mobvoi

Product Brochure

@ MobvoiTicWatch

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To define the next generation of human-machine interaction through AI technology

About Mobvoi

600+ Employees

15+ Products **50+** SKUs

TOP 4 Global sales volume in smartwatch segment

Penetrated into **30+** countries and regions, mainly focused on developed countries

TicWatch smartwatch line: Bestseller on AMAZON UK, AMAZON JP, AMAZON US

600+ Patents

$255M raised over 6 rounds of funding

Investors:

Mobvoi x Google™

Oct 2015 - Completed Series C round of funding backed by Google shortly after partnering with Google to provide Chinese voice search technology to Wear OS by Google™ in China.

Mobvoi x Volkswagen™

Apr 2017 - Completed a US$180M Series D round of funding backed by Volkswagen Group China with the aim of applying Mobvoi's AI technologies into the automotive industry.

SEQUOIA ZhenFund 真格基金 SIG SUSQUEHANNA INTERNATIONAL GROUP, LLP

Google Goertek Volkswagen

Smartwatch Series

TicWatch Pro 3	Go beyond limits.
TicWatch Pro 4G/LTE	Simply boosted.
TicWatch Pro	Double the possibilities.
TicWatch Pro 2020	Double the possibilities with 1GB RAM.
TicWatch S2	Go out. Explore. Stay connected.
TicWatch E2	Designed to move you.
TicWatch C2	Where form meets function.
TicWatch C2+	Where form meets function.
TicWatch GTH	A health partner on your wrist.
TicWatch GTX	Essentials. Simplicity. Value.

Earphones Series

Mobvoi Earbuds Gesture	Free your hands. Enjoy outdoor adventures.
Mobvoi Headphones ANC	Surround yourself.
Mobvoi Earbuds ANC	Be fearless. Go noiseless.
TicPods 2 Pro+	Free your hands to seize outdoor dreams.
TicPods Free	Your audio in control.

Mobvoi Home Series

Mobvoi Home Treadmill	Your safe home gym.

Core Technology

State of the Art AI Technologies

TicHear (DSP)

Wake word trigger

TicReco (ASR)

Natural language understanding

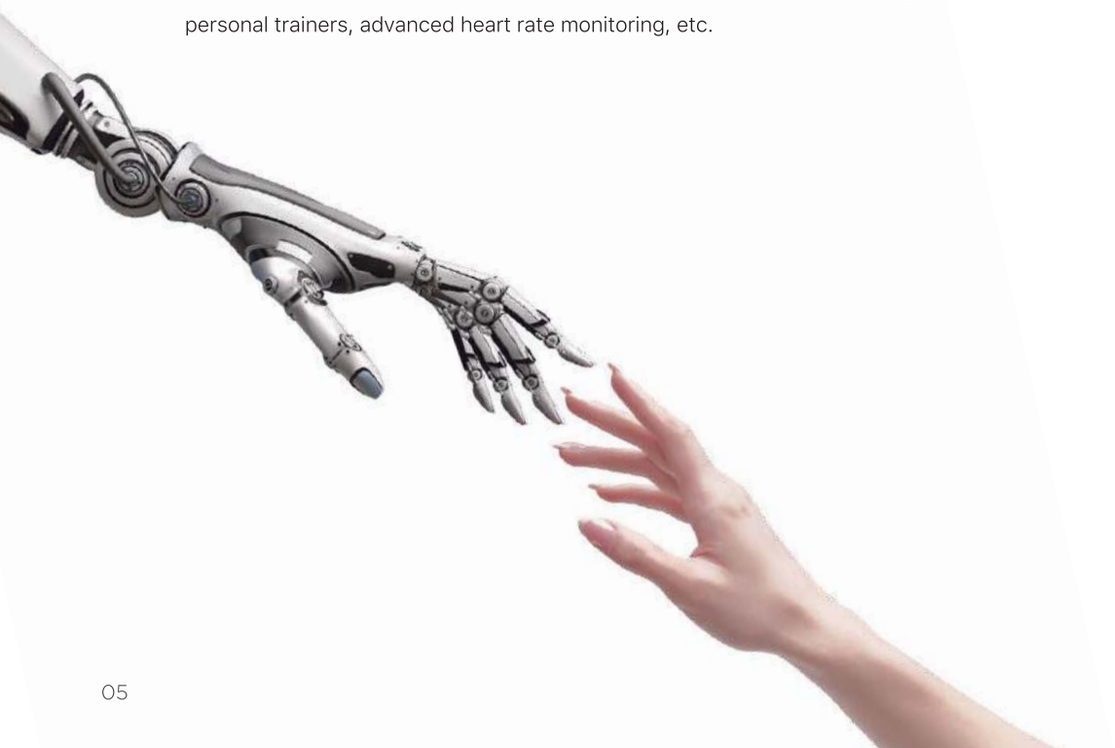
TicTalk (TTS)

