New Account

1.step   **2.step**   3.step

John Doe

➕ More

More data about you enables us to provide for you more detailed information about your state of health.
You can add these data later, as well.

Fill in form with Facebook

Fill in form with Google+

Terms and Conditions

✔ Accept

Discovering WIWE device, Bluetooth pairing

In the second step, you can pair a WIWE device with your account. The device will communicate with your phone via Bluetooth protocol. For this step, Bluetooth connection is needed (this can also be switched on in the application) and the WIWE device must be turned on. You can skip this step in the Wizard (by clicking the Continue button in the top right corner) and perform it the next time you connect, but you cannot start a measurement until the device is paired. Once paired, the application automatically connects to the device associated with the current account, provided that the device is turned on and discoverable. You don't have to pair the device once again with the given account.
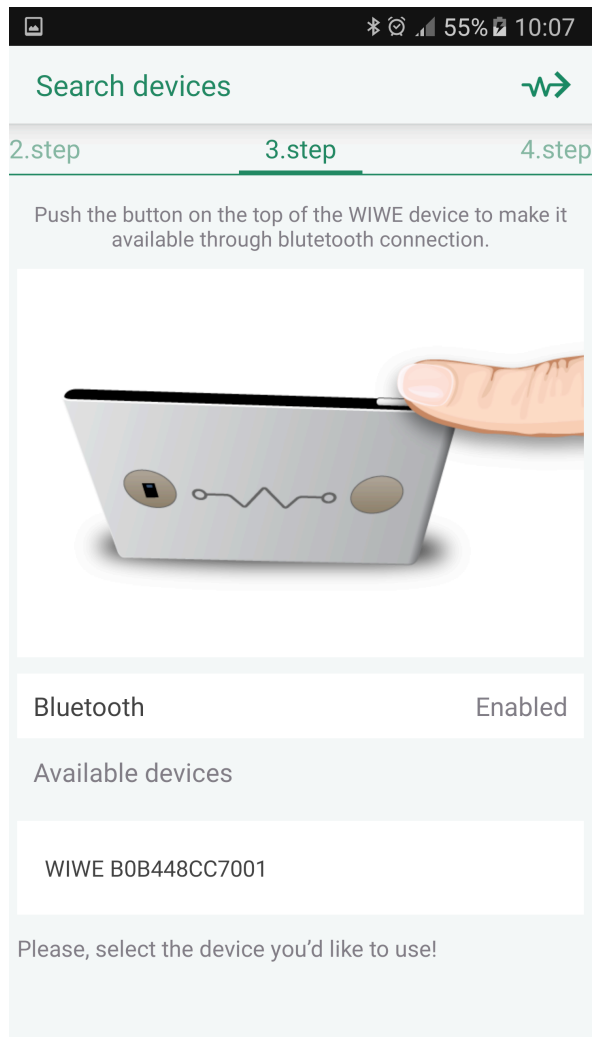
Settings

In the third step, you need to enter and record some basic settings to use the application.
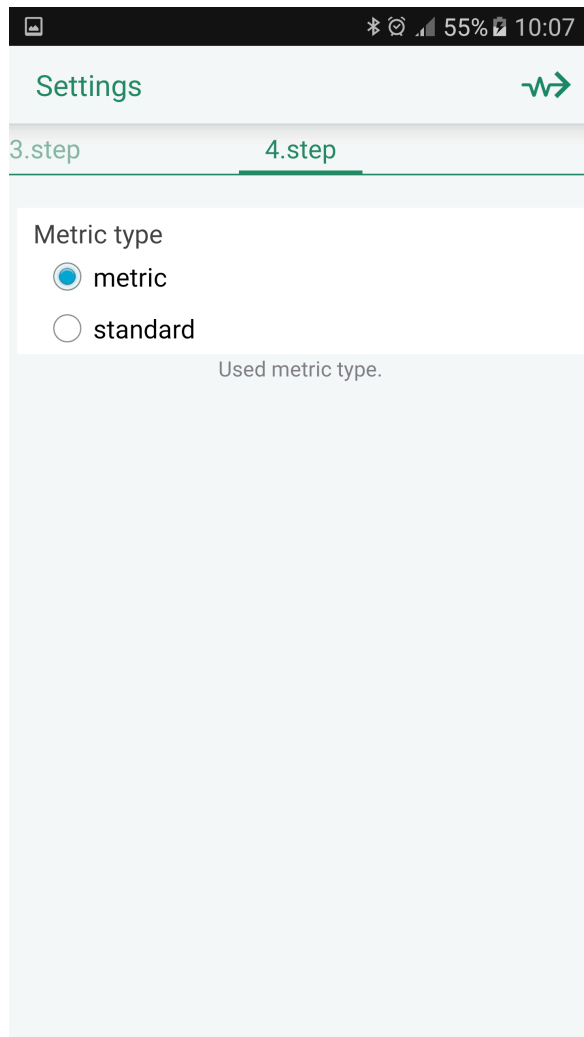
Select account

Following the launch screen (or the Wizard, in case of first use), the application immediately takes you to the following screen, selecting the previously used account.

For more details about this screen, please see the [Change account](#) function.
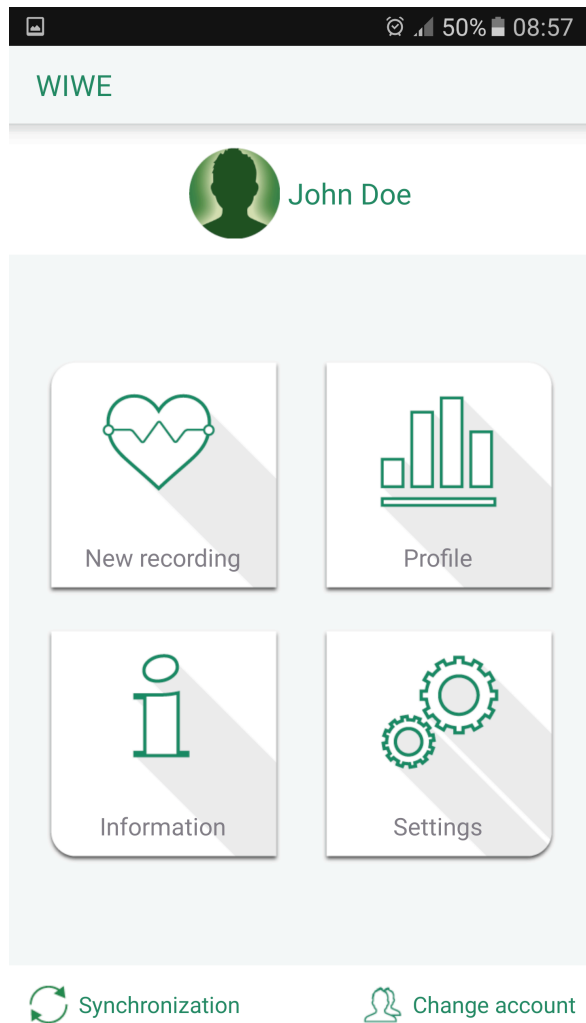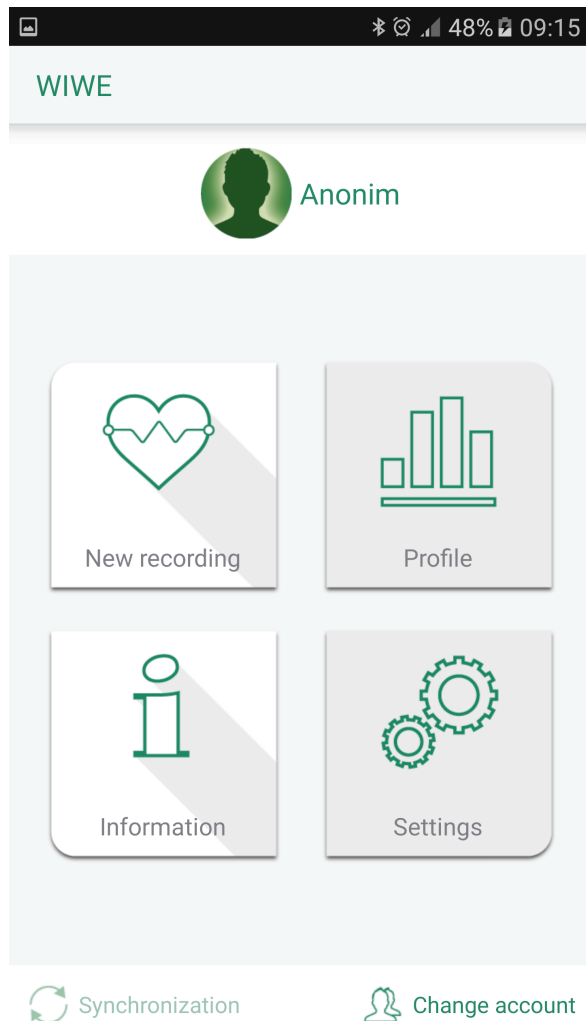
Main screen

