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TECHNOLOGIES LTD.

SYSTEMATIC **01472 851091**

Track-IT!
Instruction Booklet

Product Description

'Track-IT!' is a unique switch interface that allows complete operation of the cursor, and mouse button clicks, using a single, remote switch.

'Track-IT!' is designed for users with motor skill difficulties, particularly those who find conventional access impractical, and has a number of programmable options allowing the user to 'personalise' the functions for ease of use.
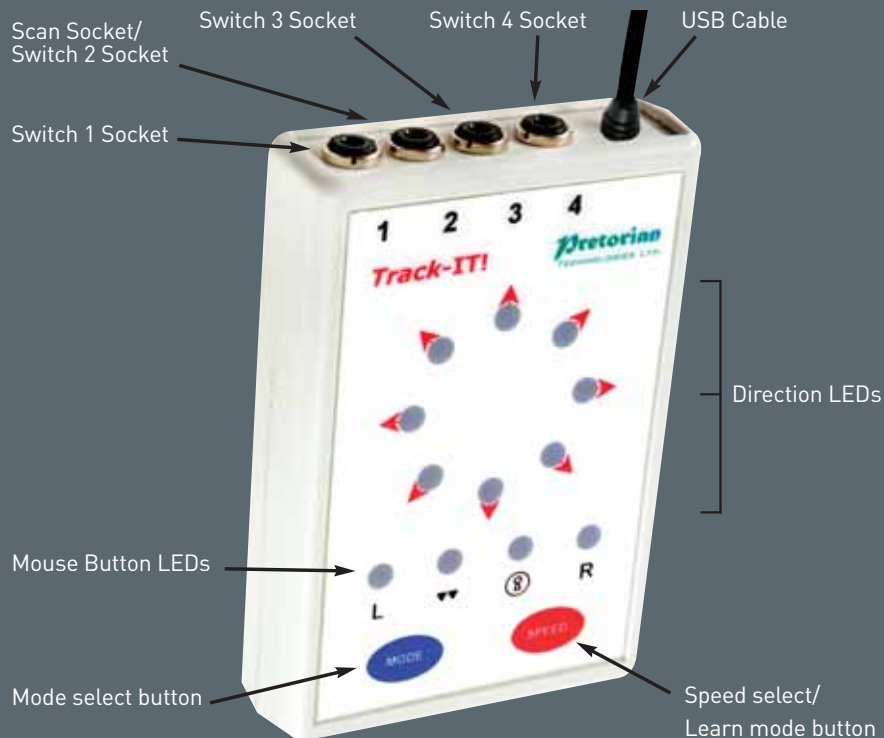
Features

- ► Full 'mouse' functionality from a single switch.
- ► Four switch sockets available for those users able to operate more than one switch.
- ► Clock-face array from which the direction of cursor travel is selected.
- ► 8 Scan Rate and Dwell Time settings.
- ► Selectable 4 or 8 directions of travel, each illuminated by an LED.
- ► Variable time settings for the clock-face array and mouse click buttons.
- ► Cursor speed control settings.
- ► 4 mouse click functions, each illuminated by an LED.
- ► Mouse left/right click, double click and drag lock buttons selectable using either the single switch or the additional switch sockets provided.
- ► Programmable switch sockets for mouse click functions.
- ► Mounting Stand for positioning close to the screen.
- ► PC and MAC compatible.

Pack Contents

Included in the pack are:

- ► TRACK-IT unit
- ► Mounting stand
- ► Instruction booklet

1. Unit Layout

Scan Socket/
Switch 2 Socket

Switch 3 Socket

Switch 4 Socket

USB Cable

Switch 1 Socket

Direction LEDs

Mouse Button LEDs

Mode select button

Speed select/
Learn mode button

2. Unit Operation
The unit has two operating modes- One-Switch and Two-Switch:

2.1 One Switch operation
This allows complete operation of the cursor and mouse button clicks using a single remote switch. The first press of Switch1 arrests scanning.

If a direction (red) LED is lit, pressing Switch1 again moves the cursor in the indicated direction. If at any time Switch1 remains un-pressed for a period exceeding the Dwell Time (see below), the LEDs will begin scanning again automatically. As they do so, the direction flips 180° to allow the user to correct overshoot more easily.

If one of the green mouse button click LEDs is lit, briefly pressing Switch1 performs the left click, double click, drag lock or right click operation, as appropriate. A double tone is heard in the event of a double click and a rising tone is heard in the event of drag lock.

Scanning can still take place even if the drag lock is on, allowing the cursor to move while a drag lock is on, to effect dragging etc. (The lock symbol is backlit whenever the drag lock is on as a visual confirmation).

To cancel the drag lock, allow the unit to scan to the left click, double click or drag lock LED and freeze scanning by pressing Switch1. Then press Switch1 again to cancel the click lock. A falling tone will be heard. Similarly, Switches 3 and 4 may be used to cancel drag lock if they are set to left click, double click or drag lock functions (see later).

2.2 Two Switch operation
This allows full control of the cursor and left/right clicks using Switches 1 and 2. Switch2 is used to manually scan around the red direction LEDs and green mouse button LEDs and Switch1 is used to move the cursor or effect mouse button clicks.

If one of the green mouse button LEDs is lit, briefly pressing Switch1 performs the left click, double click, drag lock or right click operation, as appropriate. A double tone is heard in the event of a double click and a rising tone is heard in the event of drag lock.