Dialogue management

Software – Hardware Integration

Integrated in-house signal processing algorithms: Low-powered wake word triggers and embedded speech technologies.

Integrated in-house fitness & health algorithms: Proactive activity recognition and motion tracking, sleep analysis, swim monitoring, posture detection, gesture recognition, personal trainers, advanced heart rate monitoring, etc.



Business Overview

TicWatch

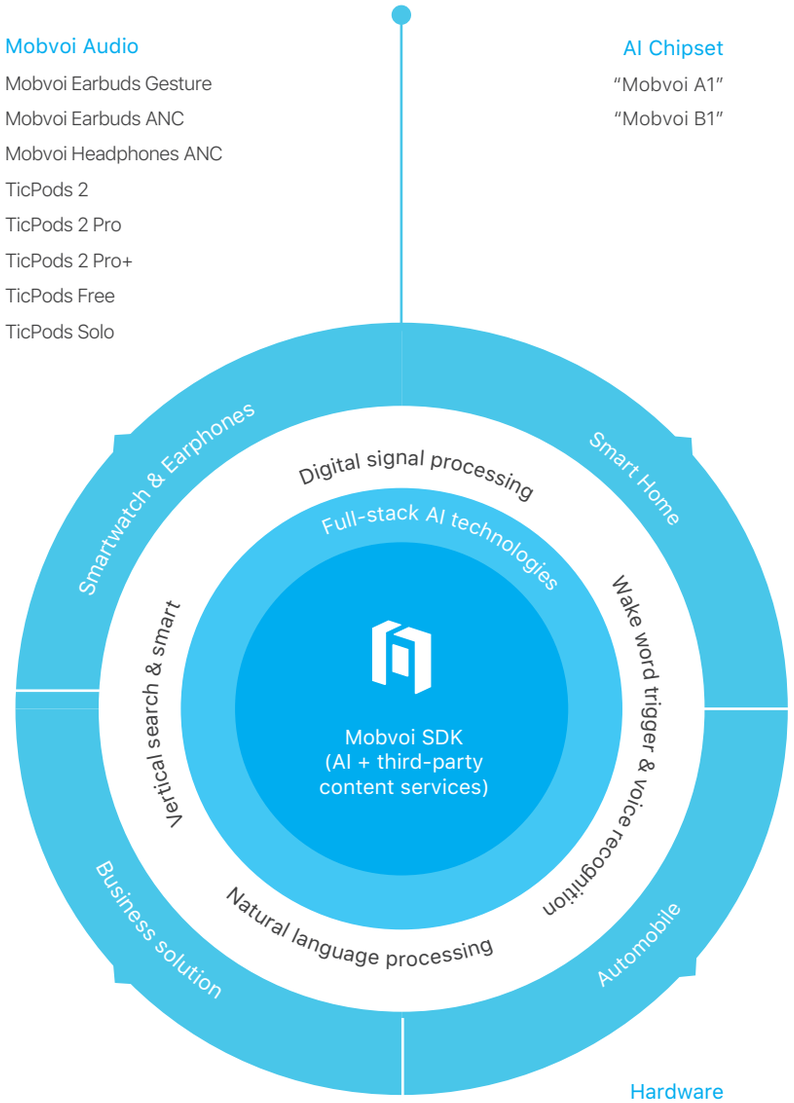
TicWatch S
TicWatch E
TicWatch S2
TicWatch E2
TicWatch C2
TicWatch C2+
TicWatch Pro
TicWatch Pro 2020
TicWatch Pro 4G/LTE
TicWatch Pro 3
TicWatch GTX
TicWatch GTH

Mobvoi Audio

Mobvoi Earbuds Gesture
Mobvoi Earbuds ANC
Mobvoi Headphones ANC
TicPods 2
TicPods 2 Pro
TicPods 2 Pro+
TicPods Free
TicPods Solo

AI Chipset

“Mobvoi A1”
“Mobvoi B1”



Mobvoi Home

Mobvoi Home
Treadmill

Business Solution

“Wen Zhen”
Intelligent Anti-Fraud Solution

“Wen Yan ”
Intelligent Customer Service Solution

“PushTracker E2”
Manual Wheelchairs / SmartDrive

"Diabetes Monitoring with TicWatch"
Pair your TicWatch with a CGM device and app

Hardware

TicMirror

Electric SOL

Pre-installed voice Interaction

TicWatch Pro 3 GPS

Go Beyond Limits.