The following functions are available on the main screen:

- New recording
- Profile (not available for Anonym account)
- Information

WIWE

John Doe

New recording

Profile

Information

Settings

Synchronization

Change account

Please note: If you log in with Anonym account, certain functions are not available.

New recording

Users can start recording with the WIWE device and application, which will result in medical measurement data. After a successful recording, users can view the measurement results and share them with others (e.g. with their doctors).

Discovering and pairing WIWE device

If the WIWE device you wish to use for recording is not connected yet, you can connect it on this screen. For this, the Bluetooth connection must be switched on on your mobile device and your WIWE device must also be turned on. It is important to keep your WIWE close to your mobile device.

Owner of the WIWE

Before proceeding to the next step, the meaning of the term 'owner of the WIWE' needs to be clarified. Anyone can pair the device to their accounts, but certain functions are available only for the so called 'owner'. You can use your WIWE device for recording even when it is not connected to a mobile device, and your WIWE device can also be used as a pedometer. These data can be synchronized only with (uploaded to) the owner's account. One device can have only one owner at a time.
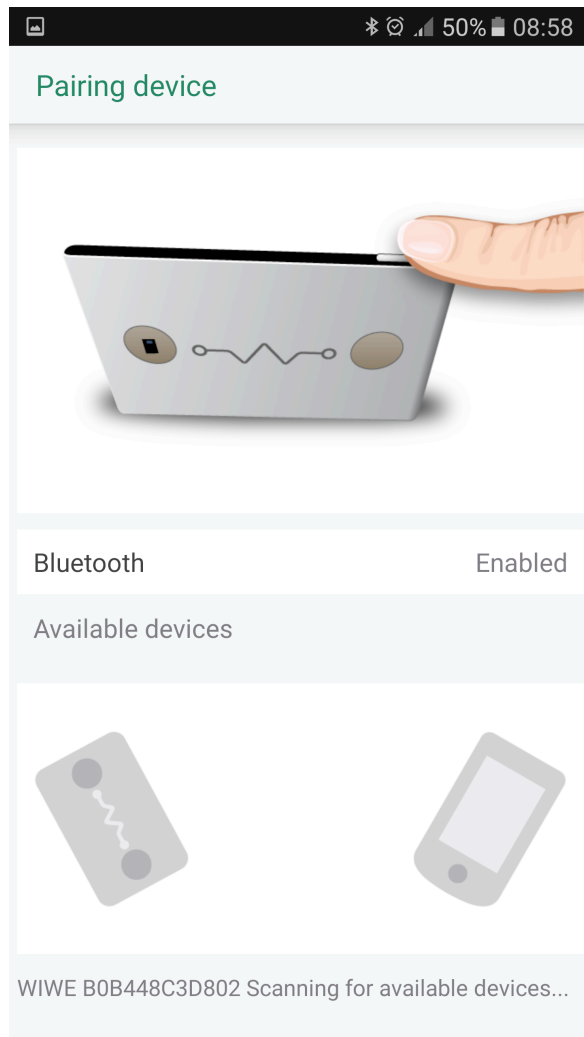
Pairing

If a user has not paired a device with his/her account, then this needs to be performed first. Switch on Bluetooth on your mobile device, if it is off. Press the push-button of the WIWE device to make it discoverable for the mobile device. The WIWE will appear in the list of Available devices. If there is another discoverable device in the proximity, please make sure you select the right one. The application attempts to connect to the selected device. If there is no more than one discoverable device within 3 seconds, the application automatically tries to connect to the discovered device. If the device has no owner yet, the application offers the user to make his/her account the owner of the device.
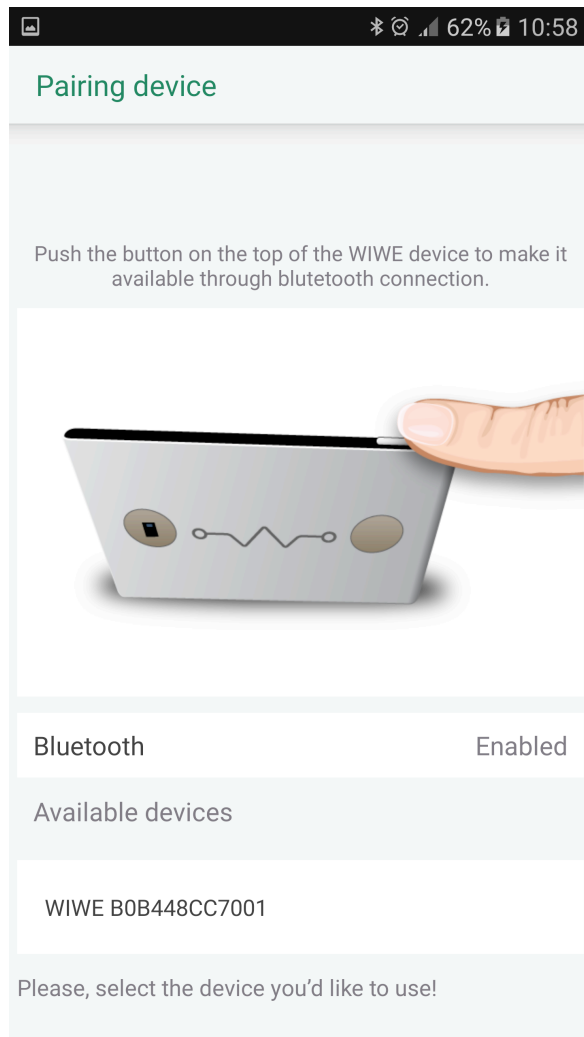
Connecting

If the account already has a paired device, the application will search only for the paired device and will be able to connect to that only. If there is another discoverable device in the range, then the user interface will notify the user about this to prevent the user from connecting to someone else's WIWE device.

