

User Manual

Digital Stethoscope

(Model HESS- I)



Humeds Health Technologies

Follow the Humeds Health official account to obtain more product information.



■ Key functions of Humeds

Digital stethoscope



Humeds Digital stethoscope has only one switch button:

Power on: Press and hold the switch button for 1.5 seconds.

Shutdown: Hold down the switch for 3 seconds.

a. When the blue light of the work indicator flashes, the device is powered on, and the Bluetooth device is also enabled and is searching, paired, or connected to the mobile device.

b. When the yellow light flashes, the device is low on power and needs to be charged.

c. When the green light is always on during charging, it indicates that the device has been charged. Please pull out the power adapter from the device.

■ Download, install and use the

Humeds Health APP

For mobile phones of brands of Huawei, Xiaomi, Honor, Vivo, Oppo, the "Humeds Health" APP can be searched, downloaded and installed from the built-in App Store.

On the IOS system, search for "Humeds Health" in the App Store to download and install it.



For other brands of mobile phones, the Humeds Health APP can be downloaded by scanning the QR code or logging on to the website:

http://www.humeds.com.cn/app/humeds_epcg.apk

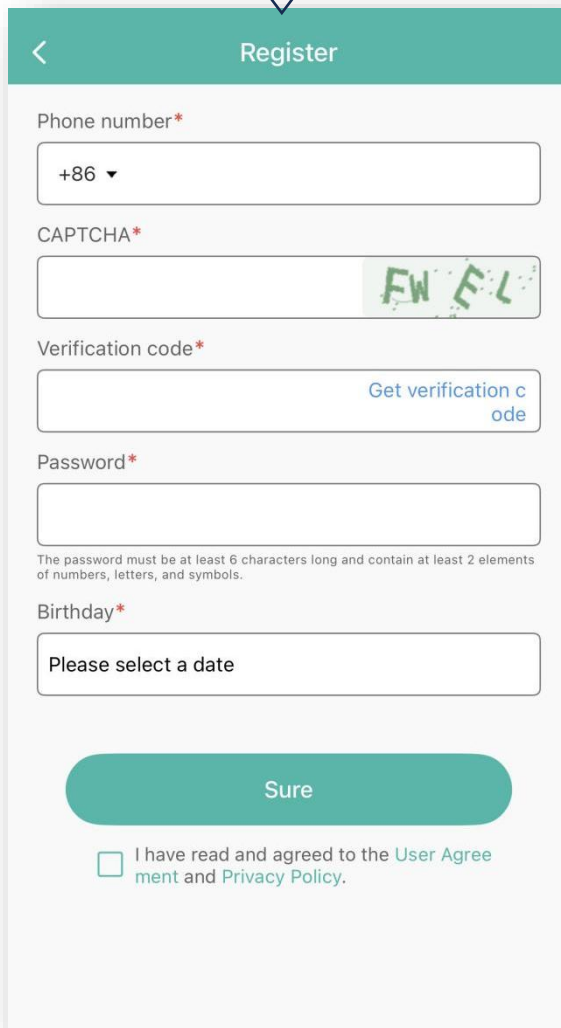


Humeds ECG APK

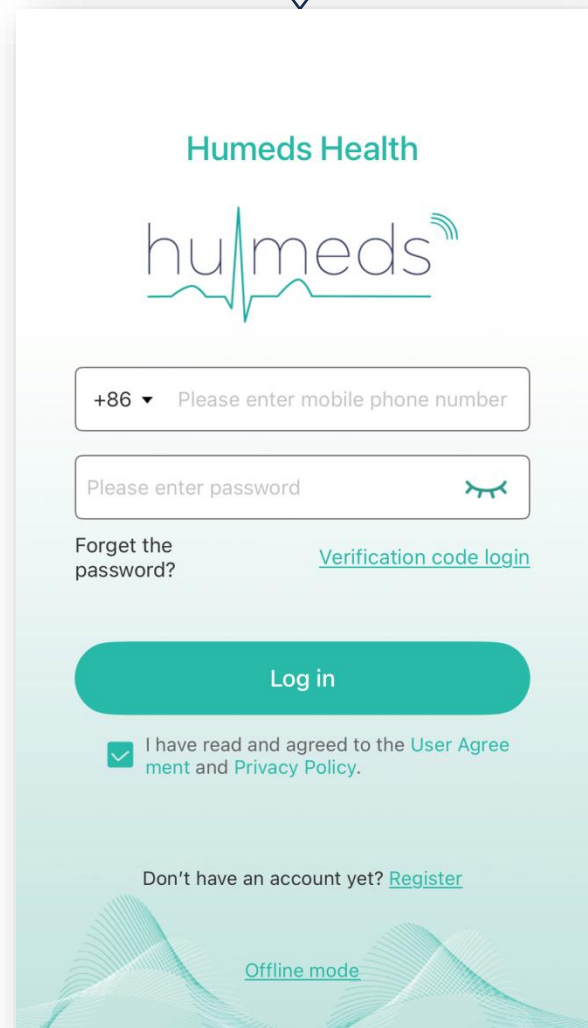
■ Registration and login

Register an account
Enter the content as prompted. Content marked * is required.

Login to account
Use the mobile phone number you registered to log in. You can choose to use the password or the verification code to log in.