The first Wear OS by Google™ smartwatch to use the Qualcomm® Snapdragon Wear™ 4100 Platform.

Wear OS by Google

72 Hours
of battery life
in Smart Mode

1.4" Retina
AMOLED Display

454*454
high resolution

45 Days
of battery life
in Essential Mode

4100
Qualcomm® Snapdragon
Wear™ Platform

IP68
and pool-swimming suitable

30%
Lighter*

40% larger
Battery capacity*

1GB RAM

8GB ROM

- Dual Display 2.0
- Faster and Smoother Performance
- TicOxygen - Blood oxygen saturation detection
- TicZen - Stress monitoring
- TicBreathe - Reduce stress through breathing
- TicHearing - Detects environmental noise and protects your hearing organs
- TicPulse - Accurate heart rate monitoring
- TicSleep - Sleep tracking
- TicMotion - Proactive motion tracking and exercise identification
- TicExercise - 13 exercise modes
- Accurate built-in altimeter & GPS

2 Modes with Dual Display 2.0

Essential Mode

Low-power consuming screen. Refresh per second with backlight. Up to 45 days of battery life.

Smart Mode

1.4" Brilliant Retina AMOLED screen with 454*454 high resolution. Automatic brightness adjustment. Up to 72 hours of battery lfie.

* Compared with the TicWatch product launched in 2018.

TicWatch Pro 4G/LTE

Simply boosted.

Your phone-free active smartwatch with unbeatable battery life.

Wear OS by Google

45.1mm
Diameter

1.39”
OLED Screen

810G
Military Standard durability

47.4g
Weight

- Cellular connectivity
- 2 days of battery life in Smart Mode
- Premium design. Light & thinner
- IP68 + pool swimming suitable
- NFC payments
- Built-in water resistant speaker

Connected by

verizon vodafone dtac O2 AIS Taiwan Mobile T STAR 台灣之星

Some carriers are limited to specific countries, please contact us for more details.

Fast, uninterrupted connectivity.

Make standalone calls and send SMS texts with number sharing. Experience fast and smooth data, phone-free cloud sync notifications, an SOS feature with 911 auto-dial and location sharing* all on your smartwatch. Now with double the RAM for faster performance than ever.

*The SOS function can only be used on watches that enable e-sim card communication.
The operational range is limited to the coverage of the carrier plan and does not support roaming services.

TicWatch Pro 2020

Two displays. Double the possibilities.

Now with 1GB RAM, military standard durability and Corning® Gorilla® Glass 3

Wear OS by Google

IF Design Award

International Design Excellence Award

45mm
Diameter

1.39”
OLED Screen

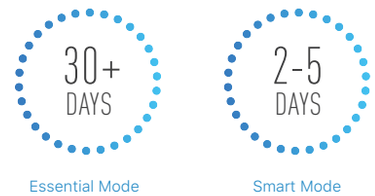
IP68
Water & dust resistant

58g
Weight

- 1GB RAM
- Premium design
- Dual-layered display technology
- 2 days of battery life in Smart Mode[1]
- NFC payments
- Google Assistant built in

Performance and endurance.

TicWatch Pro’s Layered Display technology enhances battery life to 2-30 days on a single charge. Two screens, two modes, and the control to take full advantage of each. Battery life or performance? Don’t compromise. Have your cake and eat it too.



Essential Mode

Smart Mode

Technology for life.

TicWatch Pro comes with GPS built-in, a heart-rate monitor, and all the sensors you need to stay on top of your health and fitness. NFC payment onboard lets you pay from your wrist with Google Pay™. Just point, pay and go.

1. Up to 2 days of battery life entirely in Smart Mode. Up to 5 days of battery life when Essential Mode auto-switch is turned on. Up to 30 days of battery life entirely in Essential Mode.

