Medical Keyboard User Manual
Version 5.0

Bytec

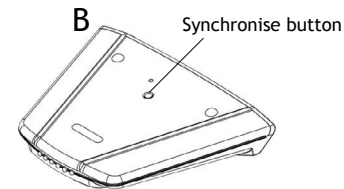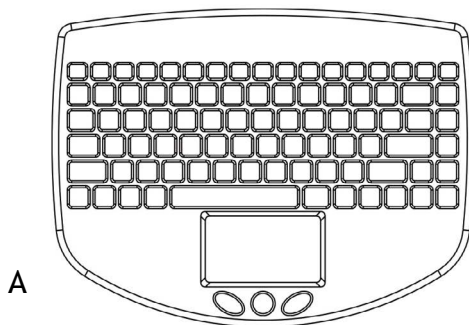People, Innovation and Technology

IMPORTANT

⚠️ **WARNING!** PLEASE READ COMPLETE USER MANUAL BEFORE DEVICE INSTALLATION.
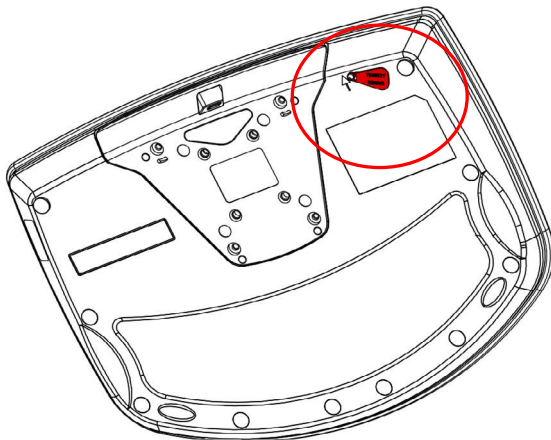
Before operating your Medi-Key for the first time, please remove, and safely dispose of, the red transit tag located on the underside of the keyboard.

B — Synchronise button

A	Medi-Key keyboard
B	Docking station (Wireless keyboard only)
C	5 pin mini "B" USB to Type "A" USB connector (Male) cable Note: Cable (Item C) is fixed to keyboard (Item A) in wired version.

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Medi-Key™

Quick Start Guide

1. Connect your Medi-Key keyboard and docking station to PC with supplied USB cable.

2. Power on PC (wait for desktop icons to appear and complete loading).

3. PC will alert you that 'New Device Found' and 'Hardware Ready to Use'.

4. The Medi-Key is now ready to use.

Wireless Keyboard Only: After Step 3, the green status LED will blink for a few seconds to indicate that the Med-Key has started to charge.

NOTE:
When using the Medi-Key keyboard for the first time, you must leave it connected to the docking station for a **minimum of 4 hours**. This is the required time to charge the battery.

Do not use the keyboard backlight function during this initial charge.
(*applicable to back-illuminated version only*)

Getting to Know Your Medi-Key

Entering Disinfect Mode

To ensure a suitable cleaning schedule for the Medi-Key keyboard there are in-built timers as well as a manual over-ride which alert the user to the need to observe disinfecting routines.

During the cleaning process the docking station must be connected to the PC and the PC must be powered up.

There are four modes of operation for disinfecting the Medi-Key keyboard, these are:

Mode 1 – No Timer (factory default setting)

1. User presses $\boxed{Fn}$ + $\boxed{Esc}$ keys to go into Disinfect Mode.

2. Both the disinfect LED and status LED flash repeatedly.

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3. No key codes or mouse movements are transmitted to the PC whilst in this mode.

4. When predefined key presses have been detected, the Medi-Key recognises that a cleaning procedure has been carried out.
   Note: When cleaning, apply sufficient force to collapse keys as you wipe.

5. The disinfect LED now "goes out" and the status LED flashes repeatedly, indicating a successful clean has been carried out.

6. User presses $\boxed{Fn}$ + $\boxed{Esc}$ keys together; the keyboard goes into normal operating mode; the disinfect LED is **OFF** and the status LED is **ON**.

7. If the Medi-Key needs to be used whilst in disinfect mode, the user may come out of Disinfect Mode by pressing $\boxed{Fn}$ + $\boxed{Esc}$.
   The Medi-Key will now function normally, although the disinfect LED will remain **ON** to indicate that the cleaning routine has not been completed.