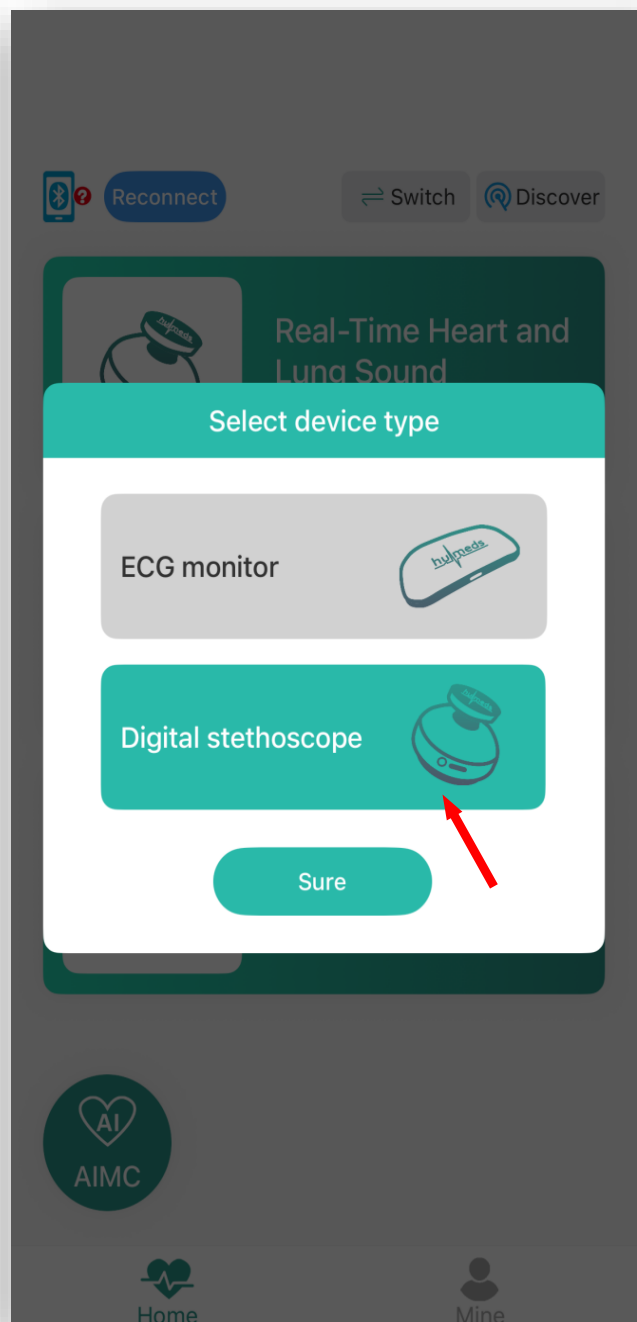
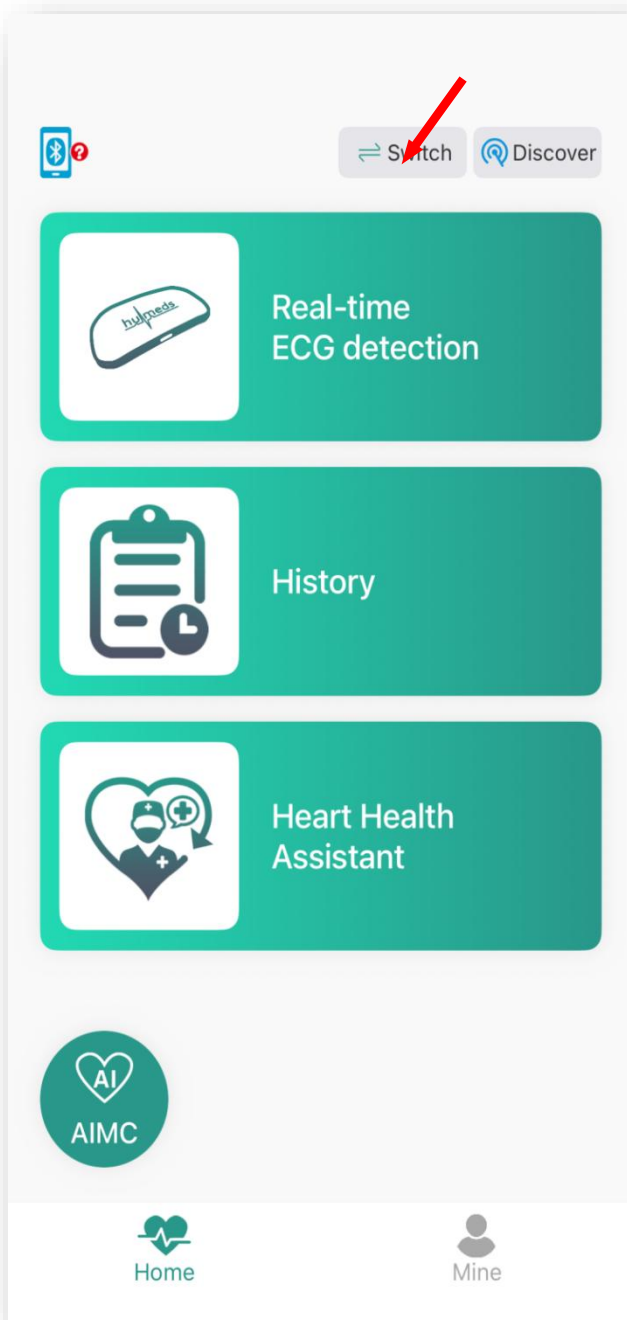
The Register screen features a teal header with a back arrow and the title 'Register'. The form includes fields for 'Phone number*' (with a '+86' dropdown), 'CAPTCHA*' (with a green 'FW EL' image), 'Verification code*' (with a 'Get verification code' link), 'Password*' (with a note: 'The password must be at least 6 characters long and contain at least 2 elements of numbers, letters, and symbols.'), and 'Birthday*' (with a 'Please select a date' prompt). A teal 'Sure' button is at the bottom, followed by a checkbox for 'I have read and agreed to the User Agreement and Privacy Policy.'.



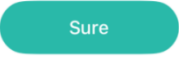
The Login screen features the 'Humeds Health' logo and 'humeds' brand name. It includes a phone number field (with '+86' dropdown and 'Please enter mobile phone number' text), a password field (with 'Please enter password' text and an eye icon), and a 'Log in' button. Below the button is a checked checkbox for 'I have read and agreed to the User Agreement and Privacy Policy.' and a link for 'Don't have an account yet? Register'. At the bottom, there is an 'Offline mode' link and a decorative wave pattern.

