USB receiver containing an internal flash memory can be used to store your presentation files without the need of a separate memory device.



Features

- Can be used on any computer with no required software or driver. Operates simultaneously with multiple USB HIDs
- Remote control range within 30m requiring very low power. Eliminates line-of-sight problems encountered with infrared systems
- Transmitter identification : Uses 65,535 ID numbers to avoid multi-user interferences



- File storager : Integrated flash memory in the receiver for presentation file storage
- Space mouse function : Integrates functions of a wireless mouse for spatial mobility
- Durability : Two AAA battery guarantees continuous operation for more than 70 hours
- Portability : Compact USB receiver makes it possible to be inserted in the transmitter
- Battery indicator : Notifies the time for battery change



Models

Function Model Name	Laser	Presentation Mode	Space Mouse Mode	Storage Mode	O.S.
PSM (Silver Base Black Cover)	Yes	Yes	Yes	None	Most
PSM-XXX (Black Base Silver Cover)	Yes	Yes	Yes	128M 256M	Most
PSM-XP-XXX (Black base Gold Cover)	Yes	Yes	Yes	128M 256M	XP only

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Specifications

	Items	Descriptions
T R X	Frequency Band	2.4GHz
	Operating Distance	within 30 meters
	Data Rate	256 kbps
	Number of User IDs	65,535
	Certificates	MIC/C E/FCC/TELEC/PSC
T	Transmitter Battery	2 x AAA (70hrs in continuous operation)
X	Transmitter Dim/Weight	145mm x 28mm x 22mm / 25g
R X	Operating Systems	Windows 98, Se, Me, 2000, XP, Macintosh, Linux
	Host Interface	USB1.1, USB2.0
	Receiver Battery	USB Bus powered (5V)
	Receiver Dim/Weight	60mm x 18mm x 7mm / 6g
	Flash Memory	PSM (No), PSM-128 (128MB), PSM-256 (256MB)
	Laser Class	Class II (1mW)

2. Installation and Uses

A. Transmitter

Buttons

Name	Number	Description
Laser On	3-P(ress)	Laser beam pointing
Slide Next/Scroll Down	3-D(own)	Go to next slide or scroll down
Slide Previous/Scroll Up	3-U(p)	Go to previous slide or scroll down
Joystick & Click	2	Move mouse cursor and enter if click
Mouse Left Button	1-L(ef)	Same as mouse left button
Mouse Right Button	1-R(ight)	Same as mouse right button

- **ID setting**

Any buttons except laser (3-P)
will transmit an ID and be setted.

- **LED indication**

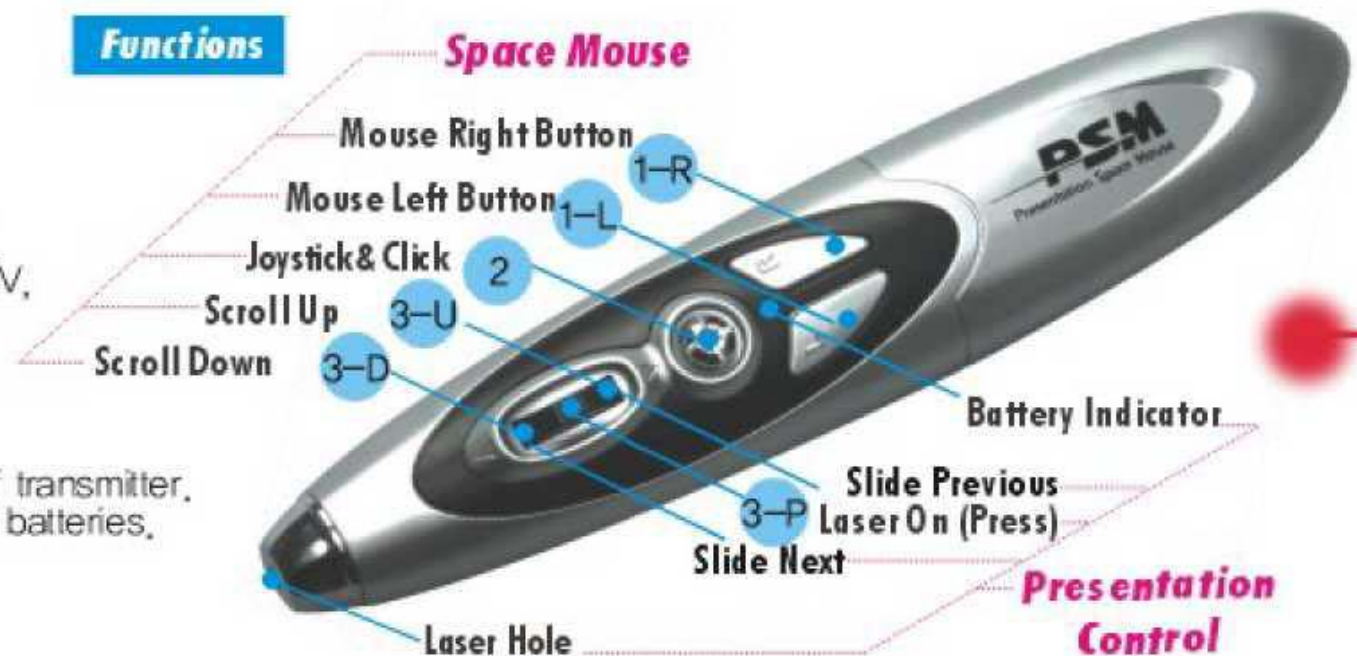
LED on everytimes buttons are clicked.
When battery voltage level is below 2.4V,
LED light will be dimmed to notify
the battery change.

- **Battery changes**

Open the battery cover in the bottom of transmitter.
Be careful not to change the polarity of batteries.

Functions

Space Mouse



Presentation Control

B. Receiver

- Plug USB dongle to USB port
- LED indications
 - Blink : Waiting for ID input
 - Off : Waiting for control command from transmitter
 - Off-On-Off : Every times when receiver receives commands
- Remove (for only models containing flash momory)
 - Click memory stick remove icon
 - Select "USB Storage Device"
 - Click remove
 - Remove receiver dongle from PC

Memory Stick Use



3. Trouble Shooting

When you have problems in using a PSM, refers to the following treatments.

Problem	Treatment
No actions for button controls	Check if PC identify the receiver or check the transmitter battery
Transmitter LED doesn't on	Check the battery
Receiver LED doesn't on	Check if PC identify the receiver and connect receiver to PC again if not identified
PC doesn't identify receiver	Connect receiver to PC again or reboot PC
Reduced operating range	Check the battery
USB booting error	When booting error occurs, go to PC BIOS setting and disable USB Device Booting Option.



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※ Warnings : Avoid direct eye exposure from laser radiation !!!



FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- 1.1. Reorient or relocate the receiving antenna.
- 1.2. Increase the separation between the equipment and receiver.
- 1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
- 1.4. Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority operate the equipment.