If the account is the owner of the device, pedometer counts are also synchronized during the connection, provided that the pedometer function is enabled on the device. (For switching the pedometer on and off, see: WIWE info.)

Technical information

You have to perform and comply with the following during connecting and pairing:

- Make sure that Bluetooth connection is allowed on your phone and is not switched off during connecting and recording.
- Make sure that the WIWE device and your phone is turned on and not switched off during connecting.
- Make sure that the WIWE device and the phone are within each other's range (the Bluetooth communication distance ranges from 5 to 100 metres depending on transmitter, receiver and medium). Do not move the devices out of each other's range during connecting and recording.

If the connection was unsuccessful, restart the pairing process.

Preparing to record

Successful measurement requires a preparation process, during which the user rests his/her thumbs on the sensors of the WIWE device and tries to relax. During preparation, the application checks whether the touch connection is good and the data provided by the WIWE device are suitable to start recording. The preparation takes 10 seconds.
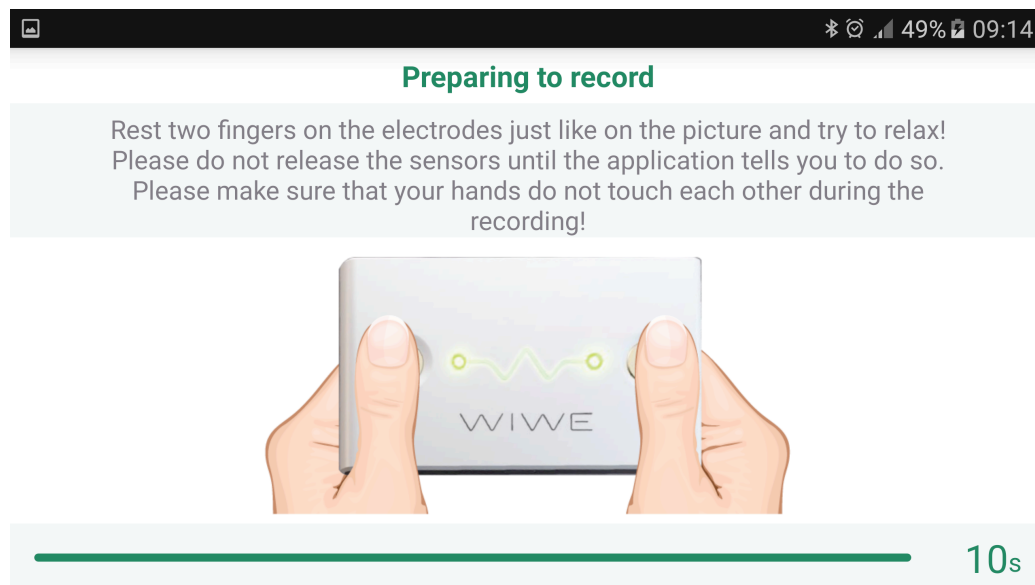
Recording measurement data

After successful preparation, the WIWE device starts recording measurement data, which takes at least 30 seconds, but no more than 60 seconds. If the sensors are released within 30 seconds, the measurement will be interrupted. The application will notify the user after 60 seconds that the recording has been completed. During recording, the application plots the ECG curve of the user touching the sensors, and displays his/her pulse and saturation.

If the measurement is interrupted for any reasons, the application offers a new recording. If the device could successfully record measurement data for more than 30 seconds, the measurement may be evaluated, but it is recommended to perform a new recording.
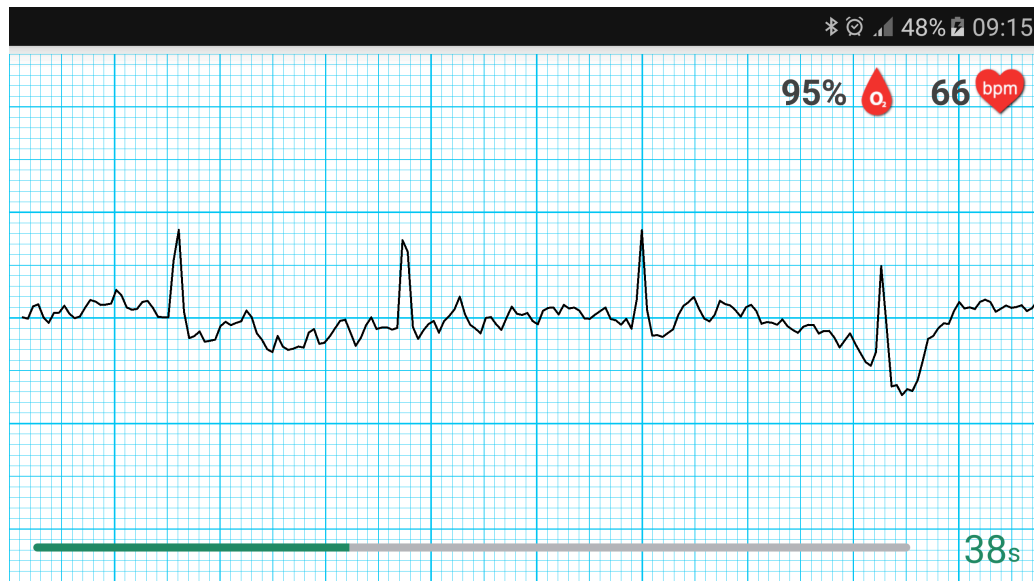
Evaluation

To start evaluation, the sensors of the WIWE device must be released (the application notifies the user to do so). The application will then evaluate the ECG data recorded during measurement. The evaluation may take a few seconds, and may be either successful or unsuccessful. If the evaluation is unsuccessful, the application offers a new recording. If the evaluation is successful, the measurement results are displayed after evaluation.

If Gamification is enabled in the Settings, a short animation is displayed before displaying measurement results. This animation can be skipped by pressing the button on the bottom of the screen. The animation is displayed during the first four measurements of the current week to motivate the user to perform at least four measurements a week.

Measurement results

After evaluation, measurement data are processed and displayed in the form of numerical data and graphs. It is recommended to share the measurement results with a specialist to ensure that any deviations are diagnosed.

In the first two measurements, a picture is displayed above the result screen, which informs users that screen items can be touched. This picture will disappear when touched.