■ Connecting device

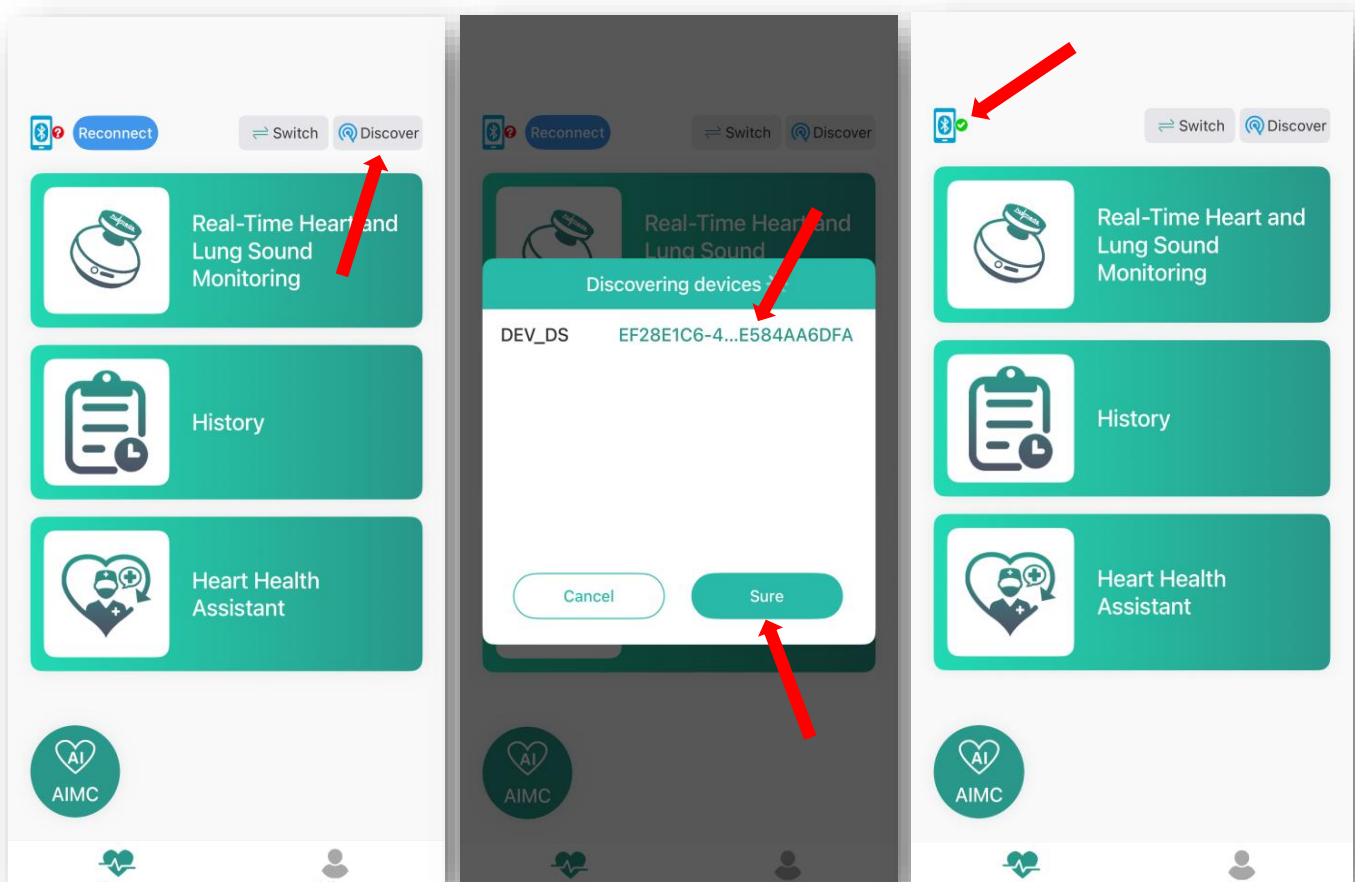
1. After successful login to your account, tap Switch button, then select Digital stethoscope



2. Power on the device and click  at the upper right corner of the main interface to search for the device.

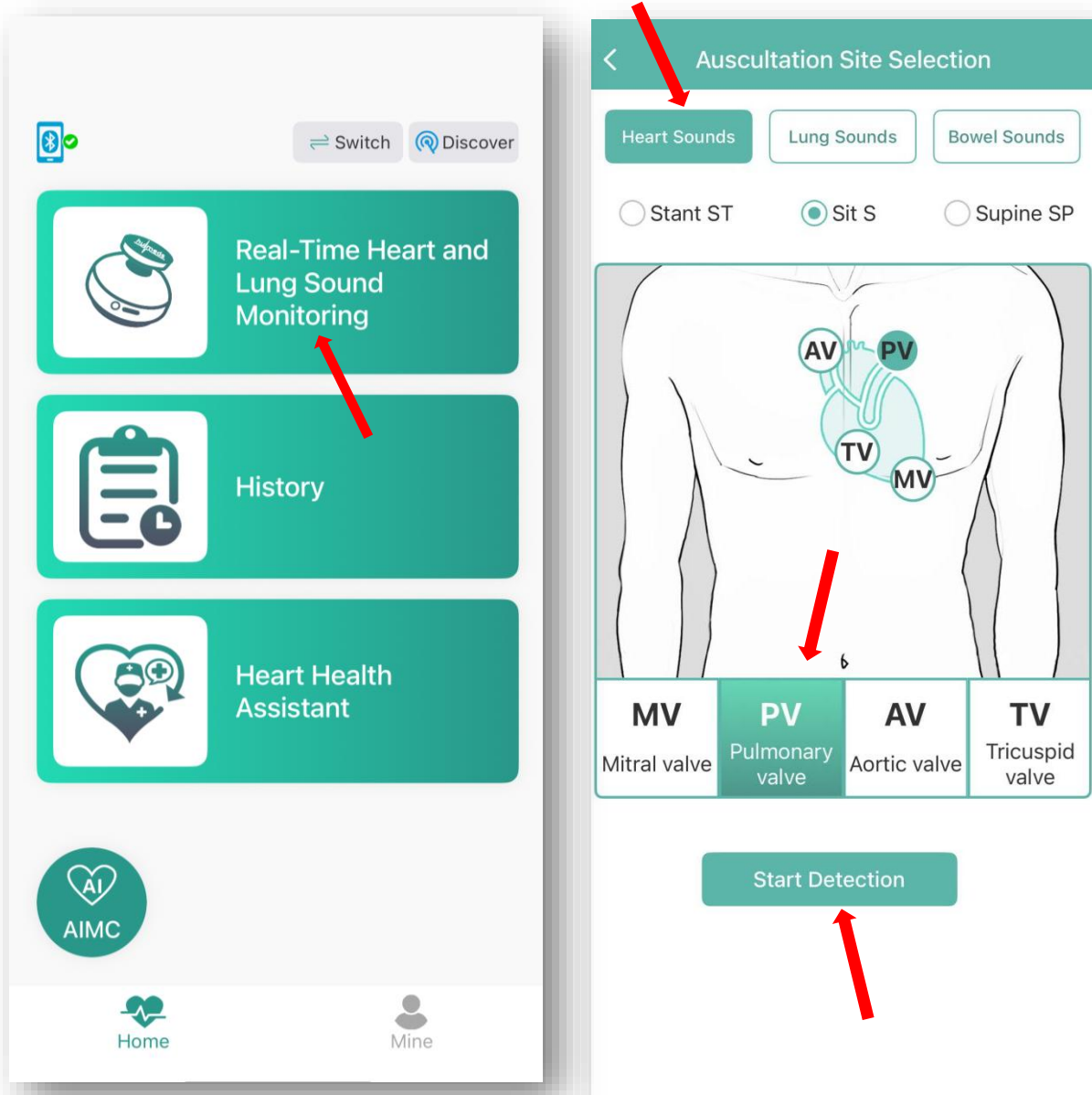
3. After the device name appears in the devices list, tap the device you want to connect and tap  to complete the connection.

