

# GENOVATION

## Computer Input Devices

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## PS/2 & USB HID Keyboards

### PS/2 & USB Human Interface Keyboard Devices

Available in select Genovation products

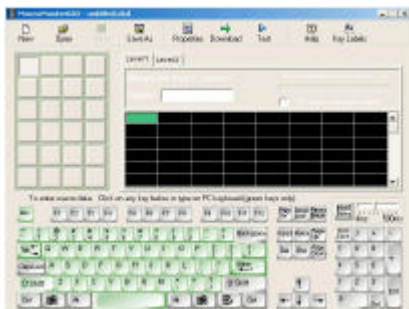
#### Background:

Standard PC's usually come equipped with a **PS/2 keyboard** port that takes typed in keystrokes and routes them, thru the operating system and into PC applications. Any **PS/2 keyboard** device must follow the PS/2 standard and power up requirements. The key codes are entered directly into the operating system and made immediately available to the (top-level) application program running.

A standard **USB HID** (Human Interface Device) keyboard functions in a very similar manner as a **PS/2 Keyboard**. Once plugged into a USB port, the operating system identifies it and loads a standard **USB HID** device driver, which controls keyboard. Any keystrokes from the **USB HID** keyboard are routed thru the operating system as standard keyboard codes and made available to any application program running. Essentially, **PS/2 or USB HID** keyboard data will show up wherever the cursor is flashing and within the application, which has the ACTIVE focus of the operating system. Because of this, they are easy to implement and operate. However, if two or more **PS/2 or USB HID** keyboards are being used on the same PC, then all key codes will show up at the cursor and sorting out the data is difficult.

#### Genovation Programmable PS/2 and USB HID keyboards:

Genovation makes a series of fully programmable keyboards that allow the user to configure any of the keys to output any keyboard codes, included macros up to 110 characters per key. The Controlpad series include an easy to use program to create and download your key codes to the keypads.



The MacroMaster software creates, saves, and downloads the key table directly to the Controlpad. Once downloaded, the Controlpad will function Just like any standard **PS/2 or USB HID keyboard**, only with custom key codes. No driver programs are needed.