

THE FOLLOWING SECTIONS ARE INTENDED FOR STAFF USE ONLY. PLEASE REFER TO SECTIONS 11, 12 & 13 FOR SPECIFICATIONS, WARRANTY & CONTACT INFORMATION.

8.0 Preventative Maintenance & Service

It is recommended that the Controller be returned to the manufacturer for annual maintenance and performance check under applicable warranty / service contract. Routinely check Controller and Power Cord for signs of wear or damage and replace if necessary using Dabir certified parts. For any non-serviceable damage, please contact the manufacturer (Do NOT dispose).

Serial Number Labels

All serial numbers are in the following format: LSYDDDDXXXXT Please provide component serial numbers when requesting service.

NOTE: Serial number can be found by locating the **SN** symbol on the appropriate component label.

Preventative Maintenance Checklist:

At minimum, check all items listed below during annual preventative maintenance. You may need to perform checks more frequently based on your specific level of use. Always remove product from service, clean and disinfect (while unplugged) before performing preventative maintenance or service.

PREVENTATIVE MAINTENANCE CHECKLIST:

Product Serial Number: _____

Completed By: _____ Inspection Date: _____

Visual Inspection Checklist (POWER DISCONNECTED)

REQUIRED: ASSEMBLED CONTROLLER (*Surfaces are semi-disposable and not considered serviceable.*)

Inspect the following components and assemblies for signs of visible damage or wear. Replace if applicable or contact manufacturer for service. (See System Mechanical Diagram for components listed below)

- ☐ Front, Rear, and Middle Housings (cracks, loose or missing parts, structural damage, gasket integrity)
- ☐ User Interface Display (cracks, legibility)
- ☐ Rubber Mounting Feet (four(4): located underside of controller, loose or missing parts)
- ☐ Surface Connector Port (cracks, loose parts, obstructions)
- ☐ Power Cord (loose or missing terminals, cracking, exposed wires, poor retention, debris)
- ☐ Labels (peeling, legibility, torn or missing)
- ☐ Air Inlet (Bottom of middle housing / filter cover: remove any debris / replace)
- ☐ Air Exhaust (Rear housing: remove any debris)
- ☐ Mounting Accessories (damage, integrity)

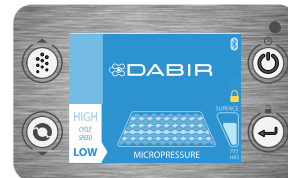
NOTES: _____

8.1 Service - System Performance Check

System Performance Check (POWER CONNECTED)

REQUIRED: Controller, Power Cord, Surface (Any model) & Stop Watch (Not Supplied)

Set-up Instructions: Follow the procedure defined in Section 3. (Surface does **NOT** require bed installation.) Perform the following system checks to confirm basic function:



TEST 1: CONFIRM SYSTEM "POWER ON" FUNCTION:

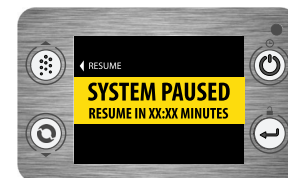
1. Place the Controller on a safe, stable work location and connect the Surface.
2. Confirm that the unit is plugged in, but initially powered "OFF".
3. Power the Controller "ON" per the instructions in Section 4. The System "START-UP" screen should appear and then transition to the main "Blue" therapy screen within 1 minute.
4. Once the "Blue" therapy screen appears, the Surface should begin to inflate it's first zone at the default setting.
5. Monitor function for 2 full alternating cycles and record any alert codes that appear.
6. Follow alert instructions to confirm that they will clear. If not, the performance check is considered a "FAIL".
7. No remaining uncleared alerts is considered a "PASS". Power unit "OFF" per Section 5.

