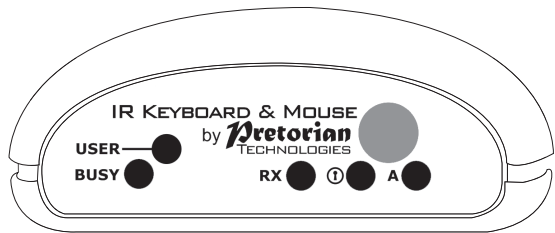# *Pretorian* TECHNOLOGIES

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INSTRUCTIONS

IR Keyboard & Mouse

Pack Contents

Carefully check the contents of the box, which are:

IR Keyboard and Mouse
Instructions for use

Product Description

IR Keyboard & Mouse is an accessory to AAC devices, allowing the user to make use of their AAC device to navigate and type on another computer. For example, if a user needs ad hoc use of a computer in an office or school setting which is not part of their own AT configuration, IR Keyboard & Mouse can simply be plugged into the target computer and the user may control the computer wirelessly from their AAC device.

IR Keyboard & Mouse makes use of the infra-red output that is available on most AAC devices and should be used together with the associated Gridsets/ Pagesets that may be downloaded from the Pretorian website and installed on the user's AAC device. There are Gridsets/ Pagesets for most combinations of AAC device and AAC software.

In certain situations, there may be more than one user making use of **IR Keyboard & Mouse** at the same time in the same room. To prevent interference, four User numbers are allowed, and provided the hardware is set to the same User number as the Gridset/ Page Set, interference-free operation is assured.

- **Full keyboard and mouse functionality**
- **Allows ad hoc use of other computers from your AAC device**
- **Four User numbers to prevent interference.**
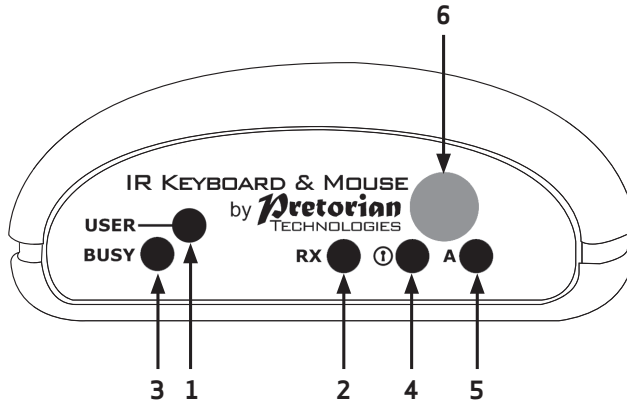
Compatibility

IR Keyboard & Mouse works on any USB compatible computer but is primarily intended for PCs, Macs and Chromebooks. It will work on iPads and iPhones (via an adapter cable), although some functions are not supported by iOS. It can also work with some Android devices (via an adapter cable), depending on which drivers are included in its operating system.

Installation

First of all, plug the **IR Keyboard & Mouse** into any available USB socket on the computer you would like to control. It doesn't matter whether the computer is on or off. The first time you install **IR Keyboard & Mouse** the operating system may take a few seconds to build a driver. There are no driver files to load onto the computer- the computer's resident drivers are always used to help simplify installation.

Next, add the relevant Gridset or Pageset to Grid 3/ Communicator 5, as appropriate to your particular AAC software and hardware. At present, three options are available to download from the Pretorian website...

- **Grid 3 on Gridpad**
- **Grid 3 on I-Series**
- **Communicator 5 on I-Series**

You can locate them easily using the QR code on the back page of these instructions. More options may be made available over time if required.

Please refer to the instructions for your particular AAC device for information on how to add Gridsets/ Pagesets if you are unfamiliar with how to do this. Now start the AAC software and select the **IR Keyboard & Mouse** Gridset/Pageset and you will see a grid/ page resembling a standard keyboard:
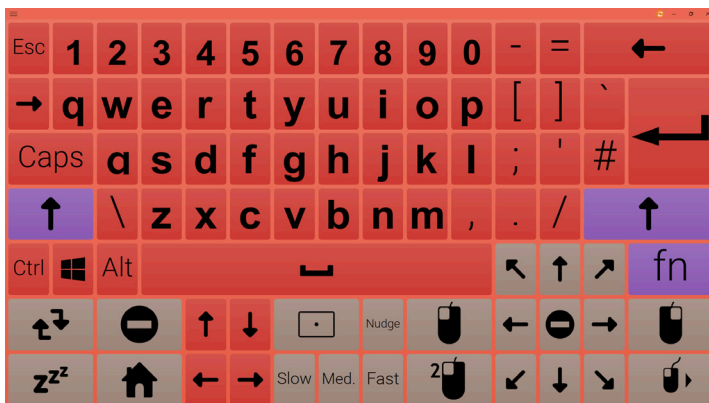
Getting Started

Before beginning to use **IR Keyboard & Mouse** you must ensure that the User number is set to the same value on both the hardware and software. If you are the only user in the room, select User 1. Each time you press the User Select button [1] you will see the Data Received LED [2] flash a number of times. One flash indicates User 1, two flashes User 2 and so on. There are four User settings.