4. After successful connection, the icon in the upper left corner of the main interface will have a green check mark , indicating that the device is properly connected.



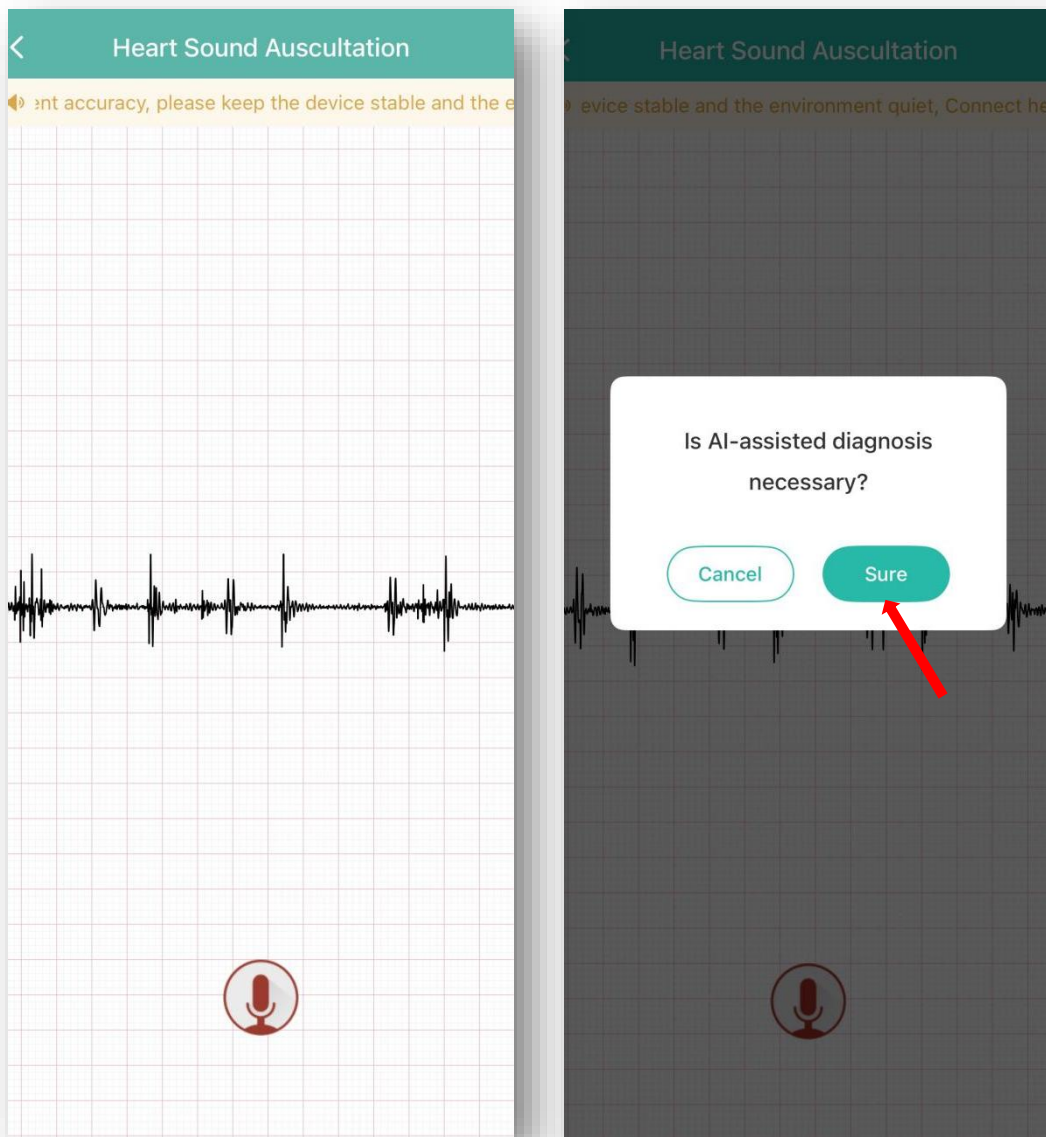
■ Real-time heart sound detection

1. Then Click "Real-time Heart and Lung Sound Monitoring" to enter the detection screen.
2. Select "Heart Sounds", the posture of the person being tested and the position of the sound being heard click "Start Detection".



3. Keep the device steady and ensure a quiet environment. After the auscultation signal stabilizes, click the recording button  to start recording.

4. After the recording is finished, the "Prompt" will automatically appear, and click " Sure ". (If automatic upload detection is set up, there is no need to click manually and the detection data will be uploaded automatically. Refer to the



"Automatic Upload" item)

■ Heart Sound Analysis Report

AI Comprehensive Analysis Results:

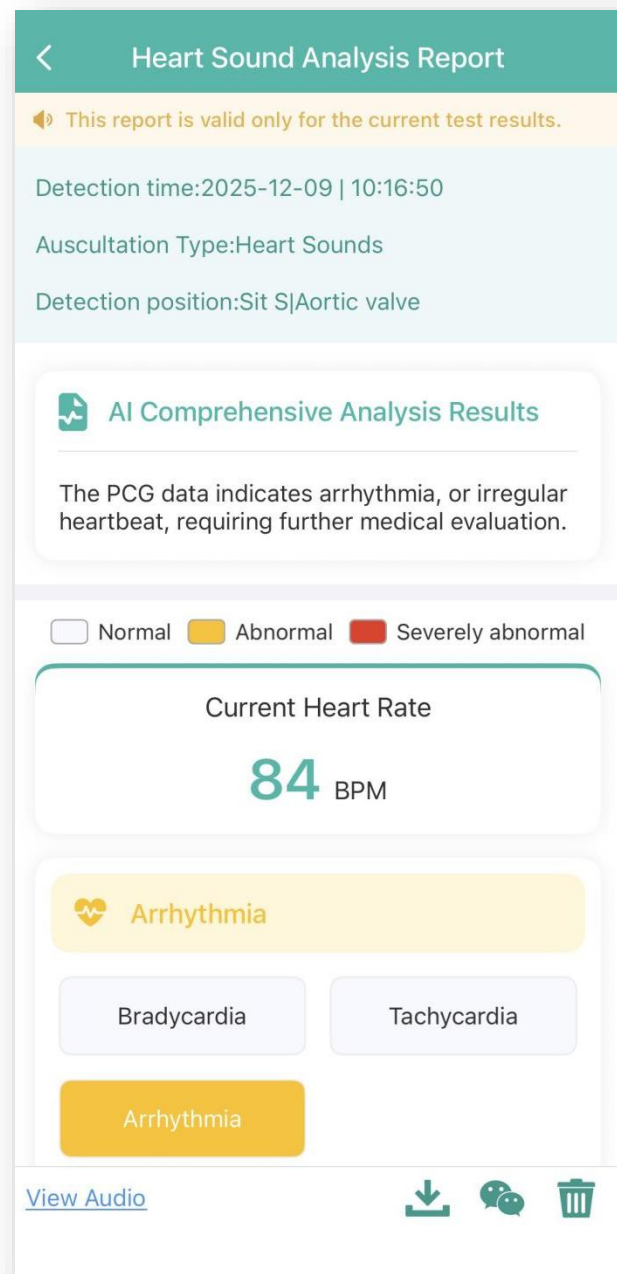
Summarize and analyze the test results of the report to draw reference conclusions.

Current Heart Rate:

Display current heart rate.

Arrhythmia:

Displays the types of abnormal heart sounds that can be detected by the device. When any of the abnormal items is detected, it will show yellow, while the abnormal items that is not detected, No Abnormalities Found will be shown on the title.



Murmur :

If there is murmur, give its intensity grade.

Adventitious Sound :

Displays the types of adventitious sounds that can be detected by the device. When any of the abnormal items is detected, it will show red, while the abnormal items that is not detected, No Abnormalities Found will be shown on the title.

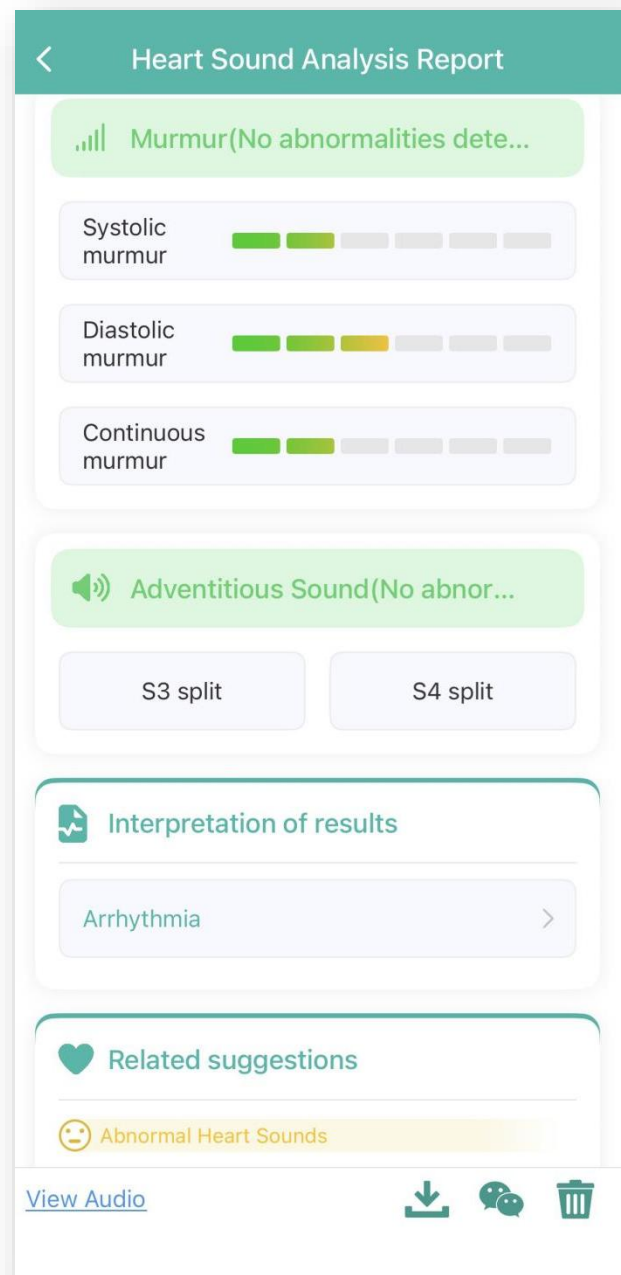
Interpretation of results:

If any abnormal items occur, you can click on them to view the relevant explanations.

Related suggestions:

Provide suggestions based on the test results.

Download report: Click  to download the report in PDF format.



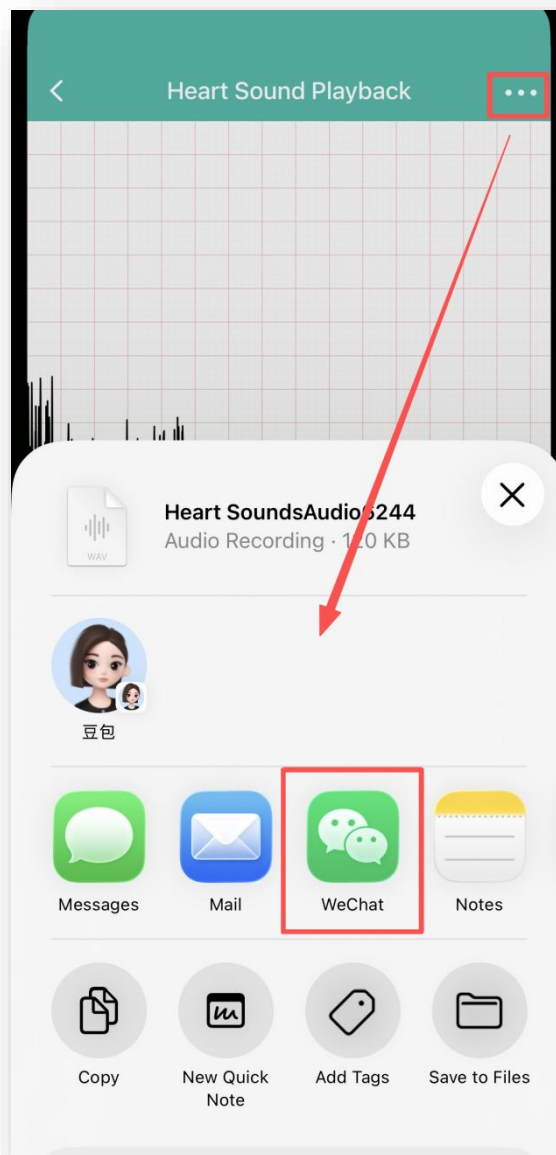
Share: Click  to share the report in PDF format through WeChat.