There is a short description for each colour. These descriptions appear in a dialogue box when the fields are touched. For detailed explanation, touch the Info button.
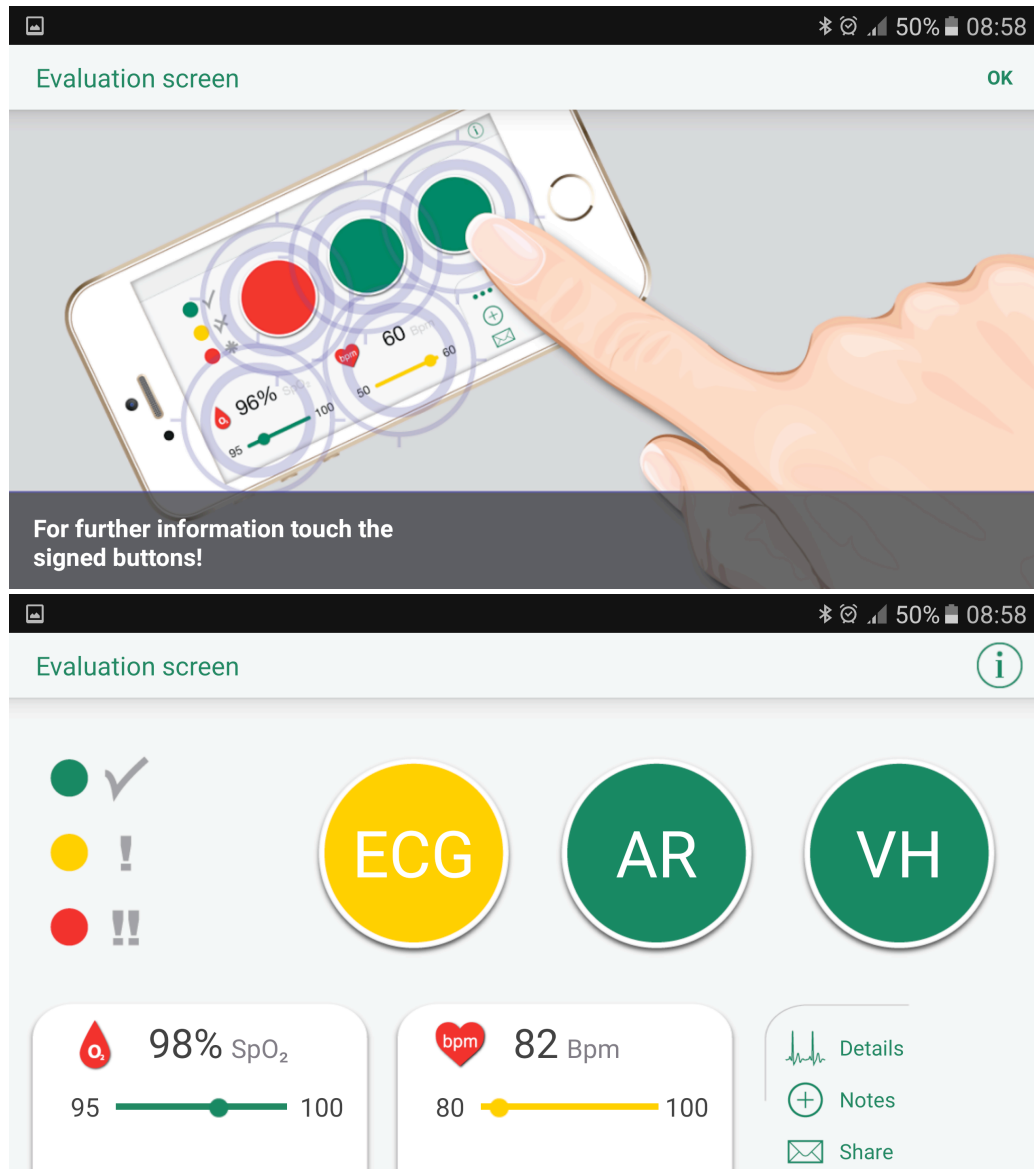
ECG, AR, VH

Measurement results are classified into three categories marked with three 'lamps': ECG (ElectroCardioGram), AR (Atrial Fibrillation), VH (Ventricular Heterogeneity), the colour of which indicates normal results, deviations or dangerous results. The measurement results behind each lamp are available by pressing the Details button in the bottom right corner of the screen.

Saturation (SpO₂)

Measurement data, showing the oxygen content of the blood in percentage. The colour of the scale under the value shows if the level is normal, abnormal or dangerous, and the measured value is also indicated in the scale.

Pulse (Bpm)

Measurement data, showing the pulse rate in numerical value. The colour of the scale under the value shows if the level is normal, abnormal or dangerous, and the measured value is also indicated in the scale.

ECG parameters

Average majority cycle graph with related HR, QRS, QTc and T max data as well as reference values. Any deviations are indicated by a red exclamation mark next to the data type concerned. For a more detailed explanation, touch the information button in the top navigation bar. The ECG curve plotted during recording can be displayed by touching the 'Show the ECG curve' button.
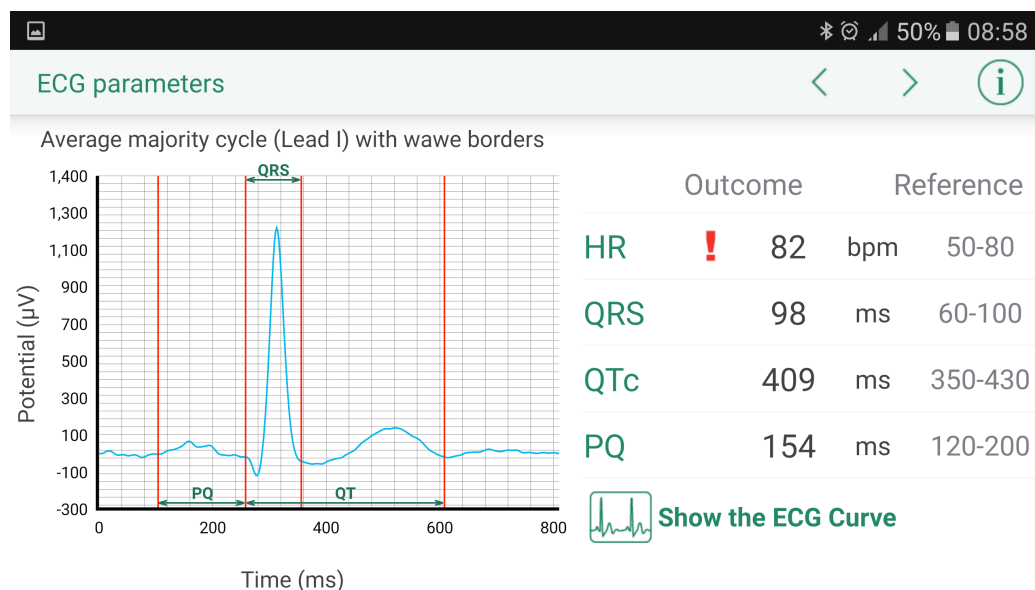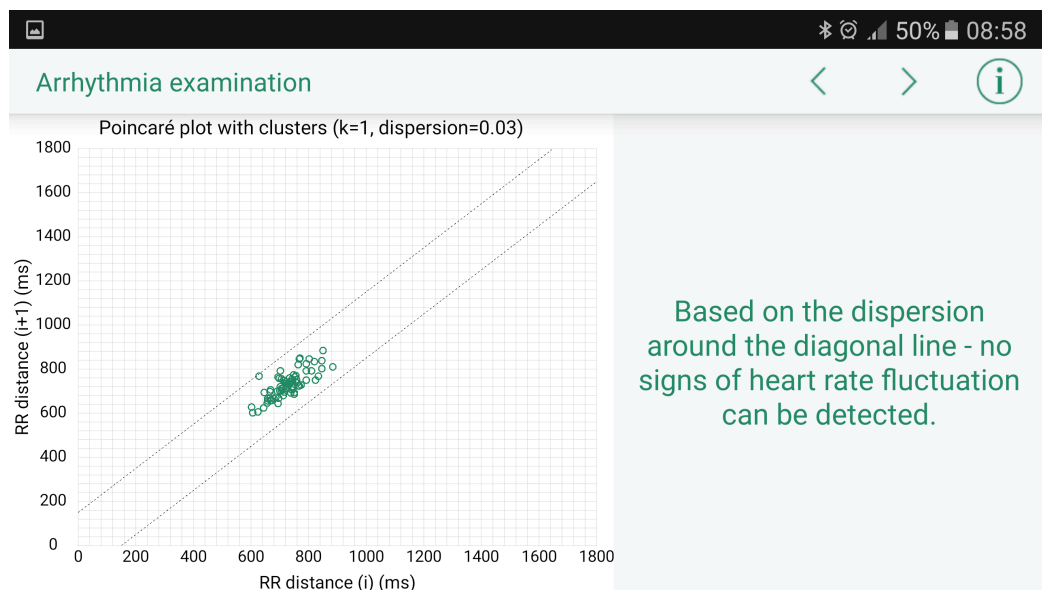