TicWatch S2

Go out. Explore. Stay connected.

Best smartwatch for your outdoor activities.

Wear OS by Google

Reddot Design Award

47mm
Diameter

1.39”
OLED Screen

5 ATM
Swim-friendly

55g
Weight

- Military Standard 810G durability
- Up to 2 days of battery[1]
- TicMotion: Proactive activity tracking
- Waterproof 5 ATM
- Built-in GPS
- 24hr heart rate monitor

Designed for your outdoor lifestyle

Powerful built-in navigation system will keep you connected in remote areas and high altitudes, as a MIL-STD-810G certification and a waterproof rating of 5 ATM means your watch can withstand extreme temperatures and conditions. Whether you’re hiking frosty peaks, biking in arid heat, or skydiving, your watch will track your progress while remaining connected, easy to operate, and intact.

Your self-activating fitness assistant.

TicWatch S2 is powered by TicMotion, Mobvoi’s suite of proprietary AI algorithms to proactively detect your motion, track your running and swimming activities, and provide your fitness records, all click-free.

1. Results may vary depending on usage.

TicWatch E2

Designed to move you.

The ultimate fitness and swimming companion.

Wear OS by Google

Reddot Design Award

47mm
Diameter

1.39”
OLED Screen

5 ATM
Swim-friendly

55g
Weight

- Lightweight & comfortable
- TicMotion: Proactive activity tracking
- Swim style detection
- Waterproof 5 ATM
- Up to 2 days of battery [1]
- 24hr heart rate monitor

Swim in the know.

TicWatch E2 is swim friendly and comes equipped with a pre-loaded swim monitoring mode to keep track of how your swims benefitted your health and fitness. Fish are jealous.

Your self-activating fitness assistant.

TicWatch E2 is powered by TicMotion, Mobvoi’s suite of proprietary AI algorithms to proactively detect your motion, track your running and swimming activities, and provide your fitness records, all click-free.

1. Results may vary depending on usage.

TicWatch C2+

Where form meets function.

Upgraded - now with 1GB RAM, New watch faces and an extra free strap.

Wear OS by Google

Reddot Design Award

IF Design Award

43mm
Diameter

1.3”
OLED Screen

IP68
Water resistance

49g
Weight [1]

- 1GB RAM
- Extra FREE silicone strap
- New watch faces
- Classic design, stainless steel case
- Up to 2 days of battery [2]
- TicMotion: Proactive activity tracking
- NFC payments
- IP68 water and dust resistant
- Google assistant built-in

You all-day assistant, all on your wrist.

Your wallet and your phone can stay in your pocket as you power through your day with up to 1.5 days of battery life, Google Assistant, contactless payments, built-in GPS, and an IP68 water and dust resistance rating.

Your self-activating fitness assistant.

TicWatch C2+ is powered by TicMotion, Mobvoi’s suite of proprietary AI algorithms to proactively detect your motion and provide your fitness records, all click-free.

1. Based on Rose Gold version’s weight.
2. Results may vary depending on usage.

TicWatch GTH

A health partner on your wrist.

24/7
Skin Temperature Monitoring[1]

5 ATM
Water-resistance Rating

1.55"
High-resolution Color Display

7 - 10
Days Battery Life[2]

- Blood Oxygen (SpO2) Levels Measurement
- 24hr Heart Rate Monitoring
- Respiration Rate Monitoring
- TicMotion - Proactive workout detection
- Sleep Tracking at Night
- Stress Management
- Custom Watch Faces

This way to better health.

The TicWatch GTH is a health expert on your wrist, with powerful sensors to help you reach optimal health. These sensors continuously monitor your skin temperature, blood oxygen (SpO2) levels, heart rate, respiration rate, and even your sleep quality.

Inspire you to get moving.

Launch your workout session by choosing one of 14 workout modes right on your wrist. Get your body moving on your time. Powered by TicMotion™ proactive workout detection[3], TicWatch GTH automatically detects when you start working out and reminds you to start recording the activity.

1.The skin temperature feature is not intended to diagnose or treat any medical condition or for any other medical purpose. It is intended to provide information that helps you manage your health. Significant changes in ambient temperature may affect the accuracy of the measurement.
2.Battery life varies with use and other factors.
3.TicMotion can proactively detect an indoor or outdoor activity for walking, running, and cycling.

