**BodiTrak Matress Sensor System (BTM)**

Quick Reference Guide

### SYSTEM COMPONENTS

**A**
Bed Monitor Pressure Mat with attached USB cord.

**B**
Monitor / Tablet

**C**
Dataport

### HARDWARE SETUP

**A**
Place coverlet on the bed and connect straps. Caution: do not pull straps too tight as this can create a “hammocking” effect, and not allow the patient to immerse completely into the support surface/mattress.

**B**
Plug the USB cable from the coverlet into the Dataport and plug the Dataport power supply into a wall outlet. **DO NOT CONNECT THE COVERLET’S USB CABLE TO THE USB PORT LABELED “Tablet”.** This port is designed only for charging your tablet when the dataport is also connected to its power supply. Your sensing mat will NOT work if connected to USB port labeled “Tablet”.

**C**
Connect the Tablet’s USB to the Dataport’s USB labelled as “Tablet”.

### SYSTEM SETUP

**A** TURN ON THE DATAPORT
Turn on the dataport by pressing the green button. Check the Green LED light on the power button of the Dataport. After a couple of minutes, the Green LED light should flash ON every 7 seconds approximately when in Direct Mode (visible on tablet’s wifi settings)

**B** TURN ON TABLET
Connect the tablet to your local WiFi, click on the “Play Store” application located on the tablet’s Home Screen and search for “BodiTrak”. Click on “BodiTrak Bed Monitor” and check for any available updates. There could be periodic software updates so please check back frequently.

**C** CONNECT TO DATAPORT
Go to your tablet’s WiFi settings, locate and connect to the desired dataport. Dataport’s name (SSID) and password to connect to the dataport are located on the side of the dataport unit.

**D** OPEN BED MONITOR APP
Navigate to the Tablet’s Home Screen. Find and tap on the Bed Monitor Application to open it. Allow all permissions prompted by the application. Ensure device location is enabled
**CONFIRM THE CONNECTION**

The app should open to real time pressure mapping screen. In the upper right corner you can confirm the correct dataport being displayed. Apply pressure to coverlet to ensure you have the right connection and that the system is working properly.

**START MAPPING**

Place patient on bed to begin live pressure and/or bed exit monitoring.

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**LIVE PRESSURE MAPPING VIEWS**

**PRESSURE** view provides continuous, real-time pressure monitoring. It also displays Average and Peak pressure data. Use this view when repositioning the patient.

**GRADIENT** feature indicates potential tissue trauma due to shear forces. Shear injury can occur while the patient has the head of the bed up or when they are changing position. Warmer colors indicate rapid changes where skin may be most at risk in pressure across the bed.

**RISK** includes an algorithm based on the Reswick-Rogers curve and indicates tissue loading over time. Warmer colors indicate where the skin may be most at risk of injury and intervention may be required. Risk is measured in mmHg/h. Check this view before repositioning patient.

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**BTM KEY FEATURES**

- **Pressure scale:** this is preset to your facility protocol during set-up. Warmer colors indicate higher pressures.
- **Risk tab:** quickly helps caregivers understand where the patient’s skin may be most at risk to pressure injuries due to tissue loading.
- **Pressure mapping tab:** select this view to see live pressure monitoring view.
- **Gradient tab:** indicates potential tissue trauma due to shear forces.
- **Repositioning timer:** tracks the time until the next reposition is due and alerts the caregiver.
- **Reset:** allows you to reset the Repositioning timer. Make sure to press at each reposition.
- **Center of pressure:** the small dot indicates the center of pressure of the person on the bed.
- **2D:** alternates views between 2D and work in progress.
- **Dataport:** indicates current dataport connection. It also gives you the capability to change the Dataport’s name.
- **Orientation:** flips the view by 180 degrees.
- **Picture icon:** access stored screenshots.
- **Use the Camera button to take screenshots.**
- **Mute:** temporarily mutes the Repositioning Timer. It is recommended that when alarm indicates it is time to reposition the patient. Time is adjustable.
- **Off:** turns off repositioning timer/alert.
On the top right of the user interface there is an icon of three vertical dots. Tapping this brings up the following list of options:

- **Connection:** This brings up the Tablet’s WiFi settings window as described in the installation section.
- **Settings:** Settings are normally preset and you shouldn’t need to adjust these. See the complete user manual for more details on settings.
- **Data review:** Allows you to review patient’s history.
- **Download Recordings:** This allows you to name and download a recording as a .csv file within a “BedMonitorExports” folder in the tablet’s Download folder.
- **User Manual:** Allows you to open the user manual in .pdf format.
- **Logout:** When login is enabled, this is where a person can logout.

### KEY SETTINGS TO ADDRESS

Please note that not all settings will be available at the bedside. Access to settings is determined by your facility at time of product installation.

- **Patient Information:** In this section you can put a patient’s specific information. It is important that patient weight be correct in order for the pressure mapping display to be accurate.
- **Alarm Settings:** In this section you can adjust the alarm volume based on patient tolerance or facility protocol. This is also where you turn on the Bed Exit Alarm.
- **Application Information:** Shows current version of software and firmware in use. Software and firmware updates can also be done on this tab. IT support may be required for this function. It is recommended that you check for updates on a monthly basis.

### USING THE BED EXIT ALARM

- Simple plug and play functionality - the bed exit alarm can be activated in the settings under “Alarm Settings”.
- BodiTrak incorporates an algorithm to monitor and alert when patient movement is outside a defined safe zone, indicating an intent to leave.
- The monitoring is based on patient’s weight, speed, specific types of movements and amount of pressure that indicate risk.
- The black dot indicates center of mass, and the line coming out from that mass indicates direction of movement.
- Unlike many competitive products, the bed exit sensors are incorporated into the mattress coverlet.

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For further information about BodiTrak Systems: 800-822-3553  www.boditrak.com