

Pairing

Your **OPTIMAX** uses a unique addressing system to ensure that there is no interference from neighbouring units. The Trackball transmits its data along with an address, and the Receiver unit only responds to that address.

To function correctly, both the Trackball and Receiver unit must use the same address. The process of negotiating an address is called 'Pairing' and once learned, both the Trackball and Receiver units will retain the information even when powered off or when changing the battery.

Your **OPTIMAX** is supplied already paired but it may occasionally be necessary to go through the process again- for instance if a new Receiver is to be used with an existing Trackball unit or in the unlikely event that one half 'forgets' the address.

To Pair the units, use the following procedure:

1. Remove the battery compartment cover.
2. Place the Trackball within one metre (three feet) of the Receiver unit.

3. Press the button on the underside of the Receiver unit. The LED should flash.



4. Within 10 seconds, *briefly* press the button inside the battery compartment. It is not necessary to spin the ball.

5. After a short period the LED should light steadily for 5 seconds and cursor operation should resume. Replace the battery compartment cover.

6. If the LED stops flashing after around 15 seconds and does not light steadily, repeat the process from (3). If it is still not successful, please refer to the Troubleshooting section.



Troubleshooting

If your **OPTIMAX** unit does not operate correctly, please use the following guide to determine the cause. If, after following this guide, your unit still does not operate, please contact your supplier before returning it:

Symptom	Possible cause/ Remedy
No cursor movement- LED remains lit	-Units are not Paired. Follow procedure in Pairing section.
No cursor movement- LED is not lit.	-Check USB or PS2 connection to computer. -Units may not be correctly Paired. Follow procedure in Pairing section.
Cursor movement is erratic or sporadic.	-Battery may be flat- replace. -Place Receiver unit away from metal objects and in view of Trackball operating area. -Out of range. Move Trackball closer to Receiver. -Interference from other radio equipment. Change channels by rebooting computer from cold.
Units will not Pair- LED is extinguished after 15 seconds and cursor does not move.	-Ensure that Trackball is held within one metre (one yard) of Receiver while Pairing. -Check battery- replace if flat.

Warranty

Your **OPTIMAX** is warranted for 24 months from date of purchase against defects in manufacture or component failure. The unit is designed for domestic, educational, commercial and light industrial applications. Use outside these areas will invalidate the warranty. Unauthorised repair or modification, mechanical abuse, immersion in any liquid or connection to any equipment other than a host computer will invalidate the warranty.



Optimax



Product Description

OPTIMAX is the very first, wireless trackball specifically designed for users with motor skill difficulties.

With an operating range in excess of 10 metres **OPTIMAX** is ideally suited for use in team/group sessions, or classroom settings, to ensure the participation of all.

Lightweight and robustly constructed with no mechanical wearing parts, **OPTIMAX** can be used as either a desktop or hand-held unit.

Optical technology ensures precise cursor control and silky-smooth ball movement, and the bi-directional radio link provides interference free operation.

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Features

- State of the art radio link with an interference free operating range exceeding 10 metres.
- Uses 2.4GHz global, licence-free ISM radio band.
- Receiver unit includes two additional sockets.
- Durable optical technology with no mechanical wearing parts.
- Precise tracking and cursor control.
- Large free-running ball requiring only the lightest touch.
- Silky-smooth ball movement.
- Robust, lightweight, construction.
- Low profile providing a natural hand rest for comfortable operation.
- Left/Right and Drag Lock buttons.
- Colour coded buttons mounted sub-flush to prevent accidental operation.
- Trackball sockets to operate Left/Right click buttons from remote switches.
- Easy 'plug and play' installation (no additional drivers required).
- Auto detecting PS2 and USB protocols.
- PC and Mac compatible.
- Typical 6 months battery life.



Compatibility

OPTIMAX works with PS2 and USB compatible computers including the majority of Personal Computers (PCs) and Apple Macintosh computers.

Unpacking your **OPTIMAX**

First, unpack the box and familiarise yourself with the contents. The following items should be included:

- **Optimax** Trackball unit.
- **Optimax** Receiver unit with attached USB cable.
- USB to PS2 adaptor plug.
- This manual.
- Velcro mounting pad.



Installation

Ensure your computer is fully turned-off and not just in sleep mode.

Locate the relevant PS2 or USB socket on your computer and plug-in your **OPTIMAX** Receiver unit (if you are using the PS2 socket on your computer you will need the USB/PS2 adaptor supplied).

To optimise the range of the radio link, do not place the Receiver unit behind your computer or close to large metal objects or sources of interference such as wireless network hubs, cellular telephones etc.

1. Invert the Trackball unit and remove the battery compartment cover using a screwdriver.
2. Connect a good quality 9-Volt PP3/6F-22 (or equivalent) battery (not supplied) to the battery connector. Alkaline batteries will give best battery life. Do not replace the battery compartment cover at this stage.
3. Turn on the computer and allow it to fully boot up. Check that the LED on the rear of the Receiver unit lights for a few seconds and is then extinguished. If it remains lit, refer to the 'Pairing' section.
4. Move the Trackball to check for cursor movement and then replace the battery compartment cover. Your **OPTIMAX** is now ready for use. If there is *no cursor movement*, refer to the Troubleshooting section.

Maintenance

Your **OPTIMAX** has no user serviceable parts. If repair is necessary the unit should be returned to Pretorian Technologies or an authorised Distributor.