

AIVELA Ring Pro

User Manual

Welcome

Thank you for choosing AIVELA Ring Pro! We are committed to supporting you on your wellness journey. In this manual, you will find important information about your AIVELA Ring Pro and its charger. This guide covers technical specifications, safety instructions, and usage tips to ensure you get the best experience. Please read carefully before use.

General Usage

- **All-Day Wear:** Designed for 24/7 use, AIVELA Ring Pro can be worn during showers, saunas, baths, swimming, and snorkeling.
- **Water and Dust Resistance:** IP68 or 100 m / 328 ft.
- **Cleaning:** Avoid contact with soap, detergents, acids, acidic foods, saltwater, perfume, insect repellent, lotions, sunscreen, oils, adhesive removers, hair dye, or solvents. If exposed to liquids or dust, wipe with a soft cloth and dry thoroughly before use.
- **Charging:** Use only the AIVELA Ring Pro charger.
- **Charger Safety:** The charger is not water resistant. Use indoors only. Avoid humid environments such as bathrooms.
- **Surface Care:** The ring may scratch and can also scratch softer materials such as jewelry or metal surfaces.

Safety Information

- AIVELA Ring Pro is not a medical device and is not intended to diagnose, treat, cure, or prevent any disease. Always consult your physician for medical concerns.
- If you experience persistent pain, fatigue, or discomfort after changing your activity or sleep patterns based on ring data, stop and consult a medical professional.
- Materials are safe for skin contact. If irritation occurs, remove the ring immediately and seek medical advice if symptoms persist.
- If you cannot remove the ring in case of emergency, seek immediate medical assistance.
- Resistance to water and dust is not permanent and may decrease over time with normal use. External impacts or damage may compromise the product's water and dust resistance. Avoid exposing the device to high-velocity water, harsh chemicals, or impacts that could compromise its sealing.
- To prevent scratches on the AIVELA Ring Pro or other jewelry, and to reduce the risk of finger pinching or restricted circulation, avoid wearing the ring during exercises that involve gripping hard objects such as dumbbells, barbells, or other heavy bars. Also, do not wear other metal rings on the same or adjacent fingers.
- Do not open, cut, or puncture the ring.
- Do not expose the ring or charger to extreme heat (e.g., inside a car under direct sunlight). Do not charge the ring in such an environment.
- Avoid handling batteries, working on devices with machinery that contain batteries, or situations where there is a risk of electric shock.

- Keep away from strong magnetic fields; magnets may interfere with some functions (e.g., step counting) and could damage the device.
- AIVELA Ring Pro contains magnets and emits electromagnetic fields. These magnets and electromagnetic fields may interfere with medical devices such as cochlear implants, hearing aids, pacemakers, defibrillators, or other medical equipment. Consult your physician and the manufacturer of your medical device for specific information about your device, and to determine whether you need to maintain a safe distance between your medical device and this product.
- Keep away from children; intended for use by individuals aged 18 and above.
- If left unused for a long period, please maintain battery at 40%–60% charge and recharge to 50% every 3 months.

Product Information

- **Operating Temperature:** -10–54°C / 14–129°F
- **PPG Sensor:** low-power high-performance optical CMOS PPG chip, equipped with green and red LEDs for optical sensing; safe for the wearer and nearby people. Based on CMOS image sensor technology, it is dedicatedly designed for bio-sensing applications like Heart Rate Detection (HRD), Heart Rate Variability (HRV), pulse oximetry (SpO₂). It features low power consumption, deep FIFO buffer, support for multiple LED drivers, and ambient light suppression.
- **IMU:** 6-axis smart low-power Inertial Measurement Unit (IMU), which integrates a high-precision triaxial accelerometer and triaxial gyroscope, featuring low power consumption, fast startup, various intelligent motion-triggered interrupts and advanced power management.
- **Temperature Sensor:** digital temperature sensor with $\pm 0.1^{\circ}\text{C}$ accuracy. It features extremely low power consumption, and has a temperature measurement range from -50°C to 150°C.
- **OFN Sensor:** Optical Finger Navigation (OFN) module with 20×20 high-resolution tracking and a maximum tracking speed of 24 inch/sec
- **Data Storage:** Stores up to 4 weeks of data without syncing. Sync daily with the AIVELA App for best results.
- **Battery:** Rechargeable Li-ion battery, 15.5–24Ah depending on size.
- **Battery Life:** Up to 7 days depending on usage and settings.
- **Charging Time:** Typically 30 minutes.
- **Optimal Charging Temperature:** 18–32°C / 65–89°F.
- **Charger Type:** USB-C, compliant with IEC 62368-1.
- **Power cord type:** USB-C. Use external 5Vdc power supply that complies with IEC 62368-1 standard.
- **Connectivity:** Bluetooth Low Energy (BLE) 5.1 module, Integrated within the SoC.
- **Operating Frequency Band:** 2.4 GHz ISM band (2400 MHz – 2483.5 MHz).
- **Firmware Updates:** Automatic via AIVELA App.
- **App Availability:** App Store, Google Play.
- **App Compatibility:** Requires iOS 15.0 or higher (iPhone X or later), or Android 9.0 or higher with Bluetooth 5.0 or above

- **Security:** Encrypted Bluetooth communication.
- **Disposal:** Follow local laws for electronic waste. Special handling may be required for batteries.