Scanning can still take place even if a drag lock is on, allowing the cursor to move while a drag lock is on, to effect dragging etc. (The lock symbol is backlit whenever the drag lock is on as a visual confirmation).

To cancel the drag lock, allow the unit to scan to the left click, double click or drag lock LED and freeze scanning by pressing Switch1. Then press Switch1 again to cancel the click lock. A falling tone will be heard. Similarly, Switches 3 and 4 may be used to cancel drag lock if they are set to left click, double click or drag lock functions (see later).

2.3 Switches 3 and 4

Further programmable sockets are provided to allow for external mouse button functions for users who are more able-bodied. The switch socket functions co-exist with the mouse button LED functions, which in some instances can greatly enhance the ergonomics of the unit. See Learn Mode section for details of how to program these.

Note that socket 2 may also be used as a mouse button function when in One Button mode.

2.4 Sleep Mode

After five minutes without use, the unit enters a low power mode to conserve power consumption. All LEDs are extinguished and if the unit is set to One Switch mode, it stops scanning.

To 'wake up' the unit, simply press any button or external switch briefly.

3. Setting Up

3.1 Operating Mode

Touch the Mode button briefly to display the current mode. The red LEDs indicate the number of directions the cursor can move in (4 or 8) while the green LEDs display whether the unit is in One-Switch mode (one LED lit) or Two-Switch mode (two LEDs lit).

The default setting is 4 directions (N,S,E,W) and Two-Switch mode. To change the mode, touch the Mode button again until the desired combination of directions and switch settings is achieved.

After 5 seconds the display returns to normal and the settings are saved. Mode settings are retained in the unit's memory and automatically recalled when power is applied.

3.2 Cursor Speed

Touch the Speed button briefly to display the current speed setting. The more LEDs that are lit, the faster the cursor moves. All speed settings exhibit acceleration dependent on the duration of cursor movement.

The default setting is speed number 3. To increase the speed, touch the Speed button again briefly until the desired number of LEDs are lit. Once the speed reaches its maximum value it 'wraps around' to minimum.

After 5 seconds the display returns to normal and the settings are saved. Speed settings are retained in the unit's memory and automatically recalled when power is applied.

4. Learn Mode

Learn mode allows other, more advanced, features to be configured. To enter Learn Mode, touch and hold the Speed button until you hear a warbling tone. There are six settings that you need to go through after which the settings are saved and normal operation resumes. You can exit learn mode without saving the new settings at any time by touching and holding the Speed button again until you hear a warbling tone.

The following sections explain the function of each of the six Learn Modes:

4.1 Scan Rate

This mode allows the time between each increment of the scanning LEDs to be defined. There are 8 settings, as follows:

Number of LEDs lit	Increment time
1	0.5sec
2	0.75sec
3	1.0sec (default setting)
4	1.5sec
5	2.0sec
6	2.5sec
7	3.0sec
8	4.0sec

To change the setting, press Switch1 briefly a number of times until the required number of LEDs are lit. Once the setting gets to maximum it 'wraps around' to minimum.

Once the required setting is displayed, touch the Speed button briefly to move to the next Learn Mode:

4.2 Dwell Time

This mode allows the user to define the time between the last cursor movement and the unit automatically starting to scan (known as the Dwell Time). There are 8 settings, as follows:

Number of LEDs lit	Dwell time
1	2sec
2	3sec
3	4sec
4	5sec (default setting)
5	6sec
6	8sec
7	10sec
8	12sec

To change the setting, press Switch1 briefly a number of times until the required number of LEDs are lit. Once the setting gets to maximum it 'wraps around' to minimum.

Once the required setting is displayed, touch the Speed button briefly to move to the next Learn Mode:

4.3 Switch1 Latch

This mode allows Switch1 to latch on with the first press and off with the second. It is particularly useful for users with very limited motor skills since it allows the cursor to move for extended periods without the need to continuously press Switch1.

There are two settings- Latch Off and Latch On, Latch Off being the default setting. Latch Off is indicated by the left hand green LED and Latch On by the right hand green LED.

To change the setting, press Switch1 briefly. Once the required setting is displayed, touch the Speed button briefly to move to the next Learn Mode:

4.4 Switch 2 Setup

This mode allows the function of socket 2 to be configured. There are four possible configurations: left click, double click, drag lock and right click. Press Switch1 until the required function is illuminated on the green LEDs.

Note that this socket 2 function is only available in One Button mode and is automatically re-configured as the Scan socket in Two Button mode. Whenever you go through Learn Mode, you will be prompted to configure the function of socket 3 irrespective of whether the current mode is One Button or Two Button.

Once the required setting is displayed, touch the Speed button briefly to move to the next Learn Mode:

4.5 Switch 3 Setup

This mode allows the function of socket 3 to be configured. There are four possible configurations: left click, double click, drag lock and right click. Press Switch1 until the required function is illuminated on the green LEDs.

Once the required setting is displayed, touch the Speed button briefly to move to the next Learn Mode:

4.6 Switch 4 Setup

This mode allows the function of socket 4 to be configured. There are four possible configurations: left click, double click, drag lock and right click. Press Switch1 until the required function is illuminated on the green LEDs.

Once the required setting is displayed, touch the Speed button briefly and the unit leaves Learn Mode, emitting a warbling beep as it does so. Settings are retained in the unit's memory and automatically recalled when power is applied.