

Sliding Keyboard—How it works

Both paddles slide to type a character. The paddles do not twist or rotate. Paddles can slide at the same time or one at a time. Slide right paddle to the select the character group that you wish to type from. The left paddle selects the character to be typed on the right.

The key map is based upon the orbiTouch Keyless Keyboard by Blue Orb Inc.

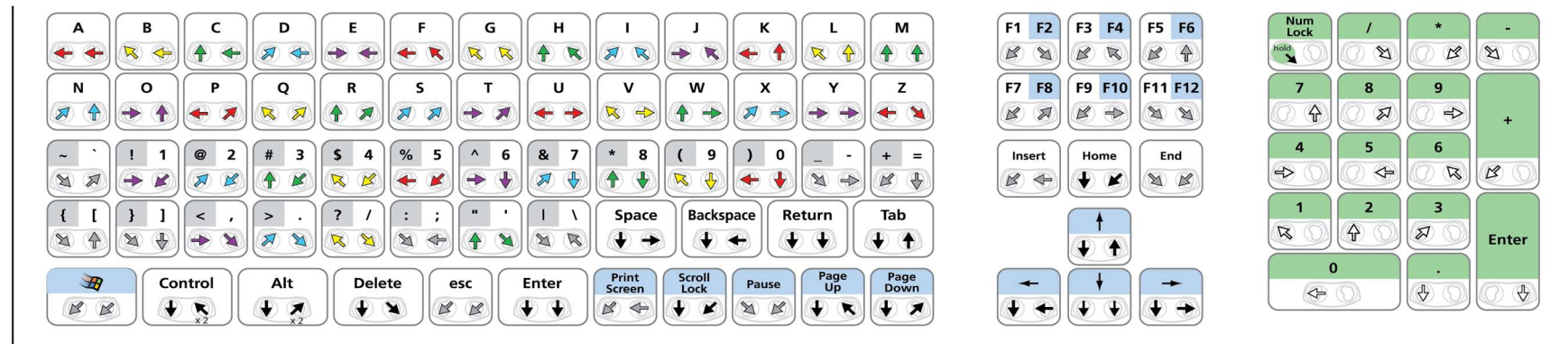


Figure 1 orbiTouch Keymap

Health and Safety Concerns

Health and safety concerns are minimal, the keyboard is constructed of nontoxic material. As far as the development of our product, we are prototyping with a chemical laser bed and we have to ensure proper ventilation and eye protection is used during operation. The 3D printers are printing with polylactic acid (PLA) thermoplastics that are food grade, thus posing limited risk and no noxious fumes during extrusion. Furthermore, we are soldering with leadless solder and are ensuring that proper safety measures are taken in the lab.