Support and FAQs

If you have questions about using your AIVELA Ring Pro, AIVELA App, or our online services, please do not hesitate to contact us at support@aivela.com

You'll find Frequently Asked Questions (FAQs) in AIVELA App: My Ring > User Guide & FAQ.

Legal

Warranty Disclaimer

THE SERVICES AND THE AIVELA RING PRO PRODUCT ("PRODUCT") ARE PROVIDED TO YOU "AS IS," "WITH ALL FAULTS," AND "AS AVAILABLE" WITHOUT WARRANTY OF ANY KIND, AND AIVELA AND ITS SUBSIDIARIES, AFFILIATES, OFFICERS, DIRECTORS, EMPLOYEES, REPRESENTATIVES, AGENTS, PARTNERS, AND LICENSORS HEREBY DISCLAIM ALL WARRANTIES AND CONDITIONS WITH RESPECT TO THE PRODUCT AND SERVICES, WHETHER EXPRESS OR IMPLIED. AIVELA EXPRESSLY DISCLAIMS ANY IMPLIED WARRANTIES OF TITLE, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, SATISFACTORY QUALITY, AND NON-INFRINGEMENT.

AIVELA DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE PRODUCT OR SERVICES, THE AVAILABILITY OF ANY CONTENT, THAT THE FUNCTIONS CONTAINED IN THE PRODUCT OR SERVICES WILL MEET YOUR REQUIREMENTS, THAT THE PRODUCT OR SERVICES WILL BE FREE OF VIRUSES OR OTHER HARMFUL COMPONENTS, THAT THE OPERATION OF THE PRODUCT OR SERVICES WILL BE UNINTERRUPTED OR ERROR-FREE, THAT DEFECTS WILL BE CORRECTED, OR THAT THE PRODUCT OR SERVICES WILL FUNCTION WITH OTHER MOBILE APPLICATIONS, HARDWARE, OR WITHIN ANY PARTICULAR SYSTEM. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY AIVELA OR AN AIVELA AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES OR LIMITATIONS ON APPLICABLE STATUTORY RIGHTS OF A CONSUMER, SO THE ABOVE EXCLUSIONS MAY NOT APPLY TO YOU.

NOTWITHSTANDING THE FOREGOING, AIVELA WARRANTS TO THE ORIGINAL END USER PURCHASER THAT THE PRODUCT IS FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR TWO (2) YEARS FROM THE DATE OF PURCHASE. If your local law in effect at the time of purchase requires a warranty period longer than two (2) years, this warranty shall be extended to the extent required by such law.

Within the warranty period, AIVELA shall repair or replace, at no charge to you, any components of the Product that fail under the limited warranty provided. You shall be responsible for any related transportation charges. Replacement products may be new or refurbished at AIVELA's sole discretion.

This limited warranty does not apply to:

- (i) normal wear and tear, including but not limited to scratches, dents, or changes in appearance;

- (ii) consumable parts, such as batteries, unless product damage has occurred due to a defect in materials or workmanship;
- (iii) damage resulting from failure to use the Product in accordance with the instructions provided with the Product or available at aivela.com;
- (iv) damage resulting from accidents, floods, fires, misuse, or abuse;
- (v) damage resulting from service performed by, or tampering or alterations to the Product by, anyone not authorized by AIVELA;
- (vi) use of the Product with any other application, software, or hardware other than the AIVELA App and accessories approved by AIVELA;
- (vii) loss of water or dust resistance due to physical impact, damage, or normal aging of seals and protective elements.

AIVELA retains the exclusive right to repair or replace the Product, or offer a full refund, at its sole discretion. Such remedy shall be your sole and exclusive remedy for any breach of this limited warranty. Warranty repairs and replacements carry a new warranty which is the longer of ninety (90) days or the balance of the original warranty period.

Limitation of Liability

IN NO EVENT WILL AIVELA, ITS SUBSIDIARIES, AFFILIATES, OFFICERS, DIRECTORS, EMPLOYEES, REPRESENTATIVES, AGENTS, PARTNERS, OR LICENSORS BE LIABLE FOR DAMAGES OF ANY KIND, UNDER ANY LEGAL THEORY, ARISING OUT OF OR IN CONNECTION WITH YOUR USE OR INABILITY TO USE THE AIVELA RING PRO, THE AIVELA APP, ANY RELATED SERVICES, OR ANY CONTENT ASSOCIATED THEREWITH, INCLUDING ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES. SUCH DAMAGES INCLUDE, BUT ARE NOT LIMITED TO, PERSONAL INJURY, PAIN AND SUFFERING, EMOTIONAL DISTRESS, LOSS OF REVENUE, LOSS OF PROFITS, LOSS OF BUSINESS OR ANTICIPATED SAVINGS, LOSS OF BUSINESS OPPORTUNITY, BUSINESS INTERRUPTION, LOSS OF USE, LOSS OF GOODWILL, LOSS OF DATA, OR ANY OTHER TANGIBLE OR INTANGIBLE LOSSES, WHETHER CAUSED BY TORT (INCLUDING NEGLIGENCE), BREACH OF CONTRACT, OR OTHERWISE, EVEN IF FORESEEABLE. THESE EXCLUSIONS AND LIMITATIONS APPLY REGARDLESS OF WHETHER AIVELA HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

