

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [BONEW](#) /

› [VRN VAFU 2500MW Wireless Blue LED Light Curing Lamp User Manual](#)

BONEW VAFU 2500MW

VRN VAFU 2500MW Wireless Blue LED Light Curing Lamp User Manual

Model: VAFU 2500MW | Brand: BONEW

1. INTRODUCTION

This user manual provides comprehensive instructions for the safe and effective operation, maintenance, and troubleshooting of the VRN VAFU 2500MW Wireless Blue LED Light Curing Lamp. This device is designed for dental professionals to quickly solidify polymer-based restorative dental materials.

The VAFU 2500MW features a robust aluminum alloy body, an ergonomic design for comfortable handling, and a high-capacity rechargeable lithium battery ensuring stable light output for consistent curing results.

2. SAFETY INFORMATION

Please read all safety warnings and precautions carefully before using the device to prevent injury or damage.

- Always wear appropriate eye protection when operating the curing lamp.
- Do not look directly into the light source.
- Keep the device out of reach of children.
- Use only the original charger and battery provided with the device.
- Avoid dropping the device or subjecting it to severe impacts.
- Do not immerse the device in water or other liquids.
- Ensure proper ventilation during charging and operation.
- Dispose of batteries and electronic components according to local regulations.

3. PRODUCT COMPONENTS

The VRN VAFU 2500MW package includes the following components:



Figure 3.1: Complete Product Kit

This image displays all items included in the VRN VAFU 2500MW package, including the main body, lamp head, charging base, power adapter, various curing lenses, a light shield, and disposable isolation sleeves.



Figure 3.2: Main Unit Features

This image highlights key features of the main unit, including the 360-degree rotatable lamp head, OLED display screen, On/Off button, Mode button, and the wireless charging module at the base. It also indicates the option for LED Curing Light or Caries Detector heads and a 78mm² operating area.

- **Main Body:** The primary handheld unit containing the battery and controls.
- **Lamp Head:** The light-emitting component, which is 360-degree rotatable. Two types are optional: LED Curing Light and Caries Detector.
- **Charging Base:** A wireless charging module for convenient recharging.
- **Power Adapter:** For connecting the charging base to a power outlet.
- **Light Shield:** An orange shield to protect eyes from direct light exposure.
- **Lenses:** Includes Point Cure Lens, Proxi Cure Ball Lens, and Endo Guide Lens for various applications.
- **Disposable Isolation Sleeves:** For maintaining hygiene during use.

4. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Attaching the Lamp Head:** Gently screw the desired lamp head (LED Curing Light or Caries Detector) onto the main body until secure.

3. Initial Charging:

- Connect the power adapter to the charging base.
- Plug the power adapter into a suitable electrical outlet.
- Place the main body of the curing lamp onto the charging base. The OLED display will indicate charging status.
- Allow the device to fully charge before first use. A full charge supports over 500 10-second curing cycles.

4. **Applying Isolation Sleeve:** For hygienic operation, slide a disposable isolation sleeve over the lamp head and main body before each use.



Figure 4.1: Device on Charging Base

This image shows the VRN VAFU 2500MW curing lamp securely placed on its wireless charging base, ready for charging or storage.

5. OPERATING INSTRUCTIONS

Follow these steps for effective use of the VRN VAFU 2500MW curing lamp:

1. **Power On:** Press the On/Off button to turn on the device. The OLED display will illuminate.
2. **Select Mode:** Press the Mode button to cycle through available curing modes (e.g., P1, P2, P3, P4). The display will show the selected mode and curing time.
 - **P1 Mode:** Typically for standard curing.
 - **P2 Mode:** High-intensity curing, often used for 1-second rapid curing.
 - Other modes may offer varying intensities or pulse settings. Refer to the display for specific settings.
3. **Positioning:** Position the lamp head directly over the restorative material. The 360-degree rotatable head allows for optimal positioning in various oral cavities. Ensure the 78mm² operating area covers the target.
4. **Curing:** Press the On/Off button again to initiate the curing cycle. The blue LED light will activate. Keep the lamp steady during the entire cycle.
5. **Completion:** The device will emit an audible signal or the light will turn off automatically upon completion of the curing cycle.
6. **Power Off:** Press and hold the On/Off button to turn off the device after use.



Figure 5.1: Display and Rotation

This image illustrates the OLED display showing a 10-second P2 mode setting, and highlights the 360-degree rotatable lamp head, which allows for flexible positioning during dental procedures.



Figure 5.2: Key Operational Features

This diagram outlines several operational advantages, such as the ability to cure in 1 second, easy access to the mouth, parallel light output for uniform curing, optional caries detection functionality, and an optimized curing spot design.

6. MAINTENANCE

- **Cleaning:** After each use, remove and dispose of the isolation sleeve. Wipe the lamp head and main body with a soft cloth dampened with a mild disinfectant solution. Do not use abrasive cleaners or immerse the device in liquid.
- **Battery Care:** To prolong battery life, avoid completely draining the battery frequently. Recharge the device when the low battery indicator appears.
- **Storage:** Store the device in a cool, dry place, away from direct sunlight and extreme temperatures. Always store the device on its charging base when not in use to ensure it is ready for the next procedure.
- **Inspection:** Regularly inspect the lamp head for any damage or debris. Ensure the charging contacts on the main body and base are clean.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Device does not turn on.	Low battery or no charge.	Place the device on the charging base and ensure it is properly connected to power. Allow sufficient time to charge.
Light output is weak or inconsistent.	Low battery; dirty lamp head; incorrect mode selected.	Recharge the device. Clean the lamp head. Verify the selected curing mode on the OLED display.
Device does not charge.	Charging base not powered; poor contact between device and base.	Check power adapter connection and outlet. Ensure the device is correctly seated on the charging base. Clean charging contacts.

Problem	Possible Cause	Solution
OLED display is not working.	Device off; internal malfunction.	Press the On/Off button to turn on. If still unresponsive after charging, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model	VAFU 2500MW
Dimensions	33 x 27 x 206 mm (Main Body)
Net Weight	160 g
Power Source	Rechargeable Lithium Battery
Standard Voltage	3.7 V
Battery Capacity	2200 mAh
Lamp Head Rotation	360 degrees
Operating Area	78 mm ²
Body Material	Aluminum Alloy

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact BONEW customer service through your point of purchase or visit the official BONEW website. Please have your product model number (VAFU 2500MW) and purchase details ready when contacting support.

Manufacturer: BONEW