TicWatch GTX

Essentials. Simplicity. Value.

7-10
Days Battery Life

IP68
Water and Sweat Proof

14
Workout Modes

24/7
Heart Rate Tracking

- Personalized Watch Faces
- TicSleep - Sleep Tracking
- TicHealth - Fitness & Health Tracking
- TicExercise - 14 Workout Modes
- TicPulse - 24/7 Heart Rate Tracking
- Notifications and other functions
- Metal Frame and TPU Watch Band

7-10 Days Battery Life

Up to 7 days of battery life with regular use. Up to 10 days of battery life with Power Saving Mode on.

14 Workout Modes

TicExercise App offers 14 workout modes. Track your fitness and workout data, record every time you challenge yourself! Outdoor Run, Outdoor Cycling, Rope Skipping, Swimming, Indoor Walking, Rowing, Free Style, Mountain Climbing, Indoor Run, Gymnastics, Soccer, Basketball, Indoor Cycling, and Yoga.

TicPods 2 Pro+

Free your hands to seize outdoor dreams.

The most interactive wireless earbuds for outdoor sports.

Good Design Award

Reddot Design Award

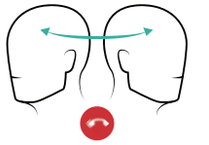
International Design Excellence Award

- TicHear™ Quick-Commands
- Pocket-sized Portability
- In-ear Detection
- 23 Hour Battery Life

- TicMotion™ Head Gesture Controls
- Dual-mic Noise Cancellation
- Volume Slider
- Touch Controls
- Qualcomm® aptX™ Audio
- Independent Connection
- Fast Charging and Quick Pairing
- TicHear™ Wake-up word

Head gesture controls

Nod head twice to pick up call



Shake head twice to refuse call

Touch controls

Slide up and down

Adjust volume.

Long press

- Activate smart assistant
- Refuse call

Double tap

- Skip songs
- Pick up
- Hang up

Mobvoi Earbuds ANC

Be Fearless. Go Noiseless.

Hifi audio with active noise cancellation.

3 Modes
Quiet/Sound-Passthrough/ANC-Off

13mm
HiFi Sound with 13mm speaker

35dB
Eliminate up to 35dB of noise

5.0
Bluetooth 5.0 Steady Connection

- Active Noise Cancellation
- Sound-Passthrough Mode
- Independent Connection
- High Fidelity Sound
- Supports Siri & Google Assistant
- Touch Control
- IPX5 Sweat and Water Resistant

Active Noise Cancellation

With high-sensitivity MEMS mic, Mobvoi Earbuds ANC is detecting environmental noise, active noise cancellation algorithms analyze the ambient noise and use this information to create a sound wave that will counteract it.

Fear Not Losing One Earbud

You can easily buy the exact same left or right earbud from Mobvoi, and even a new charging case! Feel free to move, run, dance and jump, without the fear of losing one and having to replace the entire set.

Mobvoi Headphones ANC

Surround Yourself.

Wireless headphones with active noise cancellation.

5
Built-in Mics

40mm
Drivers diameter

5.0
Bluetooth 5.0
steady connection

30 Hours
playtime

- Active Noise Cancellation
- Superior Sound Quality
- Qualcomm® QCC3031 Chipset
- Qualcomm® aptX™ HD Audio and AAC Audio Codecs
- cVc™ Noise Cancellation Technology
- 15m Bluetooth Transmission Distance
- Soft & Premium Materials

Active Noise Cancellation

Mobvoi Headphones ANC can significantly cancel environmental noise. With 5 built-in microphones, it's perfect for flights, commuting, loud environments, and anywhere in between.

Superior Sound Quality

By using Qualcomm's QCC3031 chipset, Qualcomm® aptX™ HD Audio and AAC audio codecs, Mobvoi Headphones ANC give you deep, powerful, and immersive sound at any volume, making your overall listening experience just that much better.

Mobvoi Earbuds Gesture

Free Your Hands. Enjoy Outdoor Adventures.