☐ Document results (including alert description & code numbers where applicable): (PASS / FAIL)

NOTES: _____

TEST 2: CONFIRM SYSTEM "PAUSE" FUNCTION:

1. Repeat TEST 1: Steps 1-4 above. Once the "Blue" therapy screen appears, the Surface should begin to inflate its first zone at the default setting. (Confirm with a quick hand check.)
2. Navigate to the "OPTIONS" screen by touching the upper right "POWER" key. **(Note that there is a slightly longer "hold delay" required on this key touch to prevent accidental shutdowns.)**
3. Select the "PAUSE" function identified on the display by touching the lower left "MICROPRESSURE" key per Section 5.
4. A yellow "PAUSE" screen (as shown to the right) should appear with a 30 minute "automatic restart" countdown initiated. If this "PAUSE" screen does not display after three (3) attempts, the test is considered a "FAIL".
5. **NORMAL OPERATION:** The System should remain paused for the duration of the countdown with automatic therapy resuming at the end. (Time = 00:00) If not, the performance check is considered a "FAIL".
6. **MANUAL OVERRIDE TEST:** Repeat TEST 2: Steps 1-4 above to pause the System again (Yellow "PAUSE" screen should appear.)
7. Manually "RESUME" therapy by touching the upper left "MICROCLIMATE" key as prompted by the display. Therapy should resume accordingly.
8. Record any alert codes that may appear during either test. Follow the display alert instructions to confirm that they will clear. If not, the performance check is considered a "FAIL".
9. No remaining uncleared alerts is considered a "PASS". Power unit "OFF" per Section 5.



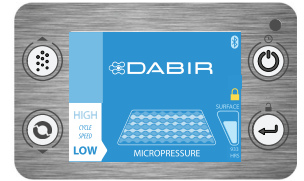
☐ Document results (including alert description & code numbers where applicable): (PASS / FAIL)

NOTES: _____

8.1 Service - System Performance Check - Continued

TEST 3: CONFIRM OPTIONAL SETTINGS CHANGES

1. Repeat TEST 1: Steps 1-4 above. Once the "Blue" therapy screen appears, the Surface should begin to inflate its first zone at the default setting. (Confirm with a quick hand check.)
2. **MICROPRESSURE SETTING:** Change the cycle speed setting by touching the "MICROPRESSURE" key once. The "CYCLE SPEED" status bar (lower left) should switch to "HIGH", accompanied by a single audible tone. Upon its next transition cycle, the Surface should begin to alternate inflation zones every 2.5 minutes instead of the 5.0 minute default cycle. **(Record any anomalies.)**
3. **MICROCLIMATE INPUT KEY:** (NOTE: Microclimate function is currently unavailable in today's Dabir Surface offering. The key is still used for other menu related inputs.) Test by touching the "MICROCLIMATE" key once. The information screen should display the following message: "MICROCLIMATE FEATURE NOT AVAILABLE", then automatically revert back to the "Blue" therapy screen with no interruption in normal System function. **(Record any anomalies.)**
4. **MENU SELECT / LOCKOUT KEY:** (Staff Use ONLY.) Test the "KEY LOCK" function by touching the "SELECT" key for ≥ 4 seconds. The information screen should display a "KEYS LOCKED" notice, then automatically return to the "Blue" therapy screen with a yellow lock icon visible on the middle right of the display. To unlock, repeat Step 4. **(Record any anomalies.)**
5. No remaining uncleared alerts is considered a "PASS". Power unit "OFF" per Section 5.



☐ Document results (including alert description & code number where applicable): (PASS / FAIL)

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8.2 Service - Filter Replacement & Leakage Current Check

Filter Service Kit (POWER DISCONNECTED)

Recommended Replacement: Annually - See Filter Service Kit (C2-9002) **MN**

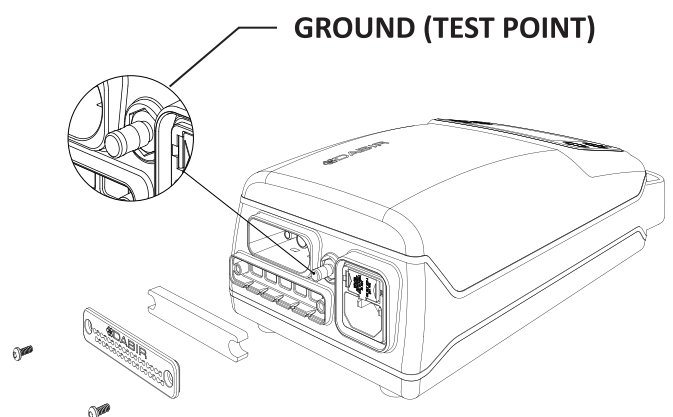
SERVICE INSTRUCTIONS: (Reference Item #s to the System Mechanical Diagram - Page 22)

1. Remove Filter Cover Mounting Screws (2) and dispose. (Item 8)
2. Remove Filter Cover (Item 9) and Air Filter (Item 10) and dispose.
3. Remove any debris from the air inlet pocket.
4. Insert new Air Filter from separately purchased kit.
5. Replace Filter Cover and secure with new Screws.

