

8x6 Dual Pump User Manual

This guide will walk you through setting up and using your 8×6 Dual Pump for automated control of vacuum, pressure, and heat.

1. Getting Started: Device Setup

Before you begin, let's get your device powered up correctly.

Identifying the Power Ports

Your device has two DC power ports that serve different functions. It is critical to use the correct one for power.

- **Power Input:** Located on the side of the case that has only one port. The main power button is next to it.
- **Heat Pad Output:** Located on the other side, alongside the tube connectors and control buttons. **Do NOT plug the main power cable in here.** This port is exclusively for powering an optional heat pad.

Understanding the Device Buttons

Your device has physical buttons for direct control without the app.

Note: Throughout this manual, "long press" refers to pressing and holding a button for 1 second.

Power Button

- **Location:** On the top of the case, near the Power Input port.
- **Functions:**
 - Short press (during operation): Pause current operation
 - Short press (while paused): Resume operation
 - Long press: Power off device

Note: The device automatically powers on when connected to a power source.

Control Buttons (Top of Case)

These three buttons are located near the tube connectors.

Button 1 – Release Negative Pressure (Above left tube connector)

- Short press: Releases the vacuum and stops any running sequence
- Long press: Calibrates the pressure sensor (indicator light flashes during calibration and stops when complete)

Button 2 – Release Positive Pressure (Above middle tube connector)

- Short press: Releases positive pressure and stops any running sequence
- Long press: Calibrates the pressure sensor (indicator light flashes during calibration and stops when complete)

Button 3 – Heat Pad Control (Above DC output port)

- Short press (when off): Activates 12V output (indicator light flashes slowly)
- Long press (when off): Activates 24V output (indicator light flashes quickly)
- Short press (when on): Turns off the heat pad

Mechanical Release Valves

Each pressure circuit has a manual release valve that can be pressed down to immediately release pressure. These provide a fail-safe mechanism independent of electronic control.

Powering On the Device

1. Plug the included DC power cable into the Power Input port.
2. Plug the adapter into a wall outlet.
3. The device will automatically power on and enter standby mode.
4. Proceed to connect the device to the mobile app.

Factory Reset

To restore factory default settings:

1. Disconnect the device from power.

2. Press and hold the power button.
3. While continuing to hold the power button, connect the device to power.
4. Continue holding the power button for 15 seconds. During the process the LED will blink, once the reset is done the LED will stop blinking.
5. Release the power button.

The device will reset all settings to factory defaults.

2. Connecting via the "8x6" App

Your pump is controlled wirelessly with our dedicated mobile app.

1. **Download the App:** Search for and install the "8×6" app from the Google Play Store or Apple App Store.
 2. **Open the App:** Launch the app.
 3. **Enable Wireless:** Make sure wireless connectivity is enabled on your smartphone.
 4. **Scan for Devices:** In the app, tap on "Scan for devices".
 5. **Connect:** Select the device from the list to establish a connection.
 6. **Confirmation:** A new light will appear on your device, confirming a successful connection.
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3. How to Use the App

The app is organized into tabs for easy navigation.

Direct Control Tab

This tab allows you to manually control the device's functions in real-time.

Vacuum Pressure:

1. Adjust the "Vacuum Control" slider to your desired pressure level.
2. Tap the "Set Vacuum Pressure" button to apply the setting.

Inflation / Positive Pressure:

1. Adjust the "Pressure Control" slider.
2. Tap the "Set Inflation Pressure" button to apply the setting.

Heat Pad Control:

1. To turn the heat pad on, toggle the "Heat Pad Power Status" switch to ON and tap "Set Status".
2. To turn it off, toggle the switch to OFF and tap "Set Status".
3. If your heat pad requires 24V, select 24V under "Power Level" and tap "Set Power".

Emergency Stop:

- To immediately release all pressure (both vacuum and inflation), stop any running sequence, and turn off the heat pad, press the floating "Stop | Release" button at any time.

Routines Tab

Create custom, automated sequences of actions for your device. Routines are transmitted to the device and execute autonomously, so your phone does not need to remain connected during execution.

