eternaloop

Digital Smart Ring
powered by
nexring

Eternaloop by NexRing ECG function -- The revolutionary smart ring

Stay on Top of Your Health.
ECG on your finger, Know your heart's rhythm, anytime, anywhere.

FEATURE SPOTLIGHT

Heart Health
The app notifies you when an irregular heartbeat—potentially atrial fibrillation (AFib)—is detected.
The ECG function allows you to check your heart rhythm for AFib and view your heart rate.

Research-Grade Sensors
Monitor your sleep, activity, recovery, temperature, heart rate, stress, and more with high-precision, research-grade sensors.

Easy to wear
A comfortable and timeless ring design. IP68 water-resistant and ultra-light — perfect for every occasion, from work to workouts to nights out.

Accurate by design
Your finger provides the most accurate reading for over 20 biometrics like heart rate, body temperature, blood oxygen, and more.

Ultra-high Accuracy
99% accuracy in heart rate measurement and 98% accuracy in HRV (Heart Rate Variability) measurement.

Long Battery Life
Enjoy 5–7 days of battery life with a full charge in just 30 to 90 minutes.

Readiness
Readiness gives you a holistic view of your health by analyzing your recent activity, sleep patterns, and key biometric signals.

Decipher your Sleep
Eternaloop by Eternaloop by NexRing is like having a sleep lab on your finger. Wake up to detailed analysis of your sleep patterns, metrics like overnight SpO_2, and personalized tips to help you feel more energized every day.

Illness Detection
Eternaloop by Eternaloop by NexRing monitors changes in your temperature and heart rate, helping you detect early signs of illness before symptoms fully appear.

Stress
Eternaloop by NexRing 's Stress feature detects and tracks stressful moments to help you identify your unique triggers and recovery strategies—so you can bounce back faster.

Workout Heart Rate and Insights
Track your heart rate during workouts and receive post-workout insights, including key HR stats, distance, and heart rate recovery.

TECH SPECIFICATIONS

ALL FEATURES

• **Sleep Stages**
- Discover if you're getting enough deep sleep, REM sleep, and light sleep.

• **Bedtime Guidance**
- Eternaloop by NexRing reminds you when to start winding down so you can improve your sleep quality.

• **Sleep and Readiness Scores**
- Understand your body in a completely new way through two simple scores based off your body's personal baselines.

• **ECG / EKG**
- Single lead
- Results You can see
  Sinus Rhythm / Atrial Fibrillation (AFib) / Low or High Heart Rate / Inconclusive / Poor Recording

• **Heart Health**
- 24/7 Heart Rate Monitoring
  See how your heart rate changes, day and night. Learn how your body responds to daily habits, meals, stress, and environment.
- Heart Rate Variability
  Eternaloop by NexRing tracks your HRV to tell you if you're stressed, sick, or need to take a break to give your body the rest it needs.

• **Blood Oxygen (SpO2) sensing**
- By detecting your blood oxygen levels at night, Eternaloop by NexRing can tell if you're experiencing any breathing disturbances.

• **Finger skin temperature fluctuation**
- Eternaloop by NexRing will learn your temperature baseline during sleep and calculate the daily temperature fluctuation value from the baseline.

• **Activity Goals**
- Three circles representing different activities, providing personalized activity goals and baseline goal numbers.

• **Workout**
- Walking, Indoor Running, Outdoor Running
- Indoor cycling, outdoor cycling, mountain biking
- Swimming

• **Daytime Stress**
- Learn more about your own stress patterns based on changes in your temperature, heart rate variability, and sleep.

• **Mindfulness**
- Set aside a few minutes each day to focus, center, and connect with your breath. Sufficient relaxation can improve your sleep.

• **Integrations**
- Sync health and workout data instantly from Apple Health Kit and Google Health Connect to give you a bigger picture of your well-being.

CONNECTIVITY

• **Bluetooth Low-Energy (Bluetooth 5.1)**
• **Automatic firmware updates via Eternaloop by NexRing App**
• **Eternaloop by NexRing App operating system requirements**
- Android 6.0 or Higher
- iOS 13.0 or Higher

• **SDK available for core partner**
- iOS ObjC / Swift SDK
- Android Java SDK
- JavaScript SDK
- React Native SDK
- Flutter SDK

SENSORS

• Green LED (optical heart rate sensor)
• Red LED (blood oxygen sensor)
• ECG & PPG sensor
• Skin temperature sensors
• Photodiode
• 3D Accelerometer

MATERIALS

• Durable Titanium
• PVD Coating
• Non-Allergenic, Non-Metallic, Seamless Inner Molding
• Water resistant up to 50m (more than 164 ft.)

BATTERY AND POWER

• 5 to 7 days of battery life
• Full Charge in 30 to 90 minutes
• NFC Wireless charging

WEIGHT AND DIMENSIONS

• Width: 7.9mm
• Thickness: 2.8mm - Size of a Wedding Band
• 6, 7, 8, 9, 10, 11, 12, 13 total 8 Ring Size
• Weight: 5 to 7 grams (depending on ring size)
• Color: Silver-Gold mix

STORAGE AND TRANSPORT CONDITION

• Storage Temperature: -25~70°C / -13~158°F
• Working Temperature: -10~55°C / 14~131°F
• Charging Temperature: 0~45°C / 32~113°F (Room temperature recommend)
• ECG working temperature: 0~35°C / 32~95°F
• Relative Humidity: 5~93%, noncondensing
• Atmospheric Pressure: 50~106 kPa

PACKAGE INCLUDES

• Linktop Eternaloop by NexRing ECG
• Wireless Charging Dock
• USB Power Cable
• Quick Guide
• Important Information

WARRANTY

• 1-year limited hardware

LEARN MORE

For more information on Eternaloop by NexRing

Bluetooth