NOTE: Do not overtighten Screws.

Leakage Current Test - Optional

Use the earth ground test point (see above) to perform standard leakage current tests. Please reference your specific test equipment "Instructions-for-use" manual for guidance. (Not supplied here.)



System Mechanical Diagram (Controller Only)

Primary Components List:

1. Front Housing Assembly (1)
2. Front Gasket (1)
3. Power Supply Mounting Screw (2)
4. Power Supply Assembly (1)
5. Mother Board Mounting Screw (2)
6. Mother Board Assembly (1)
7. Middle Housing Assembly (1)
8. Filter Cover Mounting Screw (2) - *Serviceable Part*
9. Filter Cover (1) - *Serviceable Part*
10. Air Filter (1) - *Serviceable Part*
11. Front Housing Attachment Screw (4)
12. Pump Assembly (1)
13. Blower Assembly (1)
14. Solenoid Assembly (1)
15. Metal Chassis (1)
16. Metal Chassis Mounting Screw (6)
17. Rear Gasket (1)
18. Rear Housing Assembly (1)
19. Fan Cover Mounting Screw (2)
20. Fan Cover (1)
21. Rear Housing Mounting Screw (4)
22. Rubber Isolator Screw (4)
23. Rubber Isolator (1)

NOTES / COMMENTS:

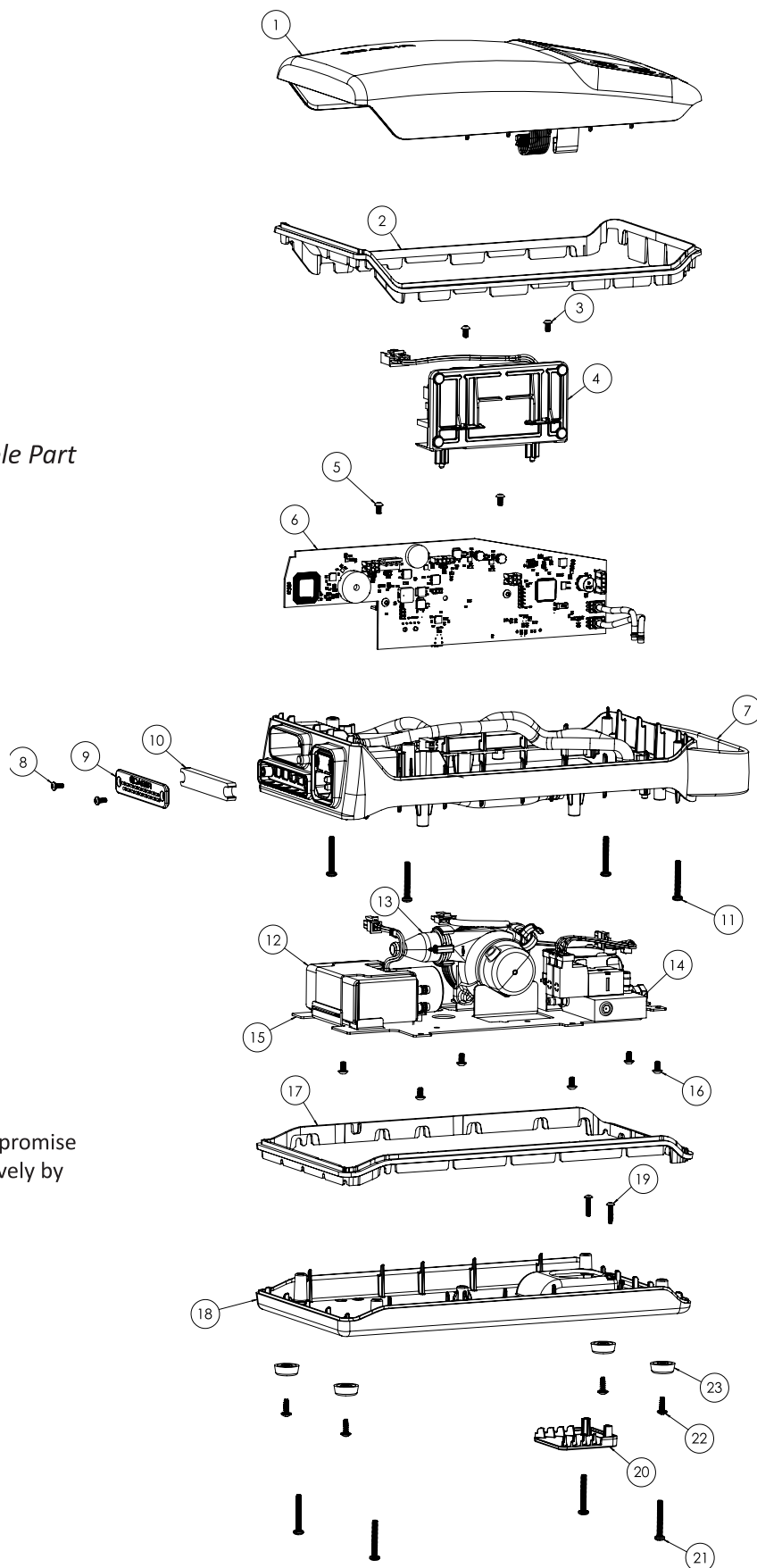
Accessory component detail not shown.