ECG curve

ECG curve plotted during the recording of measurement data, which can be horizontally paged and zoomed by maximum four times. The marks on the curve deliver significant information for a specialist.
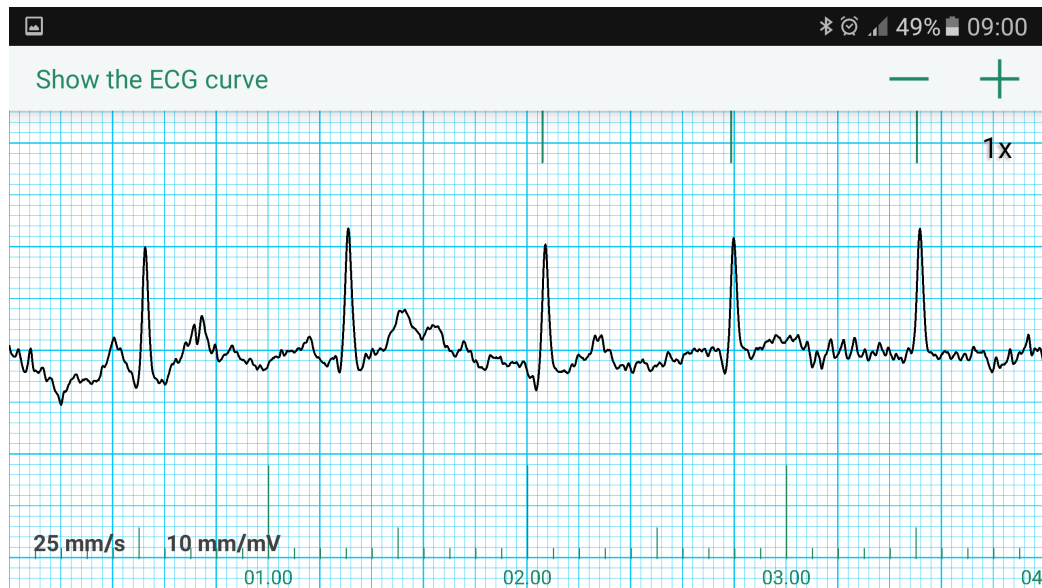
Arrhythmia examination

The Arrhythmia examination graph evaluates the measurement result in terms of the number of clusters and dispersion around the diagonal line.

Poincaré plot with clusters (k=1, dispersion=0.03)

Based on the dispersion around the diagonal line - no signs of heart rate fluctuation can be detected.

Ventricular heterogeneity

This graph evaluates the measurement result in terms of ventricular heterogeneity.

You can add notes to the measurement, referring to the conditions of the measurement. Some conditions can be selected from a list, but you can also add special conditions to the measurement. Additionally, you can specify the medicines taken, which help the specialist evaluate the measurement data and establish an accurate diagnosis.
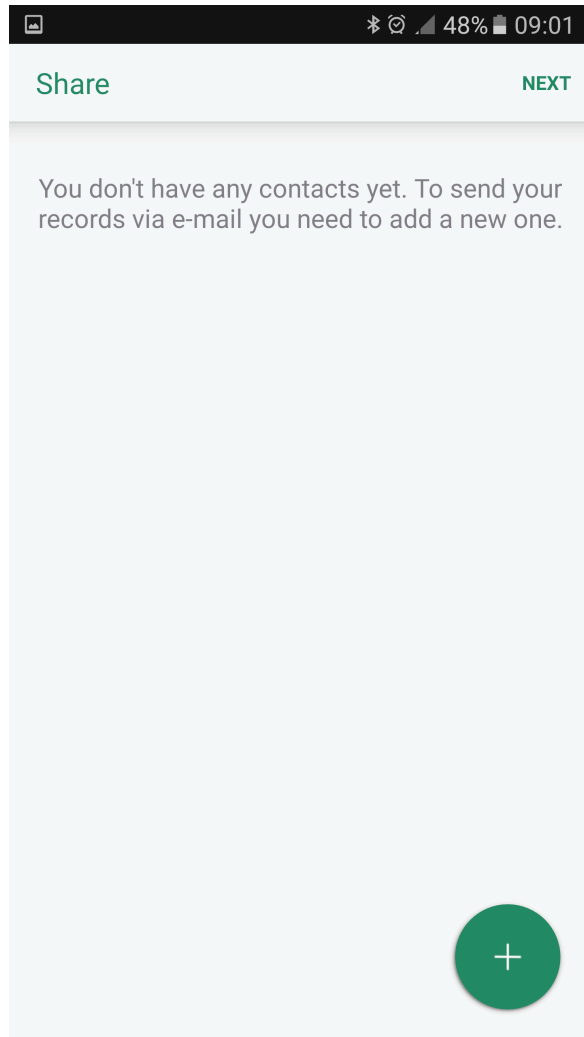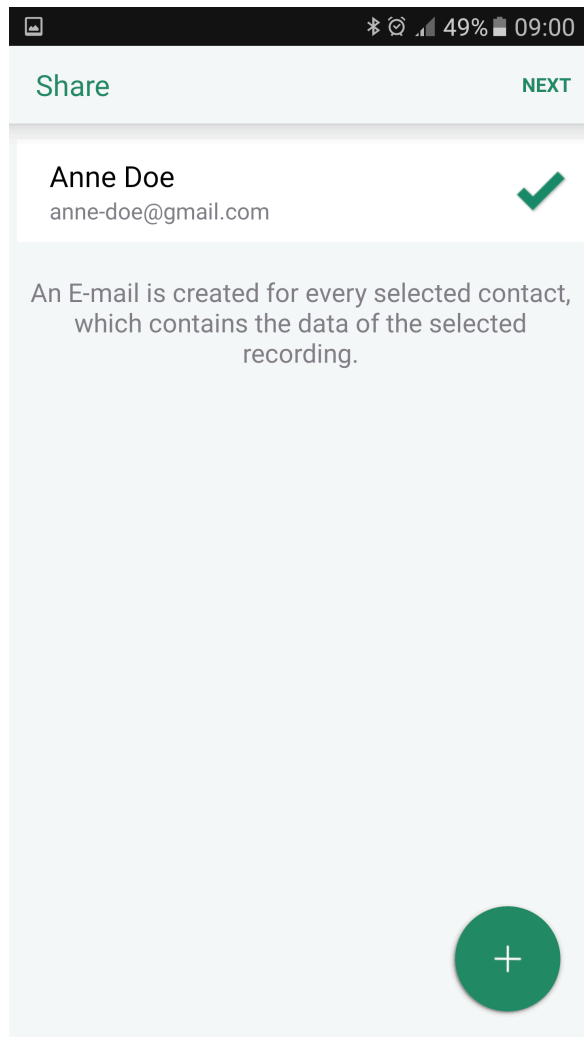
Share measurement

You can share your evaluated measurement result with others (it is recommended to share results with your general practicioner or specialist). First of all, you need to record the contacts in the application. (This can be performed under the [Contacts](#) menu in the Settings.)