To Create a New Routine:

1. Navigate to the "Routines" tab.
2. Tap the "Create New Routine" button (usually in the bottom right corner).
3. Enter a descriptive name for your routine.
4. Add steps by tapping buttons for the following actions:
 - **Vacuum Pressure** – Set negative pressure to a specified value
 - **Inflation Pressure** – Set positive pressure to a specified value
 - **Wait** – Pause for a specified duration
 - **Heat Pad On** – Enable the heat pad output
 - **Heat Pad Off** – Disable the heat pad output
 - **Heat Pad 12V** – Set heat pad voltage to 12V

- **Heat Pad 24V** – Set heat pad voltage to 24V
 - **Sub-Routine** – Insert a previously created routine as a nested sequence
5. Configure the settings for each step you add.
 6. Under "Sequence Settings," choose how the routine will end:
 - **Duration:** The routine repeats continuously until the specified total duration elapses.
 - **Cycles:** The routine executes a specified number of times.
 7. Tap "Save Routine".

Nested Routines (Sub-Routines):

You can incorporate previously created routines as sub-routines within a parent routine. This allows you to build complex sequences from simpler building blocks. Each sub-routine can have its own independent duration or cycle settings.

To Run a Routine:

1. Go to the "Main" tab.
2. Select your desired routine from the list.
3. (Optional) You can override the saved cycle count or duration for this specific session.
4. Tap "Start Routine".

Controlling a Running Routine:

- **Pause:** Pauses the routine at its current step.
- **Resume:** Continues a paused routine.
- **Stop | Release:** Immediately stops the routine and safely releases all pressure.

4. App Settings

Customize your app experience.

1. Tap the three-dot menu icon in the top right corner of the app.
2. Select "Settings".

3. Here, you can change the display units for vacuum and inflation pressure (e.g., inHg, cmHg, kPa) to match your preference.
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5. Safety Information

Important Safety Warnings

WARNING: Read all safety instructions before using this device.

- **Do not exceed recommended pressure levels.** Always start with lower pressure settings and gradually increase to your comfort level.
- **Never leave the device unattended while in operation.** Always monitor the device during use.
- **Do not use if you have any medical conditions** that may be affected by vacuum or pressure therapy. Consult a healthcare professional if you are unsure.
- **Stop use immediately** if you experience any pain, discomfort, numbness, discoloration, or unusual sensations.
- **Do not use on damaged or irritated skin.**
- **Keep away from children.** This device is intended for adult use only.
- **Do not use while sleeping.**

Electrical Safety

- Use only the power adapter provided with your device.
- Do not use the device if the power cord or adapter is damaged.
- Keep the device and power adapter away from water and moisture.
- Do not attempt to open, repair, or modify the device yourself.

Heat Pad Safety

- The heat pad output provides 12V or 24V at a maximum of 1.6A.
- Only connect heat pads rated for the selected voltage.

- Ensure proper polarity when connecting the heat pad.
- Do not short-circuit the output terminals.

Pressure Safety

- **The mechanical release valves provide emergency pressure release.**
Familiarize yourself with their location before use.
- If the electronic controls become unresponsive, use the mechanical release valves to release pressure immediately.
- Do not block or obstruct the tube connectors or release valves.

6. Troubleshooting

Problem	Solution
Device does not power on	Ensure the power cable is connected to the correct port (Power Input). Check that the adapter is plugged into a working outlet.
Cannot connect to app	Ensure wireless connectivity is enabled on your phone. Try moving closer to the device. Restart the app and scan again.
Pressure not holding	Check all tube connections for leaks. Ensure attachments are properly sealed. Inspect tubes for damage.
Device not responding	Restart the device. If issues persist, perform a factory reset.
Indicator lights not working	The device may need a factory reset. Contact support if the problem continues.

7. Specifications

Parameter	Value
Input Voltage	DC (see adapter label)
Heat Pad Output Voltage	12V / 24V (selectable)
Heat Pad Output Current	1.6A maximum
Wireless Frequency	2.4 GHz
Pressure Circuits	2 (independent vacuum and positive pressure)

8. Regulatory Information

Mountain Molecules Limited

Unit 2A, 17/F, Glenealy Tower, No.1 Glenealy Central, Hong Kong S.A.R

Notice



This product complies with the radio interference requirements of the European Community.

EU Declaration of Conformity

Hereby, Mountain Molecules Limited declares that the radio equipment type 8×6 Dual Pump is in compliance with Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following internet address: <https://8×6.diy/pages/conformity>



This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Follow local rules and never dispose of the product with normal household waste. Correct disposal helps prevent negative consequences for the environment and human health.

FCC Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a

residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

FCC ID: 2BTNK-DP-122025