Modification of this device voids warranty and may compromise intended function. Service should be performed exclusively by the manufacturer unless otherwise noted.

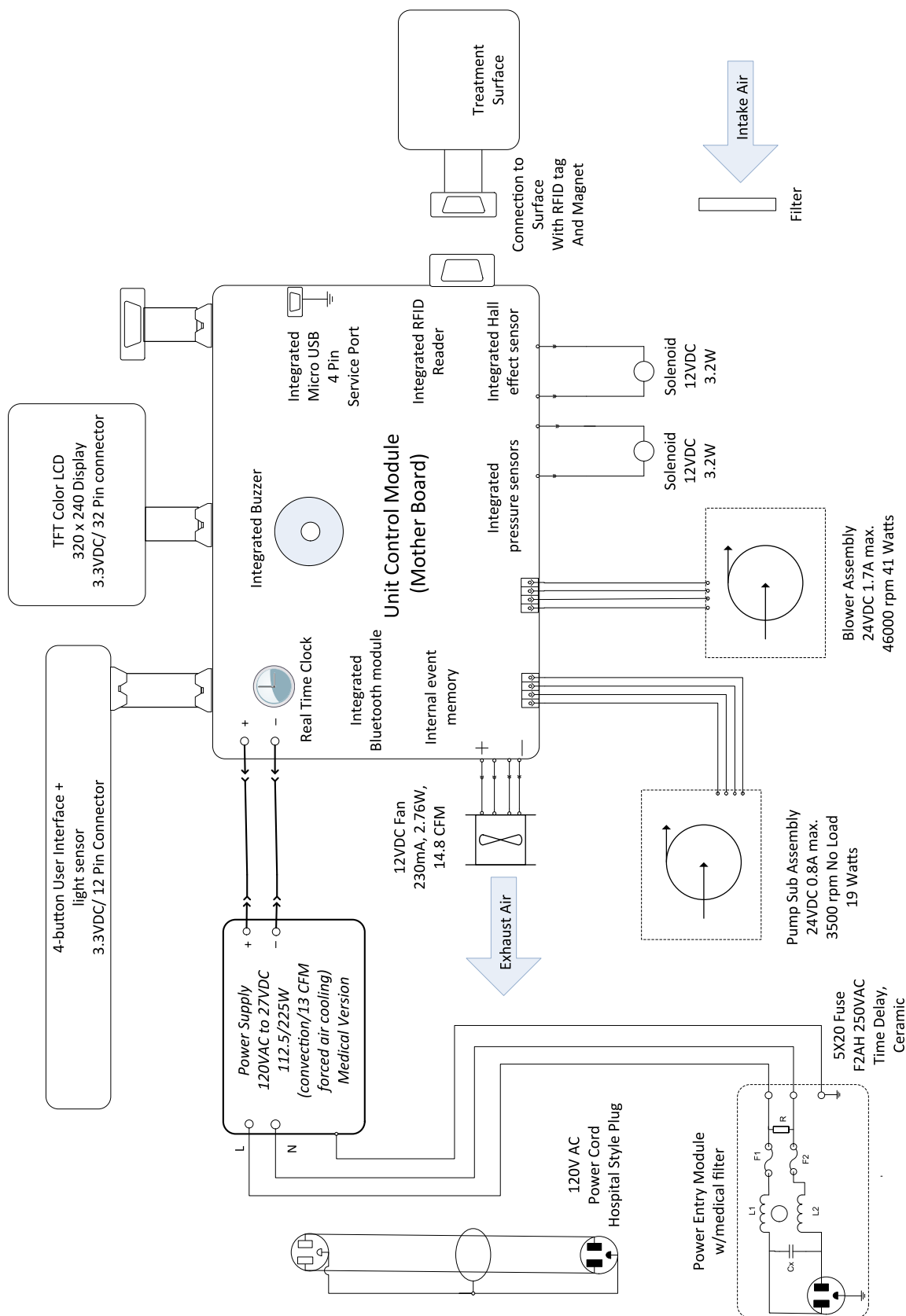
Technical and Warranty Support

support@dabir-surfaces.com

Tel: +1 (888) 559-3642



System Electrical Schematic (Controller Only)



8.5 Service - Quick Reference: Replacement Parts

Quick Reference: Replacement Parts (Controller & Accessories)

Please reference Section 8.2 for service part replacement instructions. **MN**

C2-1001	Controller Only (Facility Use)
C2-90B2-15	15' Power Cord (Latching, non-COO compliant)
C2-9002	Filter Service Kit
C2-9001	Mount - IV Pole Kit

Replacement parts are available for purchase at:

Dabir Surfaces, Inc., 7447 West Wilson Ave., Harwood Heights, IL 60706 USA [Tel: +1(888)559-3641]

9.0 Troubleshooting

Repairs and Technical Support

See Section 6 for specific alert codes.

For non-alert codes and troubleshooting, see table below:

Problem	Potential Cause	Remedy
Controller does NOT power "ON"	No electric supply (Excluding a power outage.)	Confirm Power Cord is plugged into the Controller and appropriate wall outlet.
	Blown fuse	Contact manufacturer
	Internal malfunction	Contact manufacturer
Controller powers "ON" and displays "REPLACE SURFACE"	Surface life expired, connection issue or other malfunction.	Replace Surface (See Section 3.2)