If you have no contacts recorded yet, touch the plus button and enter the **Name** and **Email address** of the contact. If the **Always send to him/her** option is enabled for a contact, the given contact will always be included in the list of recipients when sharing a new result. You can import contacts from your phone book by touching the green plus button. If there are more email addresses for a contact, you can select the appropriate one from a selection window that appears during importing.

Share

NEXT

You don't have any contacts yet. To send your
records via e-mail you need to add a new one.

\+

You can share the results for example via email. In this case, the application prepares the email based on the selected contact data (recipient, subject, contents), but the user must confirm sending the email. You need internet connection to send measurement results in email.

Profile

In the Profile screen you can review your previous measurements and evaluated results, which allows you to monitor your health.

You can view and edit your account data by touching the first line. This function is also available under [Account data](#) in the Settings. See there for more details.

The second field shows the results of your last measurement and your pulse and saturation statistics. If you touch this field, you enter the Health

Journal, where you can see your previous measurement results. If you have no measurement history, a button for new recording will appear here.

The third section, called Fitness, shows the current daily number of steps taken and your Body Mass Index. If you have not specified the necessary data for the calculation of these values, you can enter them by touching the lines.
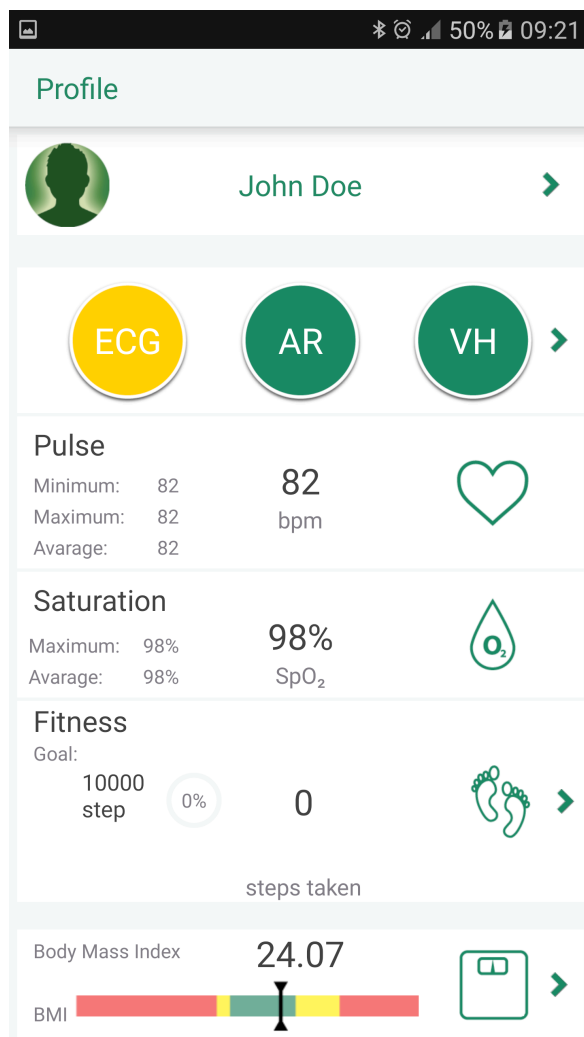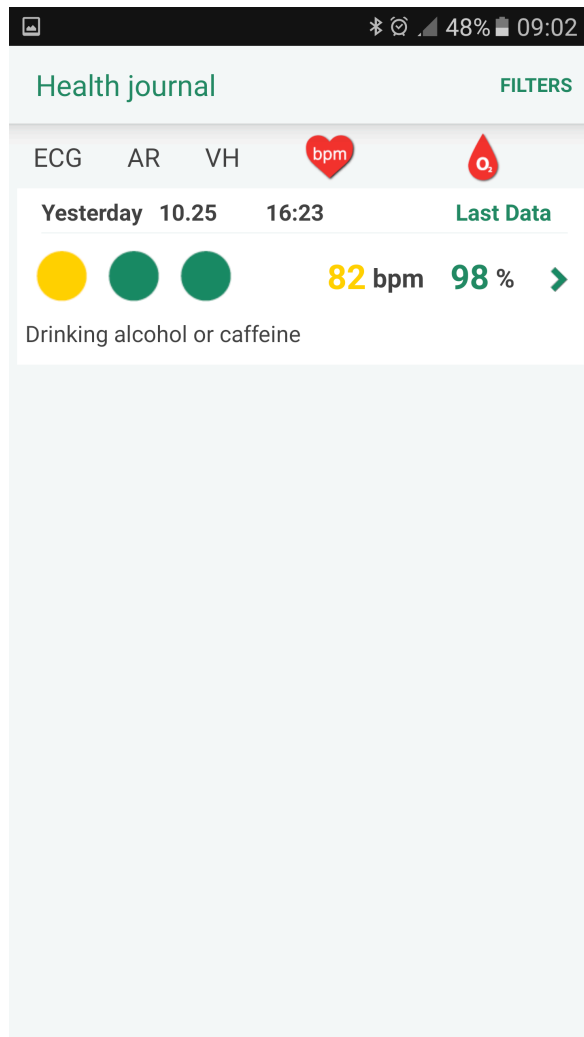

Health journal

The Health journal shows the data of recorded and processed measurements in table format and chronological order, with the latest measurement data on the top. Deviations from measurement limits are indicated with green, yellow or red colour (normal, deviation, danger). By touching the Filters button in the top right corner, you can view filter parameters, which enable you to filter your measurement results by date

WIWE
SZÍVBŐL JÖVŐ ÜZENET

Health journal				FILTERS

ECG	AR	VH	bpm	O₂

Yesterday 10.25   16:23   Last Data

🟡 🟢 🟢   **82** bpm   **98** %   ›

Drinking alcohol or caffeine

Pedometer

There is a screen at the bottom of the Pedometer function, consisting of the following three tabs: Results, User data and Tips.

Please note: The pedometer data are only displayed when the Pedometer function is enabled on the WIWE device and such information are synchronized.

User data

Some user data are required for the accurate calculation of step data and calories burnt. If you haven't entered these data yet, the User data tab will be active. The two other tabs will remain inactive until the required data are entered.

WIWE

Results	User Data	Tips

1 Jan 1970

Sex   ● Man   ○ Woman

Used metric type:

● metric ○ standard

Height

(cm)

Weight

(kg)

BMI

Please set the weight and height.