Delete: Click  to delete the current record.

View Audio:

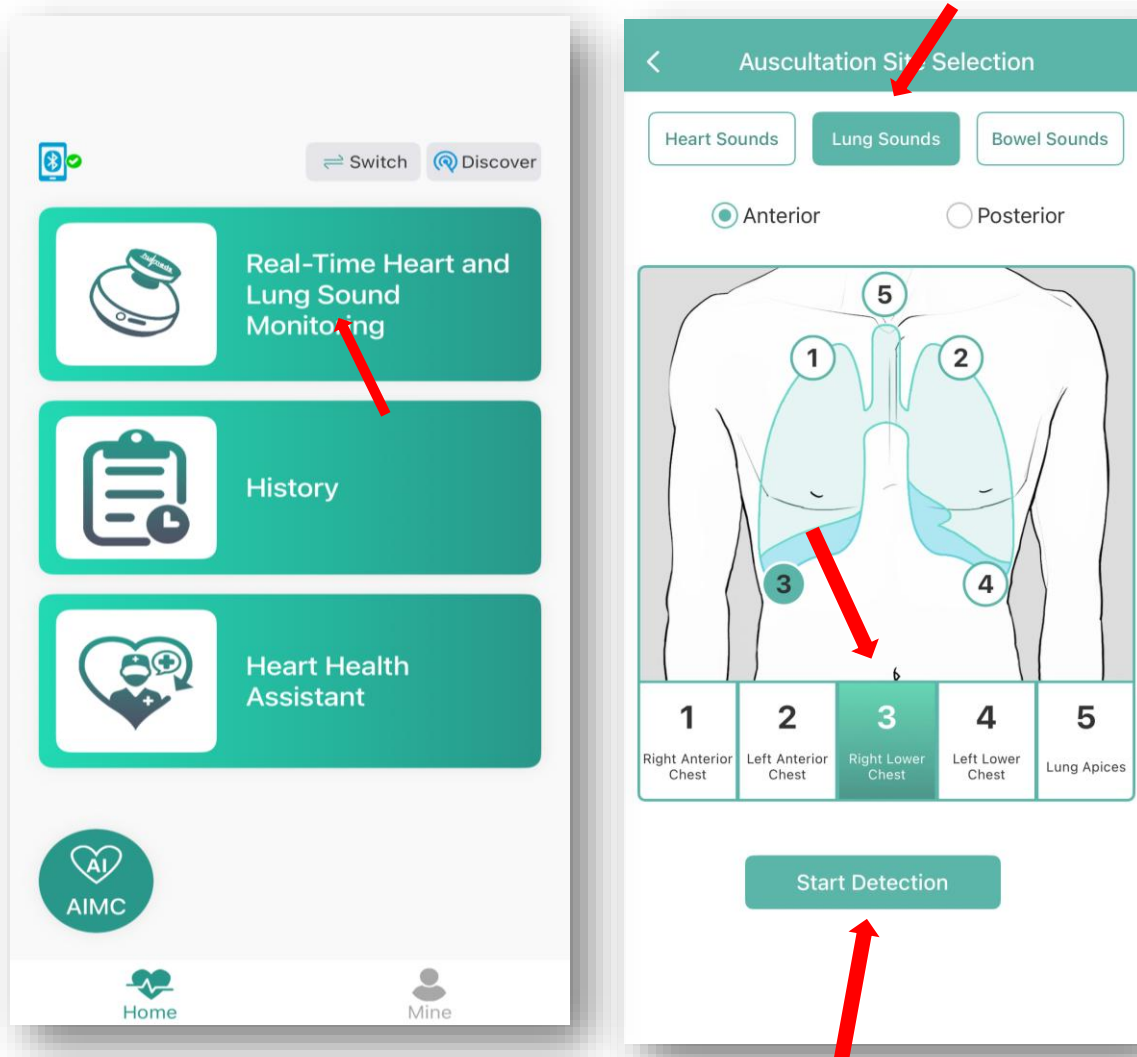
You can review the recorded heart sound chart or listen back to the recorded heart sounds.

Audio Sharing: The recorded heart sound audio can be shared via WeChat or saved.



■ Real-time lung sound detection

1. Then Click "Real-time Heart and Lung Sound Monitoring" to enter the detection screen.
2. Select "Lung Sounds", the posture of the person being tested and the position of the sound being heard click "Start Detection".
3. The following operation is the same as heart sound detection.



■ Lung Sound Analysis Report

AI Comprehensive Analysis Results:

Summarize and analyze the test results of the report to draw reference conclusions.

Respiratory Rate:

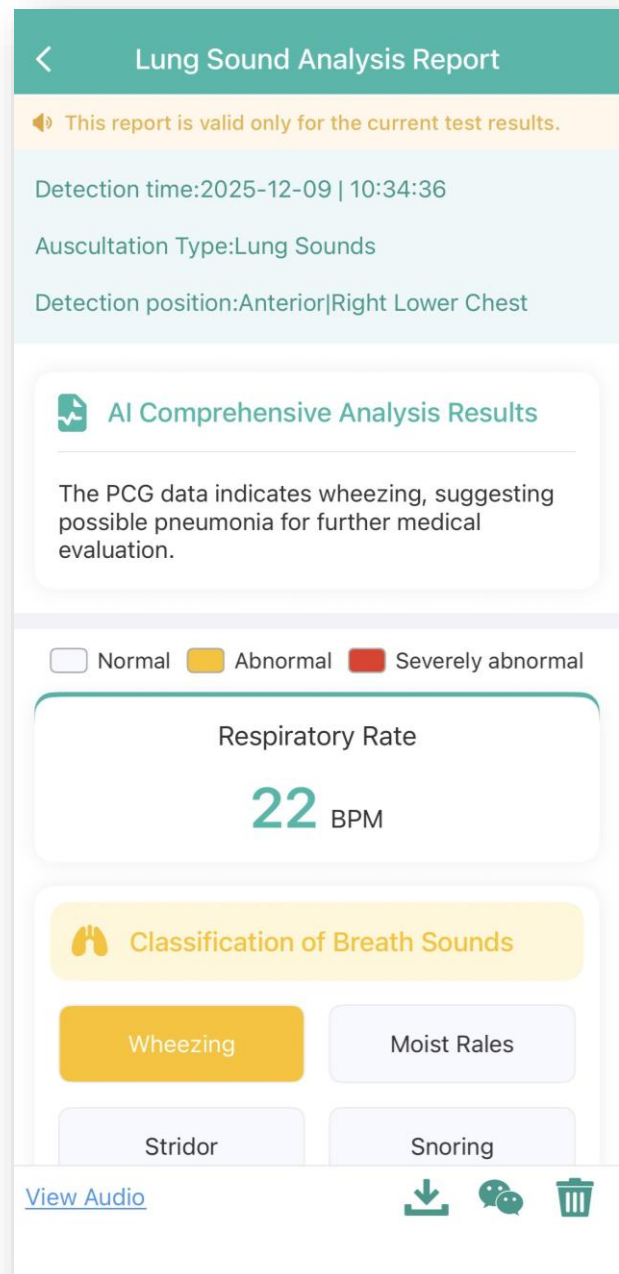
Display current respiratory rate.