Abnormal noises and/or vibration coming from the Controller.	Internal malfunction	Power "OFF" the Controller. Contact manufacturer.
Air leakage sounds	Hose connection issue or other leakage source	Reconnect Surface (See Section 3.3)
Abnormal odors coming from the Controller.	Internal malfunction	Power "OFF" the Controller. Contact manufacturer

- If Controller fuse is blown, please contact Dabir technical support for service. (DO NOT REPLACE)
- If power source is interrupted, System will automatically restart upon power restoration.
(Manual startup may be required otherwise: See Section 4)

How to reach us:

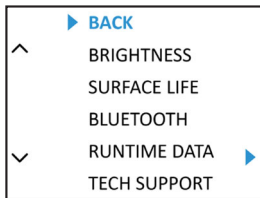
Dabir Surfaces maintains regular business hours from 9:00 a.m. to 5:00 p.m. Central Standard Time.

Technical and Warranty Support
support@dabir-surfaces.com
Tel: +1 (888) 559-3642

10.0 Advanced Settings

Accessing "MENU" mode enables advanced settings options and performance display information.

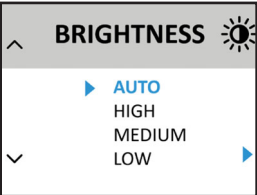

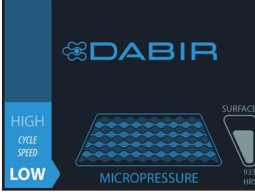

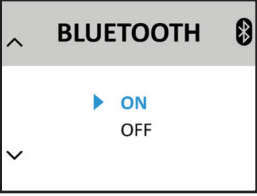
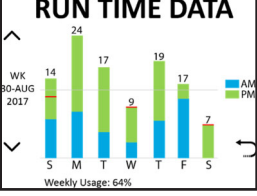

To enter "MENU" mode, simultaneously hold both the "MICROPRESSURE"  and "SELECT"  keys for 3 seconds.



"MENU" Display

NOTES:

- Therapy will continue while in "MENU" mode.
- Use the "MICROCLIMATE" and "MICROPRESSURE" keys to vertically scroll through the various menu options.
- Use the "SELECT" key to navigate into new sub-menus.