BMR

Please set weight, height, bird data and sex.

Type of goal   ● Step ○ Calorie

Results

You can see the steps recorded and synchronized by the WIWE device, the calories burnt and the distance covered (in km) in this screen.
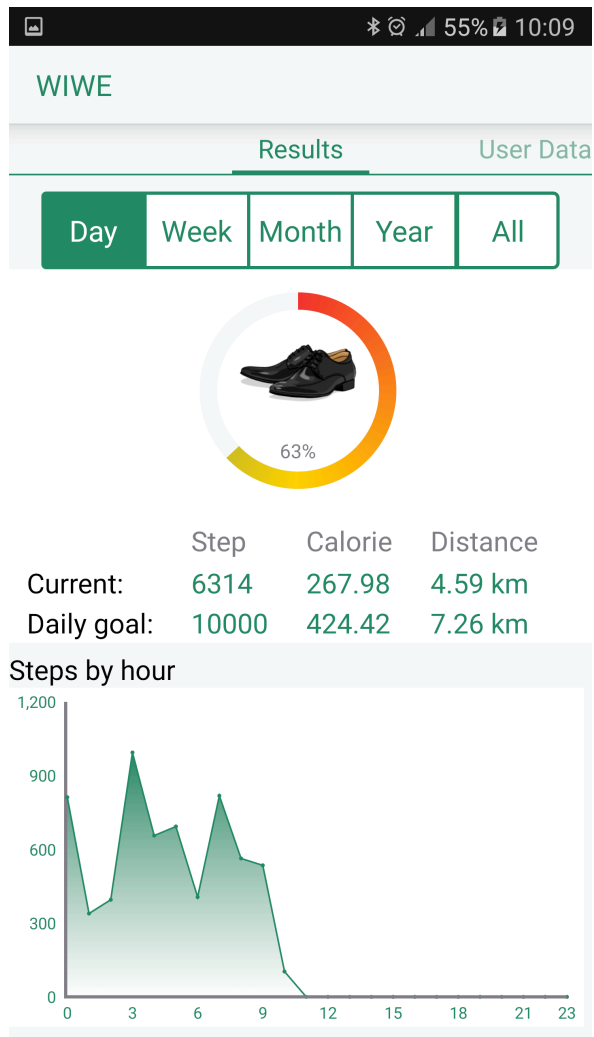
You can view the cumulated step data by day, week, month or year and in total, depending on the selection made using the segmented top control bar.
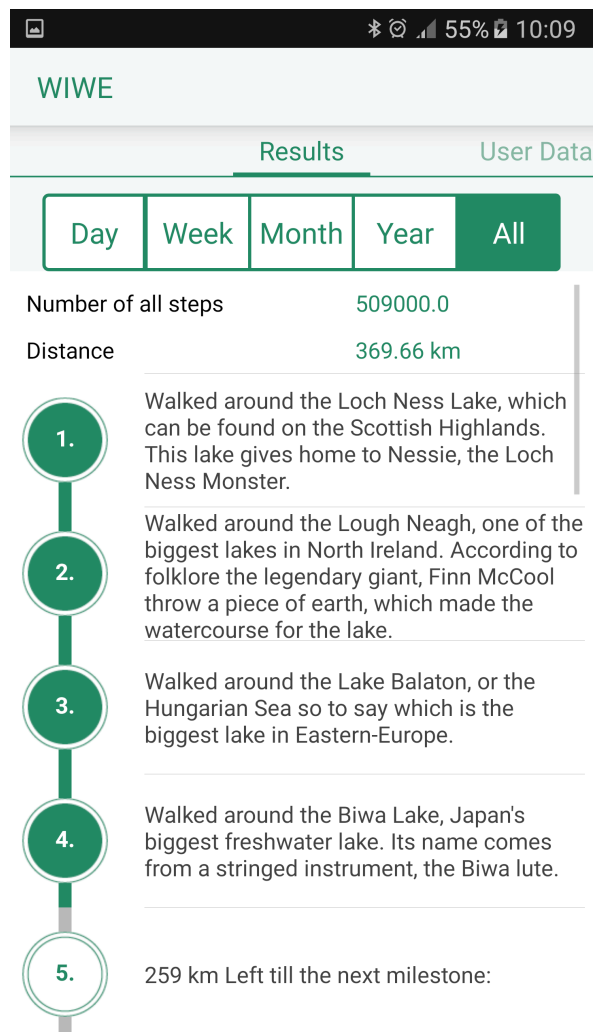
The circular diagram with a badge inside shows in a funny way the percentage of the goal achieved within the given time interval. The daily step goal is multiplied in the weekly, monthly and yearly view.

You can see the cumulated data for the given time interval under the circular diagram.
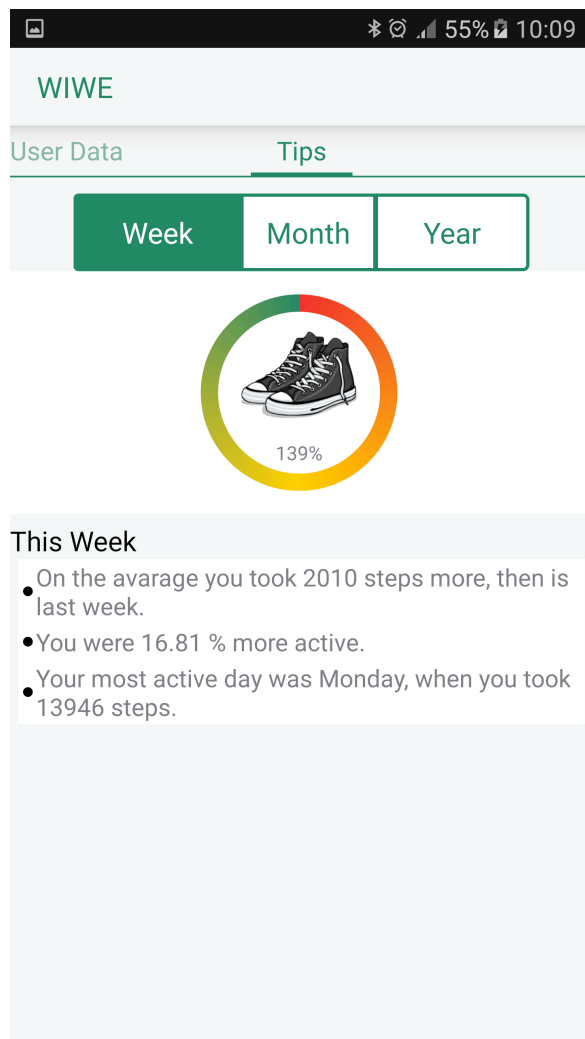
WIWE

Results | User Data

Day | Week | Month | Year | All

63%

	Step	Calorie	Distance
Current:	6314	267.98	4.59 km
Daily goal:	10000	424.42	7.26 km

Steps by hour

Tips

The Tips tab shows information about the results of the user in three views (weekly, monthly and yearly), according to the selected time interval.

Body Mass Index

A value calculated from your height and weight. The BMI value is shown on the scale with green, yellow and red colours (normal, deviation, dangerous), indicating your body mass index status.