NOTHING IN THIS LIMITATION OF LIABILITY SECTION SHALL EXCLUDE OR LIMIT ANY LIABILITY THAT CANNOT BE EXCLUDED OR LIMITED UNDER APPLICABLE LAW. TO THE EXTENT THAT ANY LIABILITY CANNOT BE EXCLUDED OR LIMITED AS SET FORTH ABOVE, IN NO EVENT SHALL AIVELA'S TOTAL LIABILITY FOR ALL CLAIMS, WHETHER IN CONTRACT, TORT, OR UNDER ANY OTHER THEORY OF LIABILITY, EXCEED THE AMOUNT OF ONE HUNDRED U.S. DOLLARS (US \$100).

Terms of Use

Your use of the AIVELA Products and Services is subject to our Terms of Use, available at aivela.com/pages/terms-and-conditions-of-use, and Privacy Policy, available at aivela.com/pages/privacy-policy.

The Warranty Disclaimer and the Limitation of Liability set forth above are from our Warranty and Return Policy and part of our Terms of Use. They are subject to change if we change the

Warranty and Return Policy.

Intellectual property rights

AIVELA is a trademark of AI Plus Appliances Inc. AIVELA Content, AIVELA Products, AIVELA Features and Services, and the underlying technology are protected by copyright, trademark, patent, and other laws of the United States and foreign countries. All rights reserved.

Manufacturer Information

Manufactured for AI Plus Appliances Inc., 18 Goodyear Ste 110, Irvine CA, USA 92618.
Made in China.

Regulatory

EU



Product information

Ring

Product type: Smart ring

Model name: RP1

Brand: AIVELA

RF Interface

Frequency range 2402-2482MHz

Max output power 2.0mW

This product complies with: Directive 2014/53/EU (RED) and Directive 2011/65/EU (RoHS), with the following standards and technical specifications applied:

Article 3.1(a): Electrical safety	EN 62368-1:2020
Article 3.1(a): EMF exposure	EN 62479:2010
Article 3.1(b): EMC	EN 301 489-1 V2.2.3 EN 301-489-3 V2.3.2 EN 301 489-17 V3.2.4 EN 55011:2016 + A11:2020 + A2:2021 EN 61000-6-1:2019 EN 61000-6-3:2021
Article 3.2: Radio spectrum use	EN 300 328 V2.2.2 EN 303 417 V1.1.1

This product complies with Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE). Please dispose of used electrical and electronic equipment in accordance

with national laws and regulations governing electrical waste. This product must not be disposed of with general household waste. Instead, it should be taken to designated collection points for proper recycling and recovery.



USA



FCC Compliance Statement

FCC ID: 2BSR9-RP1

This device complies with Part 15 and Part 18 of the FCC Rules. Operation is subject to the following two conditions: i) this device may not cause harmful interference, and ii) this device must accept any interference received, including interference that may cause undesired operation.

Class B Digital Device Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 and Part 18 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.

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.

Unauthorized Modifications Warning

AI Plus Appliances Inc. has not approved any changes or modifications to these devices by the user. Any changes or modifications could void the user's authority to operate the equipment.

RF Exposure Safety

This product is a radio transmitter and receiver. It is designed not to exceed the FCC limits for

exposure to radio frequency (RF) energy. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Canada

IC

Innovation, Science and Economic Development Canada (ISED) Regulatory Information English

This device (CAN ICES-3 (B)/NMB-3 (B); IC: **34710-RP1**) complies with Innovation, Science and Economic Development Canada's license-exempt RSS standard(s).

Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure Safety

This product is a radio transmitter and receiver. It is designed not to exceed the emission limits for exposure to radio frequency (RF) energy set by ISED.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

EMC Compliance

CAN ICES-3 (B)/NMB-3 (B)

This Class B digital apparatus complies with Canadian ICES-003.

Français

Avis de conformité à la réglementation d'Innovation, Sciences et Développement économique Canada (ISDE)

Le présent appareil (CAN ICES-3 (B)/NMB-3 (B); IC: **34710-RP1**) est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage ;
2. L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Sécurité d'exposition RF

Ce produit est un émetteur et un récepteur radio. Il est conçu pour ne pas dépasser les limites d'émission pour l'exposition à l'énergie radiofréquence (RF) établies par l'ISDE.

L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec une autre antenne ou un autre émetteur.

Conformité CEM

CAN ICES-3 (B)/NMB-3 (B)

Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.

Since the product is very small, the IC number, FCC ID and the 15.19 warning are placed on the label at the bottom of the packaging box.