Outdoor sports wireless earbuds with AI freatures

IF Design Award

Good Design Award

International Design Excellence Award

Reddot Design Award

50hours
Battery life

5.0
Bluetooth

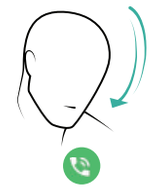
4 Awards
Product design awards

IPX5
Water and Sweatproof

- TicMotion™: Head-gesture Controls
- Multi-touch Controls
- Dual-mic Noise Cancellation
- Independent Connection
- Ergonomic design
- Mobvoi App Support

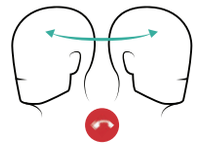
TicMotion™: Head-gesture Controls

Nod head twice to pick up a call, shake head twice to reject a call. Hands-free and perfectly intuitive



Multi-touch Controls

Pick up/hang up/reject calls, play/pause/next/previous track. Activate smartphone’s default voice assistant

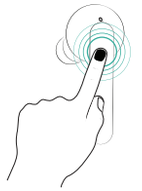


Dual-mic Noise Cancellation

Crystal clear calls. Communicate with anyone, anytime, anywhere

Independent Connection

Both earbuds can be used independently with seamless switching



Mobvoi Home Treadmill

Your Safe Home Gym

5 Layers
of running belt

2 Displays
LED & touch screen

2.25 HP
Quiet Motor

2 Modes
Walking and running modes

- Transport Wheel
- Phone Holder
- Remote Controller
- Bluetooth Speaker
- Safety Key
- Foldable Design
- High-quality and Durable Running Belt

Put the safety key on your top or pants as a protection. The treadmill will stop immediately when the safety key falls off. The powerful 2.25HP quiet motor gives you a quiet environment while saving energy. It efficiently reduces shock and is totally installation-free.

High-quality, durable running belt with 5 layers

- Water-resistant surface
- Sound-insulation layer
- High-strength support layer
- Shock-absorbing layer
- Compression layer

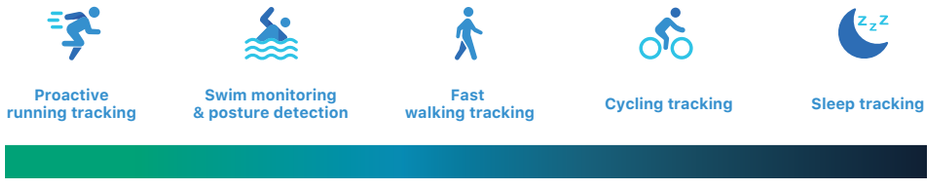
Mobvoi AI Technology

TicMotion

TicMotion is an invisible technology that proactively tracks your activities without needing to activate anything - it goes beyond just counting steps or calculating calories. Powered by Mobvoi's innovative AI algorithms, it maximizes your smart wearable's capabilities and seamlessly integrates with your life.

Fully automated activity recognition.

TicMotion AI algorithms automatically monitor your daily activities 24 hours a day, whether you're running, fast walking, cycling or sleeping (coming soon) without opening any apps[1]. It also generates behavior analysis corresponding to each activity.



Swim monitoring and analysis.

State-of-the-art machine learning algorithms differentiate your stroke type and count your laps and strokes seamlessly while you are swimming. All your key performance metrics such as lap time, speed, Swim Golf (SWOLF) will be recorded and generated right after you finish your swim.

1. TicMotion function will require the installation of the latest version of TicExercise watch app. More types of sports activities will be supported via future software upgrades.

TicPulse

Mobvoi's TicPulse technology is designed to keep you informed about your heart health with advanced and precise heart rate monitoring and tracking.

24hr heart rate monitoring:

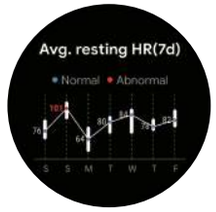
Improved heart rate monitoring with higher precision. Automatically begins measuring upon tapping into the TicPulse app.

Daily comprehensive line chart:

A color coded overview of daily maximum, minimum, and resting heart rate, displayed alongside steps count for a more comprehensive analysis.

Daily heart rate zones:

Displays daily overview of heart rate zones at different rate intervals, personalized according to age.



7-day heart rate history:

View up to a seven-day history of your heart rate including maximum, minimum and resting heart rate stages in a visual graph.

Abnormal heart rate warning:

Receive an alert for extreme heart rates. Alerts when maximum or minimum heart rate is exceeded while resting, and when maximum is exceeded when exercising[1].

1. Users can set maximum and minimum values. Maximum heart rate when exercising is based on age and can be manually changed. Resting heart rate is set by default and can be manually changed. Please update to the latest version of theTicPulse app.