Classification of Breath Sounds:

Displays the types of abnormal breath sounds that can be detected by the device.

When any of the abnormal items is detected, it will show yellow, while the abnormal items that is not detected, No

Abnormalities Found will be shown on the title.



Interpretation of results:

If any abnormal items occur, you can click on them to view the relevant explanations.

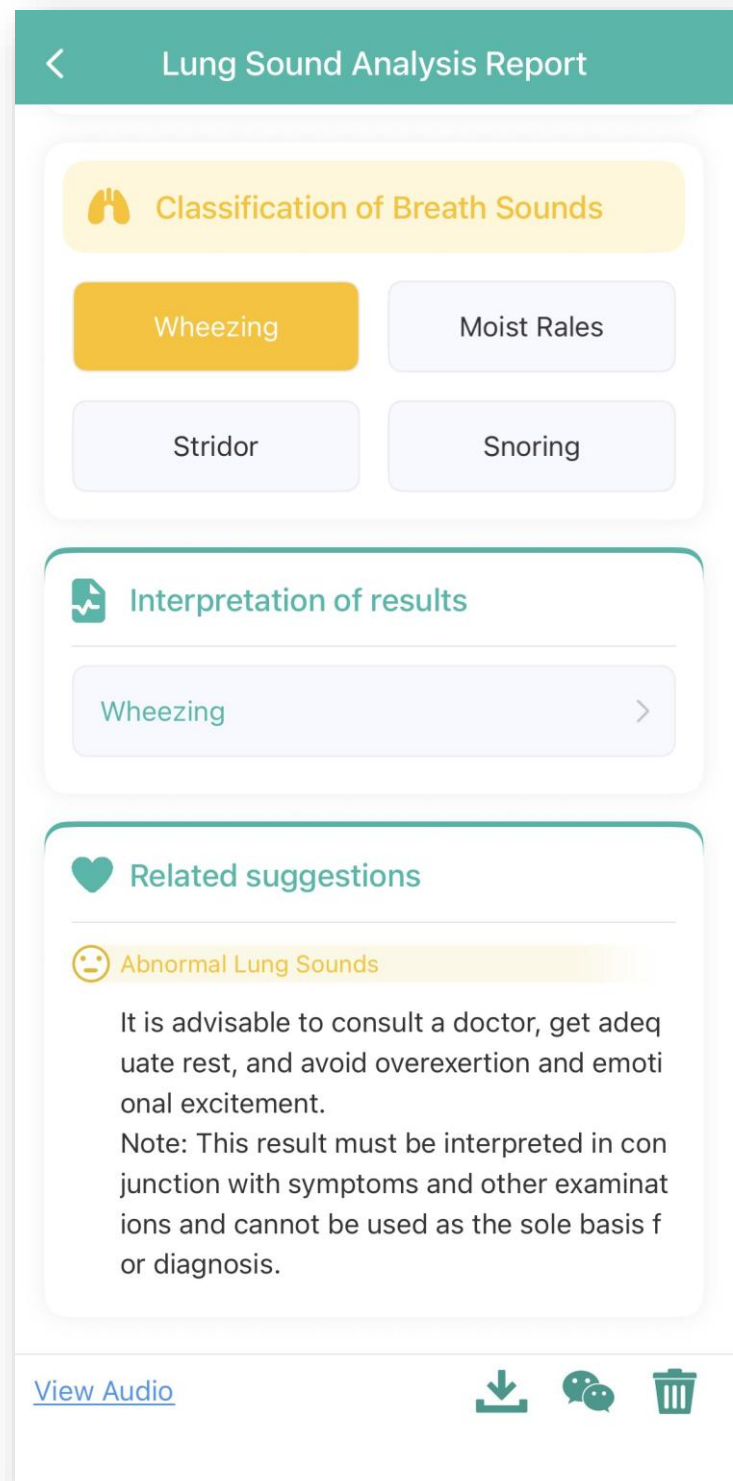
Related suggestions:

Provide suggestions based on the test results.

Download report: Click  to download the report in PDF format.

Share: Click  to share the report in PDF format through WeChat.

