

User's Manual for all USB and PS/2 Deck Legend backlit keyboards

The Deck Legend keyboard is purchased with either a USB or PS/2 interface. Please read the applicable paragraphs.

PS/2 Interface System Requirements:

The keyboard is PS/2 compatible and requires a PS/2 keyboard port. A 6 pin mini-DIN to 5 pin DIN adapter cable can be purchased from 3rd party vendors if your PC has a 5 pin DIN receptacle.

PS/2 Installation:

Power-down your system before attaching data cord to the keyboard port of your PC. The keyboard is now ready to be used. The keyboard uses the host computer's operating system software drivers and therefore do not require custom software drivers to be installed on the host computer prior to use.

USB Interface System Requirements (including Mac users):

This device is designed for use with any computer with a USB port running Windows Vista, Windows XP, Windows 2000, Windows Millennium Edition, or Windows 98, and Mac OS9/OSX. It has also been tested on several (but not all) Linux distributions and found to work properly. The keyboard uses the host computer's operating system software drivers and therefore does not require custom software drivers to be installed on the host computer prior to use.

USB Installation (including Mac users):

Although USB devices are "plug and play", you may need to enable your system's USB. If so, please consult your system's documentation. Connect the keyboard's data cord to a USB port. The system may "find new hardware" the first time the device is connected. If so, it will prompt you to find the best software driver for the device. This software driver should be found on your operating system disk. Please follow your system's prompts. The device is now ready for use. Mac users should note that the Num and Scroll Lock keys will not function with the Mac OS. Also, the cursor functions are not supported on numeric keypad keys.

Operation (USB or PS/2 modes):

The keyboard functions similar to any other keyboard; the most noticeable difference is backlighting. The keyboard has 8 levels of brightness: "0" through "7" with "0" being off and "7" being full brightness. Note that LEDs may not be illuminated evenly from key to key at the low brightness levels – especially on the green backlit keyboards. There are two ways to change the brightness level of the keyboard. The first step in either method is to press and hold the "Fn" key down; it's located just to the right of the spacebar.

The first method incorporates the "up" or "down cursor" keys to brighten or dim the brightness respectively. With the "Fn" key held down, if you press one of these cursor keys, the brightness will step one level in the corresponding direction. If you continue to hold the cursor key down, the level will continue to step in that direction at a rate of about 3 steps per second. However, there is no "roll-over". For example, once you reach maximum brightness, the level will not "rollover" to off and then continue getting brighter. This first method of changing the brightness is relative – you don't know your current brightness level - you just want to either brighten or dim the brightness.

The second method is absolute – you know the brightness level that you want and you want to get there directly. The method incorporates the numerical keys located just below the function keys. Again, start by holding down the "Fn" key, then press either "0" for "off", or "1" – "7" for "on" brightness levels.

No information will be sent to the PC while the "Fn" key is held down and either the "up" or "down cursor" keys, "0" or "1" – "7" keys are pressed. In other words, the keyboard doesn't tell the PC these keys are being pressed. It also doesn't matter which key you release first. However, any other key press will be reported to the PC regardless of the state of the "Fn" key.

The keyboard has non-volatile memory to save the backlighting level as well as the brightness mode of the Num, Caps and Scroll Lock LEDs (status LEDs). There are two status LED modes. The first mode has the status LEDs dim along with the backlighting LEDs of the keys. The second mode is a "daylight" mode in which the status LEDs remain bright at all backlighting brightness levels - even if the backlighting is turned "off". Please note that the status LEDs will dim slightly as the backlighting levels decrease toward level 1. The status LED mode is toggled by pressing "Fn" followed by "Caps Lock" key. Just as with the dimming operation, no "Caps Lock" key information is sent to the PC when the "Fn" key is down. If the non-volatile memory fails, the default power-on settings are level 7 brightness and the status LEDs dim along with the backlighting of the keys.

Interface conversion:

The keyboard interface can be changed from PS/2 to USB and vice-versa. Converting the keyboard from USB to PS/2 is not recommended unless you are competent at de-soldering electronic components. Please read all instructions before beginning.

In either case, the keyboard must be disassembled by removing the screws from the bottom side of the enclosure using the appropriate sized Phillips head screwdriver. After removing the screws, turn the keyboard upright and carefully separate the top half from the bottom half. Note the routing of the data cord for strain relief purposes so that it can be routed the same way when the keyboard is reassembled. Also, note the location of the "W3" located on the printed circuit board above and between the "F4" and "F5" keys.

If converting from PS/2 to USB, unplug the USB end of the data cord from the Type A USB receptacle located at "J2" and plug the PS/2 end into the 6 pin mini-DIN female receptacle at "J1" which is located above and between the "F12" and "PrtSc" keys. Then clip-out and discard the 10K Ohm resistor at "W3". Reverse the steps to reassemble the keyboard and follow the USB installation instructions.

If converting from USB to PS/2, unplug and remove the PS/2 end of the data cord from "J1" and plug the USB end of the data cord into the Type A receptacle which is located at "J2". Use a soldering iron and solder removal tool to remove the lead clippings from "W3". Then solder a through-hole, 10K, 1/4W, 5% resistor at "W3". Reverse the steps to reassemble the keyboard and follow the PS/2 installation instructions.

Electrical, Mechanical, Environmental, Regulatory:

This device operates from +5Vdc +/- 10% and draws 500mA maximum.

Overall dimensions: 18.6" x 7.25" x 1.65"

Weight: 3.5 pounds

Storage temperature: -55°C (-67°F) to +85°C (185°F); Operating temperature: -40°C (-40°F) to +70°C (158°F)

This device complies with FCC part 15, subpart B, class B.

This device is a UL recognized component for Information Technology Equipment.

FCC Compliance Statement (Part 15.19)

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning (Part 15.21):

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Care and Maintenance:

No maintenance should be required. The keyboard may be occasionally cleaned using a damp, lint-free cloth.

Additional Information can be found at <http://www.deckkeyboards.com>