Section 1   Getting to Know Your Medi-Key

Modes 2, 3 & 4 are Timed Settings

As shown in the table below the Medi-Key keyboard will request cleaning after:

Disinfect Mode	Time
2	6 hours
3	12 hours
4	24 hours

NOTE:

The timer will only operate when the Medi-Key is powered-up. When the Medi-Key sleeps, the timer will pause. When the Medi-Key shuts down, or is manually powered-down, the timer will be saved to memory and restored on power-up. The timer will only monitor the time the unit is active.

Whilst in Modes 2-4, the user can still clean as per Disinfect Mode 1, in which case the timer would be reset.

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To select the desired Disinfect Mode, remove the Medi-Key from the docking station and turn off the Medi-Key by pressing [Fn] + [Esc] until the green status LED is off. Then:

1. Turn the Medi-Key keyboard on by holding both [Fn] + [Esc] keys down, and continue to press them together with the [↑] arrow key.
2. The disinfect LED will flash once to show that this is set to Mode 1.
3. Press the up arrow key again and this will select Mode 2.
4. The disinfect LED will flash twice to show that this is now set to Mode 2.
5. Repeat steps 3 and 4 for Modes 3 and 4. The LED will flash 3 and 4 times, respectively. Similarly, you can go down settings by pressing the [↓] arrow key.
6. Once you have selected your desired Disinfect Mode, simply release all keys.
7. This setting will now be stored unless it is changed again. This setting will also be stored when the Medi-Key is switched off.

Section 1

Getting to Know Your Medi-Key

Sleep and Power Down (wireless keyboard only)

When the Medi-Key is disconnected from the bridge and is powered by the battery, the Medi-Key and touch pad will go into Sleep Mode after 15 minutes of inactivity, and power down after 48 hours of inactivity.

When the Medi-Key is connected to the docking station, it will operate as a standard keyboard and touch pad and will not go into Sleep Mode or power down.

If the Medi-Key has powered down due to 48 hours elapsing without activity, it can be powered up and recharged by returning it to the docking station.

If Disinfect Modes 2 to 4 are set, the Medi-Key keyboard will remember for how long it was used before it goes into power down.
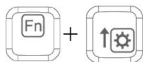
Backlighting Keys (optional)

When backlighting is used, there are 3 different brightness settings to choose from.
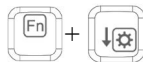
To adjust the brightness of the illuminated characters on each key, simply press the [Fn] key, then the [↑✦] arrow key to increase brightness, or the [↓✦] arrow key to reduce the brightness:

[Fn] + [↑✦] increase brightness

[Fn] + [↓✦] decrease brightness

NOTE: The [Fn] and [↑✦] [↓✦] keys are permanently illuminated on the backlit version.

(wireless keyboard only)

When the Medi-Key goes into Sleep Mode, the backlighting is switched off (except for the $\boxed{\text{Fn}}$ and $\boxed{\text{↑☼}}$ $\boxed{\text{↓☼}}$ keys), to extend the battery life.

Backlighting is also switched off when the Medi-Key is docked. The user will need to switch on the backlighting using the $\boxed{\text{Fn}}$ and $\boxed{\text{↑☼}}$ keys, if illuminated keys are desired whilst the Medi-Key is docked.

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Synchronising with Docking Station (wireless keyboard only)

The Medi-Key is pre-configured to work with the docking station supplied.

If you do need to manually pair your Medi-Key with a docking station, follow the steps below:

- Press the Synchronise button on the docking station (A red light will flash)
- With the Medi-Key switched on press and hold [Fn] + [Delete] .
  (Docking station LED should flash green twice, quickly)
- The touch pad and Medi-Key keyboard should now operate wirelessly.
- A small green LED on the docking station indicates activity on the Medi-Key keyboard and touch pad.

Disabling the Touch Pad

The Medi-Key touch pad and mouse buttons can be disabled. This allows the user to rest the wrists on the base of the Medi-Key whilst typing, without touch pads movements being transmitted to the PC. When the touch pad is disabled, the mouse buttons will also be disabled.
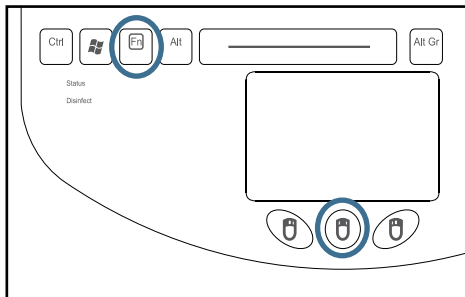
To **Disable** the touchpad and mouse buttons, press and hold the $\boxed{\text{Fn}}$ key, then press the $\textcircled{\text{🖱}}$ key (Middle Mouse Button).

