Device Notifications

All light notifications are displayed from the device button, unless otherwise noted.

- **Blue (3 Blinks)**: Session start
- **Blue (Slow Blinking)**: Charging in Progress
- **Green LED (1 Blink)**: App has Connected
- **Green (3 Blinks)**: Session End
- **Green (Slow Blinking)**: Charging Complete
- **Green (Blinks and Vibrates)**: Device Locate
- **Yellow LED (2 Blinks)**: Successful App Pairing
- **Red (1 Blink)**: Critical Battery
- **Red (2 Blinks)**: Device Reset/Reboot
- **Red (Back of Device)**: Firmware Update/Charging

Charging

To charge the device, place the VPro+ in its Charging Case. Do not charge for more than 4 hours at once. Once the device is fully charged, it will blink green to indicate a complete charge. Recommended charging time is once per week or as needed.

Cleaning & Storage

Your Mouthpiece should be cleaned after each use. Detach the Mouthpiece from the Oscillator. Rinse the Mouthpiece under warm water and let dry. The device should be stored in the charging case.

To learn more, go to:
www.PropelOrtho.EU
info@PropelOrtho.EU
+33 2 51 06 00 45

**NEW**

- Patient Mobile Application
- Wireless Charging
- Compact Travel Case

Increase in Tooth Movement Rate* Per Day

Quick How To Guide

1. Charge the device fully prior to first use.
2. Download the VPro+ mobile app and follow on-boarding instructions to track your usage and share your results.
   Note: the app is not necessary for device operation.
3. Connect the Mouthpiece to the Oscillator (Base). Confirm that the device feels secure and stable.
   Note: extreme force is not necessary. If you are experiencing difficulty, please flip the mouthpiece around.
4. While wearing your Orthodontics, place the VPro+ in your mouth and bite down gently. Depress the device button to activate vibration.
5. The device will vibrate for 5 minutes and automatically shut off after the duration of treatment.
6. Clean after use and charge if necessary.

About VPro+

VPro+ is the newest addition to the VPro series from Propel Orthodontics. The advanced vibration technology allows patients to accelerate their Orthodontic Treatments, Aligners or Braces.

Researched and developed with New York University, Propel VPro series are the only High Frequency Vibration devices to support both active treatments and retention in five minutes per day.

New and Improved

Like its predecessor, VPro5, the VPro+ boasts the same high-frequency vibration with upgraded features:
+ Convenient 5 minute wear time
+ Waterproof vibration device
+ Gradual ramp up to full vibration frequency at 120 Hz
+ Removable mouthpiece makes clean up a snap
+ Intuitive light notifications make for easy operation
+ Wireless charging and Compact travel case
+ Patient mobile application

VPro+ Oscillator (Base)
VPro+ Mouthpiece
Compact Charging Case
Charging Cable
Wall Adapter

Patient Mobile Application

Enhance your orthodontic experience on all levels. Enjoy the user-friendly patient application optimized to keep your treatment on track. All of the features you need. None that you don’t.
+ Track usage with daily and weekly views
+ Share results with your orthodontist
+ Locate device with the click of a button

Search “VPro+” in the Apple App store or Google Play store and download to your mobile device. Follow the on-boarding instructions within the app.

The Science behind VPro+

Application of High Frequency Vibration (120Hz, 5 min/day) increases the rate of Tooth Movement 2.3-fold to 2.5-fold

I N C R E A S E  I N  T O O T H  M O O V E M E N T  R A T E *

High Frequency Vibration has clinically demonstrated:
• Faster tooth movement
• Reduced refinements (Aligners)
• Improved predictability
• Reduced discomfort
• Reduced bone density in the presence of orthodontic force (catabolic).
• Increased bone density in the absence of orthodontic force (anabolic).

Effect of Frequency on Tooth Movement

<table>
<thead>
<tr>
<th>Frequency (Hz)</th>
<th>Tooth Movement (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>0.05</td>
</tr>
<tr>
<td>60</td>
<td>0.10</td>
</tr>
<tr>
<td>120</td>
<td>0.30</td>
</tr>
</tbody>
</table>

*Effect of vibration on Orthodontic Tooth Movement / Vibration paradox in orthodontics: Anabolic and catabolic effects. May 7, 2018. ...In comparison with OTM group, application of vibration at day 14 significantly increase the rate of tooth movement 2.4-fold (10 cN group) and 2.5-fold (25 cN group) (p<0.05). Similarly, at day 28 days vibration caused a 2.3- and 2.4-fold increase in rate of tooth movement in 10 cN and 25 cN groups respectively, in comparison to the OTM group...