



VITAL-*e* HEALTH

Link+ Powered by LiveCare

Wellue EKG Monitor User Guide

Quick Guide

DuoEK Hand-held & Wearable EKG Tracker

Contact us: service@viatomtech.com

Website: www.welluehealth.com

Download App ViHealth

Download the latest version of App: **ViHealth**

iOS: App Store

Android: Google Play

Disclaimer

It's not a medical device and should not be used for any medical purpose or any medical condition. This product is intended only for general wellness use.

Warnings

- This product is not suitable for people wearing a pacemaker.
- Do not drop the product or submerge it in water or other liquids.
- Do not use the product in a combustible environment.
- Do not store the product in the following locations: locations in which the device is exposed to direct sunlight, high temperatures or levels of moisture, or heavy contamination; locations near to sources of water or fire; or locations that are subject to strong electromagnetic influences.

Unpacking

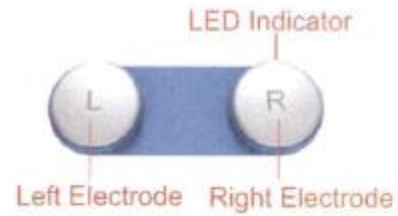
Main Unit; Chest strap; Charging Base; Quick Guide;

USB Cable



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Overview



LED Indicator

OFF	Device hasn't been activated or battery has run out
Green On	Working
Green Blink Slow	Standby
Orange On	Charging
Orange Blink	Low Battery
Blue On	Connected via Bluetooth
Blink Fast	Device is busy

Buzzer Beep

Short Beep	Heartbeat detected
Beep	Start to work
Long Beep	Data saving completed



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Before the initial use

Activate the device before the first use by **charging** the device.

Note: Device will not work without activation.

Charging

- 1) Put the device on the charging base; **the Right Electrode should touch the Right Base.** (Do not put in opposite direction)
- 2) With the USB charging cable, connect to the USB port of personal computer (PC) or standard USB charging adapter.



The LED is orange during charging.

Standby

When it's not working, it will go standby automatically.

App Bluetooth Connection

To establish a Bluetooth connection,

- 1) Charge the device first **if battery has run out.**
- 2) Make sure the phone Bluetooth is enabled. (**DO NOT** pair in the settings of your phone)
- 3) Run the App **ViHealth**. It will connect device automatically.
For initial use, add a new device in App.
- 4) In App **History**, data will sync from device automatically. In **Dashboard**, you can watch battery level and real-time EKG.




Two ways of measurement

Hand-held or wearing



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Hand-held measurement

Chest Lead	Put and keep the device on chest as shown; Right Electrode touches the right chest; Left Electrode touches the left chest (Usually bigger signal)	
Lead I	Right hand rests on the Right Electrode; Left hand rests on the Left Electrode (Small signal for some population)	
Lead II	Right hand touches the Right Electrode; The Left Electrode touches the left leg (Usually bigger signal)	

- 1) Open App to connect device, enter **Dashboard**.
- 2) Moisten the skin (the area of touching electrodes).
- 3) Take EKG as Chest Lead, Lead I or Lead II as shown in the above table.
(Inverse direction may cause incorrect analysis)
- 4) You can observe the real-time EKG waveform in App **Dashboard**. (If your EKG signal is too small, you can try another method)
- 5) After at least 30 seconds, take your hands off the device,



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the measurement will be over. Data is saved in device.

- 6) Go to App **History** (wait for a few seconds) to sync data.

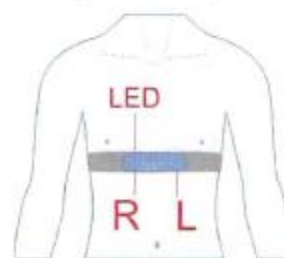
Note:

- *Keep relax and still during measurement.*
- *Remove hairs if they hamper the contact with electrodes.*
- *For emergency condition, you can measure without opening App. It's required to measure at least 30 seconds (timing from the first heartbeat short Beep), otherwise no data will be saved.*

Wearing measurement



- 1) Attach the device to the chest strap on the Velcro area.
- 2) Open App to connect device, enter **Dashboard**.
- 3) Moisten the skin (the area of touching electrodes).



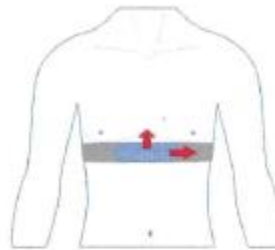
- 4) Wear the strap (with device) as shown, with electrodes directly contact with the chest (above the stomach).The



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Right Electrode should touch skin of the right chest. (The LED indicator should face up. Inverse direction may cause incorrect analysis)

- 5) Adjust the length of the strap, make the strap **snug enough** to stay in place during movement.
- 6) You can observe the real-time EKG waveform in App **Dashboard**. (If the EKG signal is too small, try to move the strap with device up or/and left a little. You can check if you signal become clearer in Dashboard.)
- 7) After at least 30 seconds, take off the strap, the measurement will end. If keep wearing, after 15 minutes, it will end automatically. Data is saved in device.
- 8) Go to App **History** (wait for a few seconds) to sync data.



Note:

- *Remove hairs if they hamper the contact with electrodes.*
- *Keep the strap and device clean.*
- *For emergency condition, you can measure without opening App. It's required to measure more than 30 seconds (timing from the first heartbeat short Beep), otherwise no data will be saved.*

Review the history data

In App **History**, you can review the history data list.



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Tap an item, you can check the detailed report. If the EKG length is more than 1 minute, you can select any section by tapping the number icon on the top of the page. You can change the scale by tapping the EKG waveform.

Slid an item to left, you can delete it.

View or Share PDF Report

In the detailed report page, you can view or share (mail) the report as PDF file with the **PDF icon**.

Note:

- *If you mail to yourself, you can also view and print the PDF on PC.*
- *For Andriod, you may need to download "Adobe Acrobat Reader" on Google Play.*



Understand the Results

Regular heart beat	the recorded EKG is in a common regular pattern.
Irregular heart beat	the recorded EKG is in an erratic pattern. It may be caused by overload of heart or other conditions. If you have measured with inverse direction, please try again with correct direction.
Poor signal	Moisten skin; try other method (Lead II, chest lead or Lead I); Try to keep still during test.