To **Enable** the touchpad and mouse buttons again, repeat the key combination above, holding the $\boxed{\text{Fn}}$ key and then pressing the $\textcircled{\text{🖱}}$ key (Middle Mouse Button).

Cleaning

The Medi-Key has been designed to be easily cleaned under running water.

Recommended methods of disinfecting the Medi-Key are:

- The Medi-Key can be reliably cleaned with alcohol wipes or hospital-grade disinfectant when required.

- The Medi-Key can be deep-cleaned with lukewarm soapy water, rinsed under running water and dried lightly by hand with a towel.

- The docking station must only be cleaned with wipes.

WARNING: DO NOT wash the docking station* with water or under running water.

* Please refer to page 3 for an illustration and description of the docking station.

Battery Management (wireless keyboard only)

WARNING! RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. PLEASE DISPOSE OF USED BATTERIES RESPONSIBLY, ACCORDING TO YOUR LOCAL WASTE REGULATIONS.

The rechargeable battery installed within the Medi-Key is not serviceable by the user.

The status LED indicates the following:

GREEN	Battery within normal operating range.
AMBER	Low battery level. Return to docking station to charge.
RED	Battery Fault. Return Medi-Key to reseller for investigation.

The battery will normally be fully recharged in 2-4 hours when completely flat, although this is dependant on the settings of the USB port on the PC. Expected performance figures for wireless runtime:

Backlit	Between 3.5 and 10 hours, depending on brightness level.
Non-Backlit	42 hours continuous usage.

Medi-Key™

Specification and System Requirements

The Medi-Key keyboard and touch pad are compatible with **PC systems only**, with a basic configuration of at least:

Intel® Celeron® 600 MHz processor, 256 MB of RAM

Windows 8+, Windows 7, Windows XP, Linux
(Including 64 bit editions)

Health and Safety

The Medi-Key has been designed to meet the very highest of quality control standards, with a construction that is sealed against water ingress.

There are no user-serviceable parts to maintain. Any attempt to open or maliciously damage the Medi-Key will void its manufacturer's warranty.

If the Medi-Key fails to operate as expected, please refer to the **Troubleshooting** section in this manual.

As with any keyboard, to avoid the risk of RSI*, do not operate the Medi-Key for extended periods of time.

* Repetitive strain injuries

Troubleshooting

If your Medi-Key fails to operate, please ensure that the USB cable is properly inserted into both the device and the PC (which is powered on).

(wireless keyboard only)

Leave the keyboard on charge whilst connected to the PC (as above) for at least 2 hours before trying to reuse it.

After 2 hours, press the $\boxed{\text{Fn}}$ + $\boxed{\text{Esc}}$ keys together to re-attempt to turn on the device.

Check that the docking station and keyboard are paired. Follow steps as detailed in **Section 1** to manually pair your keyboard and docking station together.

If your keyboard continues to fail to operate, please contact your reseller for assistance.

Support and Accessories

Thank you for choosing the Bytec Medi-Key.

Please contact your local reseller for further support and assistance.

To be kept informed about future accessories for Medi-Key, and other Bytec products which will further enhance your purchase, please visit the Bytec website and subscribe on-line for our regular newsletter.

www.bytechealth.com

Thank you.

Warranty Information

The manufacturer guarantees that the Hardware Products that you have purchased or leased from the manufacturer are free from defects in materials or workmanship under normal use during the Limited Warranty Period. The Limited Warranty Period starts on the date of purchase or lease from the supplier. Your dated sales or delivery receipt, showing the date of purchase or lease of the product, is your proof of the purchase or lease date. You may be required to provide proof of purchase or lease as a condition of receiving warranty service. You are entitled to hardware warranty service according to the terms and conditions of this document if a repair to your Product is required within the Limited Warranty Period.

Eco-Stand™

Entry level, lightweight mounting solution. Ideally suited for monitoring devices with a small footprint.

MIT-Cart™

Mobile computing and workstation platform. Highly manoeuvrable, with fixed or adjustable height.

Geni-Tec™

Intelligent battery and modular power management system.

Smart-Cart™

Robust mobile computing platform. Features an electromechanical, height adjustable work surface.

Bytec designs and manufactures a wide range of products specifically designed to meet the high standards required within the modern healthcare environment.

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