

# X-keys® XKE-124 T-bar Specifications

for XK-1370-UFB124-R



- 124 programmable keys + T-bar Control
- Clear, removable key caps for applying and changing legends
- Includes programming software for Windows and Mac
- Free software development kits for developers
- Two color addressable backlighting (red and blue)

The XKE-124 offers a smooth, accurate, and reliable T-bar control with 124 keys to create the perfect control panel for any application. Single units stand readily available for experimentation and prototyping. We support every customer from initial purchase and prototyping through implementation of multiple control consoles.

Free software development kits support all input and output data. Our SDK includes examples for C#, C++, and VB.NET and a separate SDK for Linux. Unique unit ID supports multiple units on the same system.

## Specifications

|                                       |                                                                                                            |
|---------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Operating System</b>               | Use: Any OS via USB HID   Programming: Windows XP through 10, Mac OS X 10.4 through 10.10                  |
| <b>Free Programming Software</b>      | Windows: P.I. Engineering SDK   Mac: ControllerMate for X-keys                                             |
| <b>Free Software Development Kits</b> | Windows (C++, C#, VB.NET), Linux (C++), Android (Java), raw HID (any language/OS)                          |
| <b>Emulation Modes</b>                | HID keyboard, HID mouse, HID game controller                                                               |
| <b>Switch Type</b>                    | Full-travel rubber dome, carbon on gold contacts, guaranteed for over 1 million operations                 |
| <b>Number of Keys</b>                 | 124 single keys                                                                                            |
| <b>Actuation Force</b>                | 120g (4.2oz) break-over, 60g (2.1oz) hold                                                                  |
| <b>Key Cap Type</b>                   | Relegendable with Cherry MX compatible stem                                                                |
| <b>Key Cap Size</b>                   | .625" (16mm) sq.                                                                                           |
| <b>Key Spacing</b>                    | 0.75" O.C.                                                                                                 |
| <b>Optional Keys</b>                  | 2x1, 1x2, and 2x2                                                                                          |
| <b>Backlighting</b>                   | 128 blue and 128 red LEDs, individually addressable                                                        |
| <b>Connector</b>                      | Wired USB 2.0 standard "A" plug                                                                            |
| <b>Cord Length</b>                    | 56" (1.42 m)                                                                                               |
| <b>Dimensions</b>                     | 14" x 7.3" x 1.8" (279mm x 185mm x 46mm)                                                                   |
| <b>Weight</b>                         | 62 oz. (1.7 g)                                                                                             |
| <b>USB type</b>                       | USB 1.1 (compatible through 3.0)                                                                           |
| <b>Power Source</b>                   | USB port, nominal voltage = 5 VDC                                                                          |
| <b>Current Draw</b>                   | No backlight: 37 mA , Blue backlight full: 176 mA, Red backlight full: 265 mA, All backlights full: 358 mA |
| <b>Temperature Range</b>              | -20 to 60 C                                                                                                |
| <b>Memory Capacity</b>                | Approximately 21,000 keystrokes or commands in onboard memory                                              |
| <b>Humidity</b>                       | 80% Rh non-condensing                                                                                      |
| <b>Environmental Rating</b>           | IP 40, typical indoor office environment                                                                   |
| <b>Certifications</b>                 | FCC class B, CE, RoHS, WEEE compliant                                                                      |

Specifications subject to change without notice

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