

**VIBRATION FREQUENCY AND PERFORMANCE SPECIFICATIONS:**

Below are the precise test results for the four vibration settings\*, obtained under controlled conditions within our manufacturing facility:

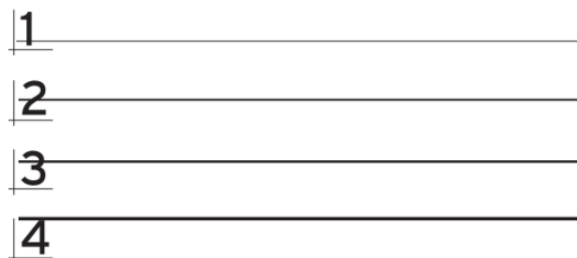
Setting	Speed (RPM)	Frequency (Hz)
1	4710	79
2	5673	95
3	7469	124
4	8310	139

*\*These measurements were taken on a stable surface in a controlled environment. It is important to note that actual vibration frequencies may vary slightly during typical use due to factors such as surface stability and resistance encountered when applying the device to a patient.*

**VIBRATION MODE SPECIFICATIONS:**

**Pattern 1-4: Continuous Vibration**

The device operates with continuous vibration, progressively increasing from low to high intensity. These patterns are designed to cater to a range of applications from light muscle tension relief to deeper therapeutic effects.



### Pattern 5: Gradual Wave-like Intensity

This pattern exhibits a slow wave-like variation, beginning at a low intensity and gradually increasing to a peak, followed by a steady decrease back to a lower intensity. The smooth transition in intensity levels makes it ideal for individuals with varying pain thresholds. The gradual intensity shift ensures a soothing experience, suitable for addressing both acute and chronic discomfort.



### Pattern 6: Closer Interval Gradual Intensity Change

Pattern six mirrors the gradual increase and decrease in intensity seen in Pattern 5, with the intervals occurring more frequently. This pattern is intended as a follow-up to Pattern 5, maintaining a consistent rhythm while delivering continuous relief. It is particularly effective for prolonged sessions and for individuals seeking sustained relaxation and relief.



### Pattern 7: Jagged Intensity with Sharp Drop

Pattern seven starts with a steady build-up of vibration intensity from low to high, followed by an abrupt drop back to the lowest intensity. This dynamic pattern offers a stimulating massage experience, effectively targeting muscle tension and encouraging relaxation. The sharp contrast in intensity enhances the overall sensation and therapeutic effect.



### Pattern 8: Rapid Transition Following Pattern 7

Building on the intensity increase in Pattern 7, Pattern 8 delivers a quicker transition between low and high intensities. The reduced duration of the gradual build-up ensures that the vibration reaches peak intensity more rapidly, enhancing the effectiveness of the treatment. This pattern is ideal for providing targeted relief to tense muscles, offering a more dynamic and invigorating experience.



### Pattern 9: Rapid Pulsating Intensity

Pattern nine deviates from the gradual intensities seen in previous settings, featuring a sharp increase and decrease in intensity with minimal intervals between transitions. This results in a fast-pulsating vibration, providing rapid and targeted relief, particularly useful for acute muscle pain or discomfort. The quick pulsations penetrate deep into muscle tissue, promoting relaxation and alleviating tension effectively. It is well-suited for individuals seeking immediate relief from muscle soreness or fatigue.



### **Pattern 10: Progressive Rapid Pulsating**

Pattern ten incorporates a sharp rise and fall in intensity, creating a pulsating sensation. Over time, the duration of both high-intensity and low-intensity phases shortens, leading to an accelerated pulsation effect. This pattern is designed for intense treatment sessions where immediate and precise relief is required. The alternating high and low intensities deliver a stimulating massage experience, making it suitable for addressing acute pain or providing invigorating muscle stimulation.



### **DESIGN CONSIDERATIONS FOR MULTIPLE VIBRATION MODES:**

Pain and recovery are highly individual experiences, influenced by factors such as muscle density, nerve sensitivity, and the nature of the discomfort being treated. To address these varying needs, the product offers a range of vibration patterns, allowing users to select the most suitable setting for their specific condition.

The versatility of these settings provides options for consistent stimulation aimed at deep muscle relief, pulsed variations to improve circulation, or gentler wave-like motions for soothing comfort. By offering a comprehensive selection of vibration patterns, users gain greater control over their pain relief and recovery, optimizing both comfort and therapeutic effectiveness.

### **BATTERY INFORMATION AND CHARGING GUIDELINES**

**Battery Type:** The device is powered by a Lithium-ion (Li-ion) rechargeable battery, which is known for its high energy density, long cycle life, and efficient performance. Li-ion batteries are widely used in portable electronic devices due to their ability to provide reliable power in a compact form.

**Charger Requirements:** The device is designed to function with a standard 5V USB charger. Use chargers that provide a stable 5V output, such as those with a 5V, 1A or 5V, 2A rating. Chargers with higher voltage outputs (e.g., 9V, 12V, or higher) may result in excessive heat generation or stress on internal components, leading to potential degradation of battery life and functionality over time.