IR Keyboard & Mouse remembers the User setting even after powering down or when moving it to a different target computer.

If there are other people in the room also using an **IR Keyboard & Mouse**, please arrange them so that each uses a different User number to avoid interference.

Once you have your **IR Keyboard & Mouse** set to a particular User number, set the Gridset/ Pageset to the same User number. If necessary, click (or eye-gaze) the Home button (🏠) to get to the settings page.

Finally test that the settings are the same by clicking (or eye-gazing) on any key on the keyboard grid and you should see it appear in a text window on the target computer (for example Notepad on a PC). If not, check the User settings are the same on both the hardware and software and also ensure that the IR Receiver window [6] is pointing approximately in the direction of the back of the AAC device (which is where its IR transmitters are located).

Keyboard Operation

Using the keyboard is fairly self-explanatory. Simply click or eye-gaze on any letter, number or punctuation mark and it will be sent over the IR to the **IR Keyboard & Mouse** and actioned.

To enter a shifted key, click or eye-gaze either of the Shift (↑) keys and the keyboard will change its appearance to show what character you will get in each case. Once a character has been sent, the appearance will revert to the main keyboard.

To change to capitals, simply click or eye-gaze the Caps button and you will see the Caps Lock LED [5] change state.

Clicking or eye-gazing the Function key (fn) also changes the appearance of the keyboard to show the F1-F12 keys along with Insert, Delete Forward, Home, End, Page Up and Page Down, Print Screen, Scroll Lock and Pause. This means that every keystroke on a standard keyboard is available to use. You can use the Back (←) button to revert to the main keyboard at any time.

The Ctrl (Ctrl) and Alt (Alt) keys are 'sticky', meaning that when you click or eye-gaze them, they will remain set until the next key is clicked and then sent along with it. For example, to send Ctrl-c, click Ctrl and then 'c' and they will be sent together. If you click on either Ctrl or Alt by mistake, simply click them again to clear the sticky latch.

Standard keyboards have an auto-repeat feature on most keys simply by holding them down. This isn't possible on **IR Keyboard & Mouse** because of the way in which eye-gazing works, although by clicking/eye-gazing the Auto-Repeat button (↵) most characters can be made to auto-repeat. The Drag/ Key Repeat LED [4] flashes as long as the Auto-Repeat is active. You can then click/ eye-gaze any key and it will auto-repeat, just as if the key had been held down on a standard keyboard. When you are finished, click or eye-gaze the adjacent stop key (⊖) and the unit will revert to normal operation.

Mouse Operation

To move the cursor in any one of the eight directions on the target computer (up, down, left right and all four diagonals), simply click or eye-gaze the relevant button in the cursor grid:
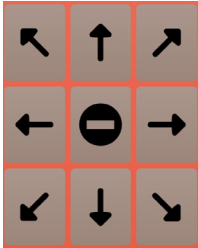
The cursor will move for a pre-determined period of time and then automatically stop. If you wish to stop before that, click or eye-gaze the stop button in the centre. Click again if it didn't move far enough. The speed of the cursor can be changed at any point by clicking/ eye-gazing on one of the cursor speed buttons: [Slow] [Med.] [Fast] .

The Nudge button ([Nudge]) can be used to nudge the cursor by small amounts in any direction when used in conjunction with the eight direction buttons and is particularly useful in allowing the cursor to be positioned very accurately when necessary.

The cursor centre ([□]) button forces the cursor to the centre of the screen, allowing it to be located easily.

Left click and right click can be effected at any time by clicking/ eye gazing the relevant buttons [🖑] and [🖑] . Similarly, double-clicking can be effected by clicking or eye-gazing on [2🖑] .

The Drag Lock (latching left-click) can be engaged at any time by clicking/ eye-gazing the Drag button [🖑] . The Drag/ Key Repeat LED [4] lights whenever the Drag Lock is on.

Maintenance

IR Keyboard & Mouse has no user serviceable parts. If repair becomes necessary, the unit should be returned to Pretorian Technologies or an authorised distributor.

Warranty

Your **IR Keyboard & Mouse** is warranted for 24 months from the date of purchase against defects in manufacture or component failure. The unit is designed for domestic, educational, commercial and a limited range of medical 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 compatible host computer will invalidate the warranty.

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For use with firmware 139/140

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