Please note: The Body Mass Index data are only displayed if you have entered your weight and height information.

Information

Available from the main screen, the Information screen provides you with useful information about the application.

You can see the software version at the bottom of the list.
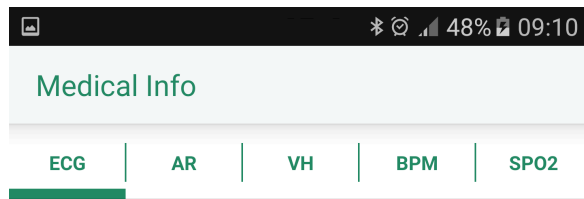
ECG: Electrocardiogram

Evaluation of the parameters of the ECG curve.

Meaning of colours in connection with the „ECG"-button:

● ✓ Green: All the evaluated ECG parameters are in the normal range.

● ! Yellow: A small deviation can be detected in case of at least one of the evaluated ECG parameters.

● ‼ Red: Significant deviation can be detected in case of at least one evaluated ECG parameter. If such deviation frequently happens, a detailed medical examination is recommended.

What do we call ECG?

Electrocardiography is a diagnostic procedure supplying data on cardiac electrical activity. The electric information is recorded by a device called electrocardiograph, which detects the electrical activity of the heart at certain points on the surface of the body. The result of the examination is the recorded ECG curve, the

Terms and conditions

You can read the terms and conditions of the application.

Settings

You can perform settings of the application in this menu. Certain settings are related to user account, which you must perform by account, while the storage options apply to the whole application, irrespective of user account.
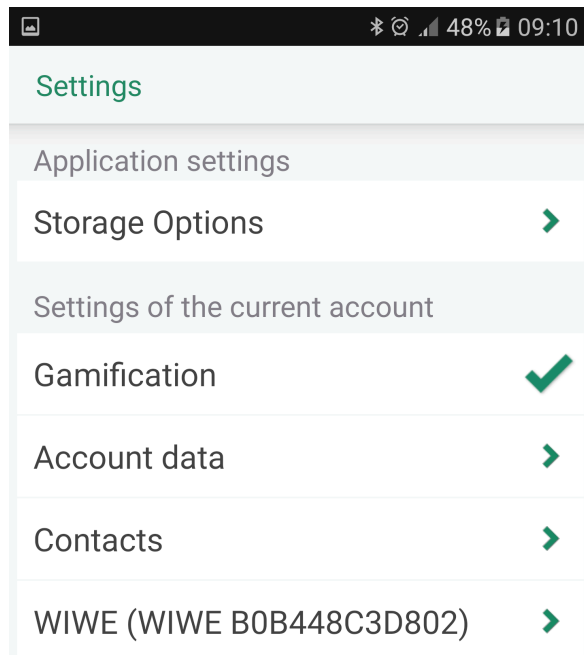
Storage options

In the Storage options screen you can specify the number of measurements to be stored by the application. With this function, you can limit the quantity of data stored in the application, depending on whether you want to save storage space or use the application without limitations.
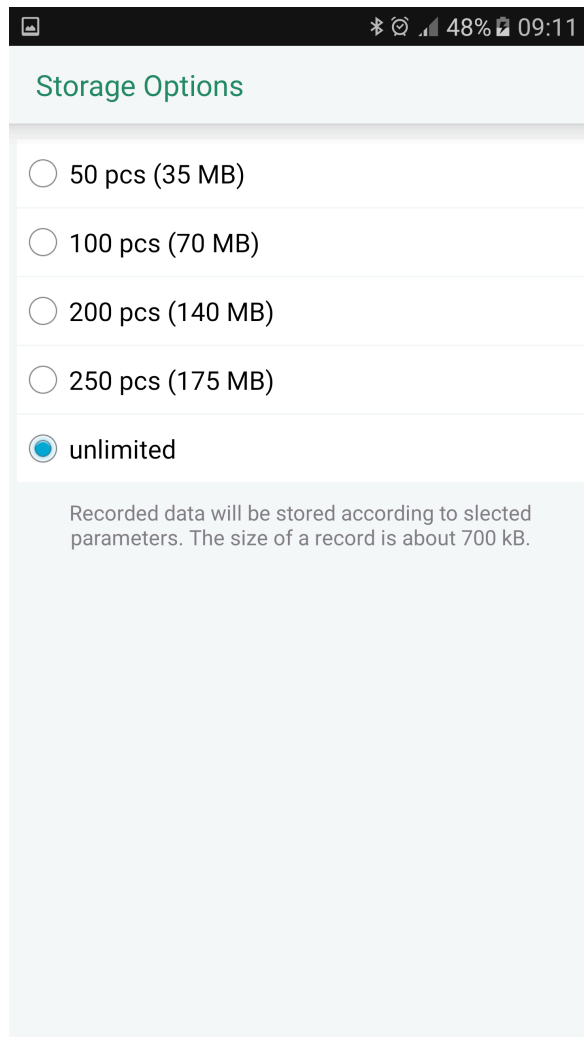
Gamification

The Gamification function adds animation to the application, which motivate users to perform recording several times a week. This function can be disabled here.

Account data

You can manage the data associated with the user account in this screen. The following data are shown in the Account data screen:

- Personal data
- Used metric type
- Body Mass Index data
- Pedometer data
- Sicknesses/Other

Account data   DONE

Personal data

John Doe

john.doe@gmail.com

Photo

1 234 5678

Address

Mountain View,CA USA

1 Jan 1970

Sex   ◯ Man   ◉ Woman

Used metric type:

◉ metric ◯ standard

Used metric type.

Body Mass Index Data

Height

175 (cm)

Personal data

You can enter or edit your **Name**, **Email address**, **Phone number, Birthplace, Date of birth** and **Sex**.

Used metric type

You can select between metric and standard types.

Body Mass Index data

You can enter your **Weight** and **Height** in metric or standard value, depending on the metric type selected. In case of metric values, kg and cm are used, in case of standard values, feet and inch and pounds are used. The specified data will be used for the calculation of the Body Mass Index.

Pedometer data

You can specify whether to calculate the steps you take in steps or calories, and you can set the **daily goal**, which means the number of steps you wish to take on a daily basis.

Sicknesses/other

You can specify your chronic and other sicknesses in this screen. This is useful because the sicknesses entered here will appear next to the emailed measurement results, helping your doctor establish an accurate diagnosis. You can select more sicknesses from the list and also add special sicknesses that are not listed. You can delete a special sickness you entered by keeping it depressed, as normally done in Android.

Contacts

You can manage your contacts, add new contacts and edit existing contacts in this screen. You can share your measurement results and data with your contacts by sending these information to them by email. You can save a contact by entering the Name and Email address, and you can also import your contacts from the phone book. If you enable the Always send to him/her option, the given contact will always be included in the list of recipients when sharing your measurement data. For more details see: Share measurement.

WIWE info

If you have a paired device, you can access the data and settings of the device in this screen. You can rename the connected device, check the battery condition, the firmware version and whether synchronization is necessary. You can enable and disable the pedometer function, as well.

If you have no paired devices, then only the Pairing button appears on the screen. You can perform pairing by touching this button. (For more details see: Pairing.) After pairing, you can see device data.

If the paired device is not connected, certain information and functions are not available.