CLINIKEY™ PANEL-MOUNT KEYBOARD USER GUIDE

Medical Panel-Mount USB Keyboard
Model: KPQW/KP56

1. **Intended Use**
   This keyboard is a sealed, medical-grade keyboard input device intended for use in healthcare, laboratories, or clinical environments. It is designed for panel mounting and USB-C connection to host systems. It operates as a standard Human Interface Device (HID) without requiring custom drivers.

2. **Key Features**
   – Full QWERTY layout or Number Pad layout
   – Sealed design suitable for medical environments
   – USB-C connection (USB HID compliant)
   – Panel-mount with snap-fit design
   – No external drivers required (plug-and-play)
   – Compatible with Windows, iOS, and Linux

3. **Package Contents**
   – 1x Medical Panel-Mount Keyboard
   – 1x USB-C Cable (option)

4. **Installation Instructions**
   A. Panel Preparation
      1. Provide a rectangular opening in the target panel per the dimensions provided in the Datasheet.
      2. Ensure mounting area is clean and free of dust or contaminants.

   B. Mounting the Keyboard
      1. Align the keyboard with the panel cutout.
      2. Firmly press the keyboard into place until you hear or feel the snap-fit engagement, continue to press on keyboard until it is firmly pressed to the mounting surface.
      3. Ensure the keyboard is flush with the panel surface and securely seated.

   C. Connecting to Host System
      1. Connect the USB-C cable to an available USB-C port on your computer or medical device.
      2. The system will automatically recognize the keyboard as a standard USB HID device.
      3. No drivers or additional software are required.
      4. If the keyboard has a backlight option, the LEDs will bloom to full brightness to indicate the keyboard is ready for use.

5. **Cleaning and Maintenance**
   – Disinfect using hospital-grade wipes (e.g., 70% isopropyl alcohol, quaternary ammonium compounds).
   – Avoid submerging in liquid.
   – Avoid using abrasive materials or solvents.
   – To lock out keys prior to cleaning, press and hold the "Clean" key for 5 seconds until the orange indicator lights. The keys will not function to allow for wiping the panel without unintended keypress. Once cleaning is complete press and hold the "Clean" key for 5 seconds to return to normal operation. The orange indicator will turn off when in normal operation.

6. **Technical Specifications**
   – Interface: USB-C (USB 2.0 or higher)
   – Compliance: USB HID class device
   – Operating Voltage: 5V DC
   – Current Draw: <2.1W
   – IP Rating: IP6X
   – Operating Temp: -20 °C to 45 °C
   – Storage Temp: -40 °C to 70 °C
   – Operating Humidity 20% to 80%
   – Altitude: up to 35,000 ft

7. **Warnings**
   1. Do not modify this equipment without authorization from Grayhill Inc.
   2. Install in ESD safe environment.
   3. Use only USB IF or USB cable provided.
   4. Do not use USB Cables longer than 3 meters.

8. **Label Symbol Table**

Symbol	Meaning	Symbol	Meaning
[i]	Consult instructions for use	(cc)	Country of manufacture
REF	Catalog number		Product should not be disposed of in regular household trash
SN	Serial number		
	Manufacturer	□	Class II double insulation product

9. **Disposal Instructions**
   This device contains materials such as electronic components, plastics, and metals that require proper disposal in accordance with local regulations. This product must be disposed of according to the applicable e-waste regulations. (IEC 60417-5840/ISO 7000-1135). Do not dispose of this device in household waste. It must be collected and handled as electronic waste (e-waste). Return the device to an authorized collection center or contact your local distributor for guidance.

9. **Troubleshooting**

Issue	Possible Cause	Solution
Keyboard not recognized	Loose USB-C connection	Reconnect cable and verify secure connection
No response	USB port malfunction	Try a different USB-C port or restart the host
Keys not responding	Host OS issue	Check device manager / system report for keyboard status

10. **Regulatory Compliance**
    – CE
    – RoHS Compliant
    – REACH EU Regulation
    – UL
    – REACH Compliant
    – IEC 60601-1-2 (EMC for medical environments)
    – ICE 60601-1:2024 class II installed
    – IEC 62304 Class A

Specifications are subject to change.
Patents applied and pending.