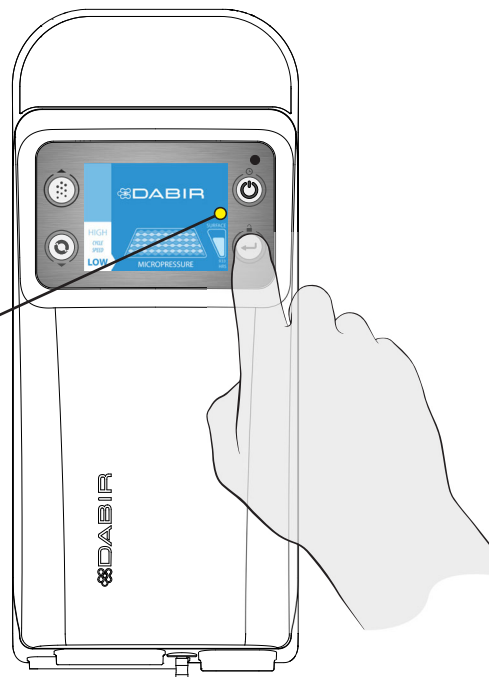
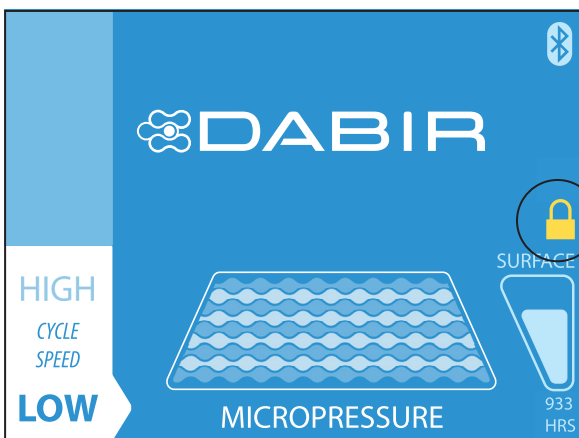
Display	Menu Selection
	<p>Brightness</p> <p>When "AUTO" is selected, ambient light will automatically determine "DAY/NIGHT" mode. Manually selecting either "HIGH", "MEDIUM" or "LOW" will change brightness accordingly.</p> <div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around;"> <p>"DAY" Mode</p> <p>"NIGHT" Mode</p> </div>
	<p>Surface Life</p> <p>Details how much usable Surface life remains before expiration.</p> <p>NOTE: Therapy will not stop until the next power "OFF" or "PAUSE" command occurs.</p>
	<p>Bluetooth</p> <p>This feature is used by manufacturer ONLY for advanced diagnostics purposes.</p>
	<p>Runtime Data</p> <p>Provides customer usage details and performance feedback.</p> <p>NOTE: User may be prompted to confirm local time before "RUNTIME DATA" menu screen appears. Time (HH:MM AM/PM) should be adjusted relative to your local time zone for accuracy. (MM is adjusted in increments of 30 minute intervals.)</p>
	<p>Tech Support</p> <p>Contains manufacturer's contact information, device serial number, model number, and software version of Controller.</p>

10.1 Advanced Settings ("KEY LOCK" Mode)

"KEY LOCK" mode is an optional feature that prevents accidental key activation.

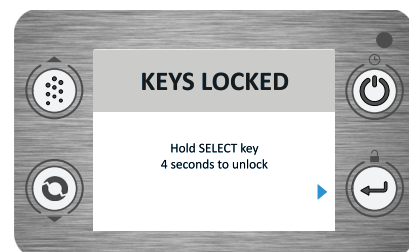
"KEY LOCK" mode "ON":

1. Touch and hold the "SELECT" key  for at least 4 seconds.
2. The "KEY LOCK" mode icon will display when active. (Yellow Lock Symbol)




NOTES:

- "KEY LOCK" mode does NOT change settings or therapy.
- When any other key is touched while in "KEY LOCK" mode, the "KEYS LOCKED" screen will appear instructing user how to exit. This message will automatically disappear within 6 seconds or upon the next key touch.



"KEY LOCK" mode "OFF":

1. Touch any key to access the "KEYS LOCKED" screen.
2. Touch and hold the "SELECT" key  for at least 4 seconds to exit.
3. The yellow lock symbol should disappear granting full access to the controls.