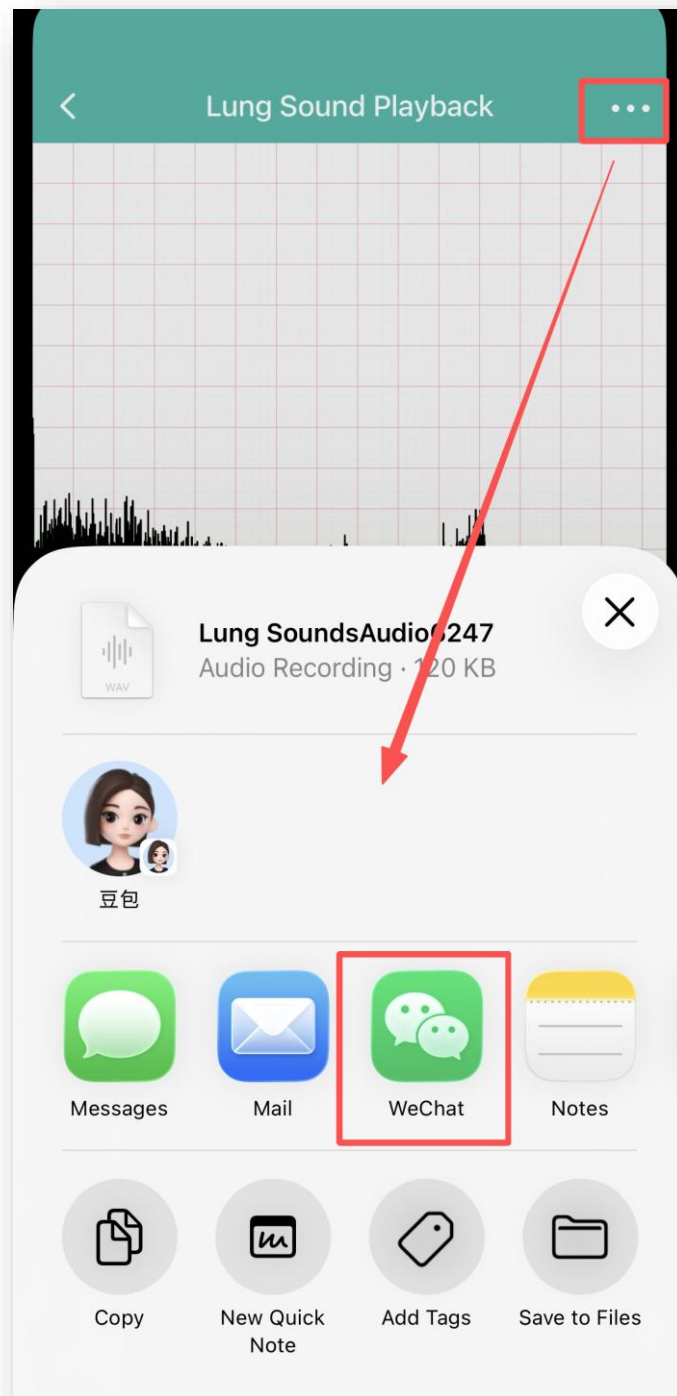
Delete: Click  to delete the current record.



View Sound:

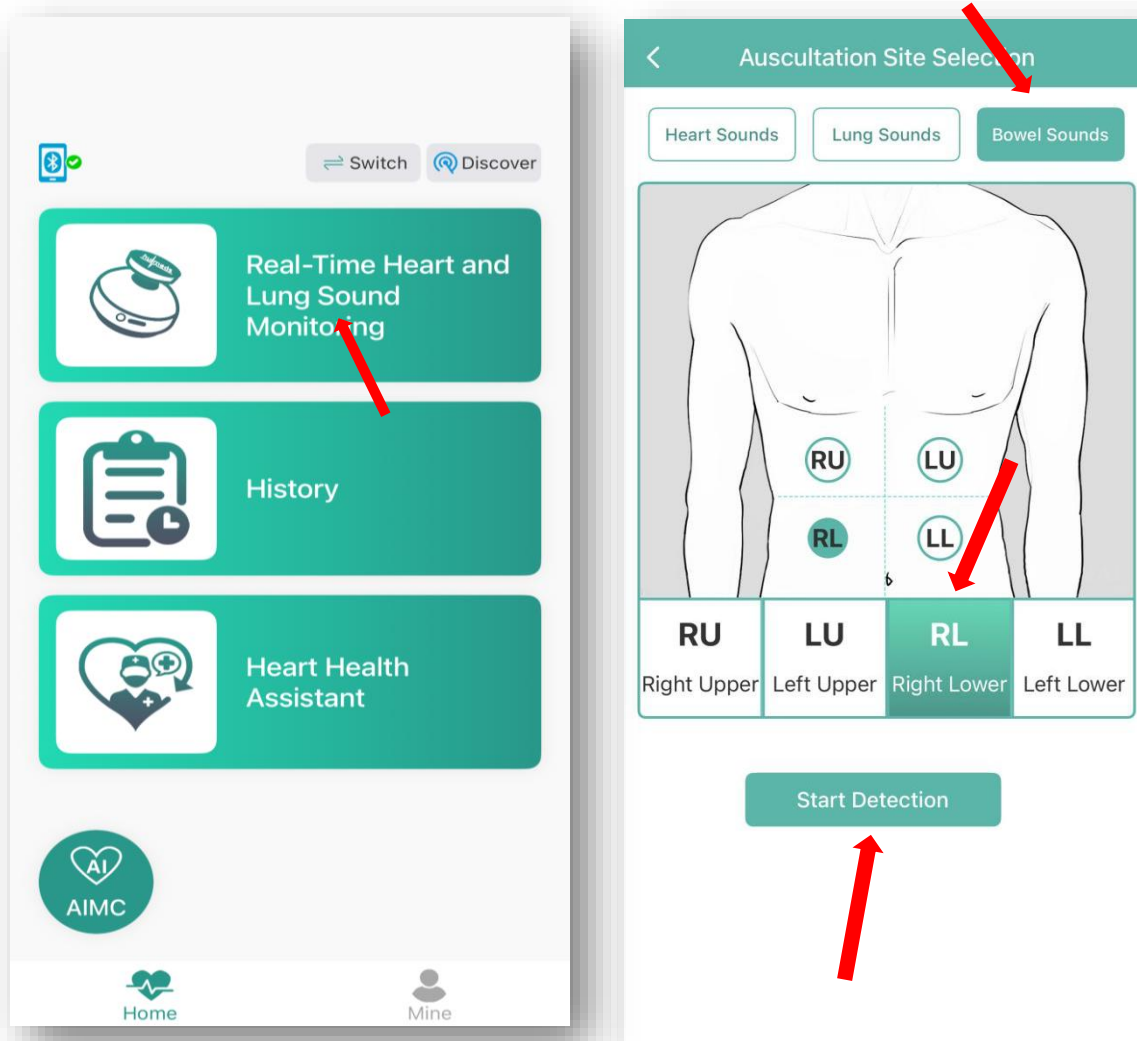
You can review the recorded lung sound chart or listen back to the recorded lung sounds.

Audio Sharing: The recorded lung sound audio can be shared via WeChat or saved.



■Real-time Bowel Sound detection

1. Then Click "Real-time Heart and Lung Sound Monitoring" to enter the detection screen.
2. Select "Bowel Sounds", the posture of the person being assaulted and the position of the sound being heard click "Start Detection".
3. The following operation is the same as heart sound detection.



■ Bowel Sound Analysis Report

Bowel Sound Rate:

Shows the current bowel motility rate.

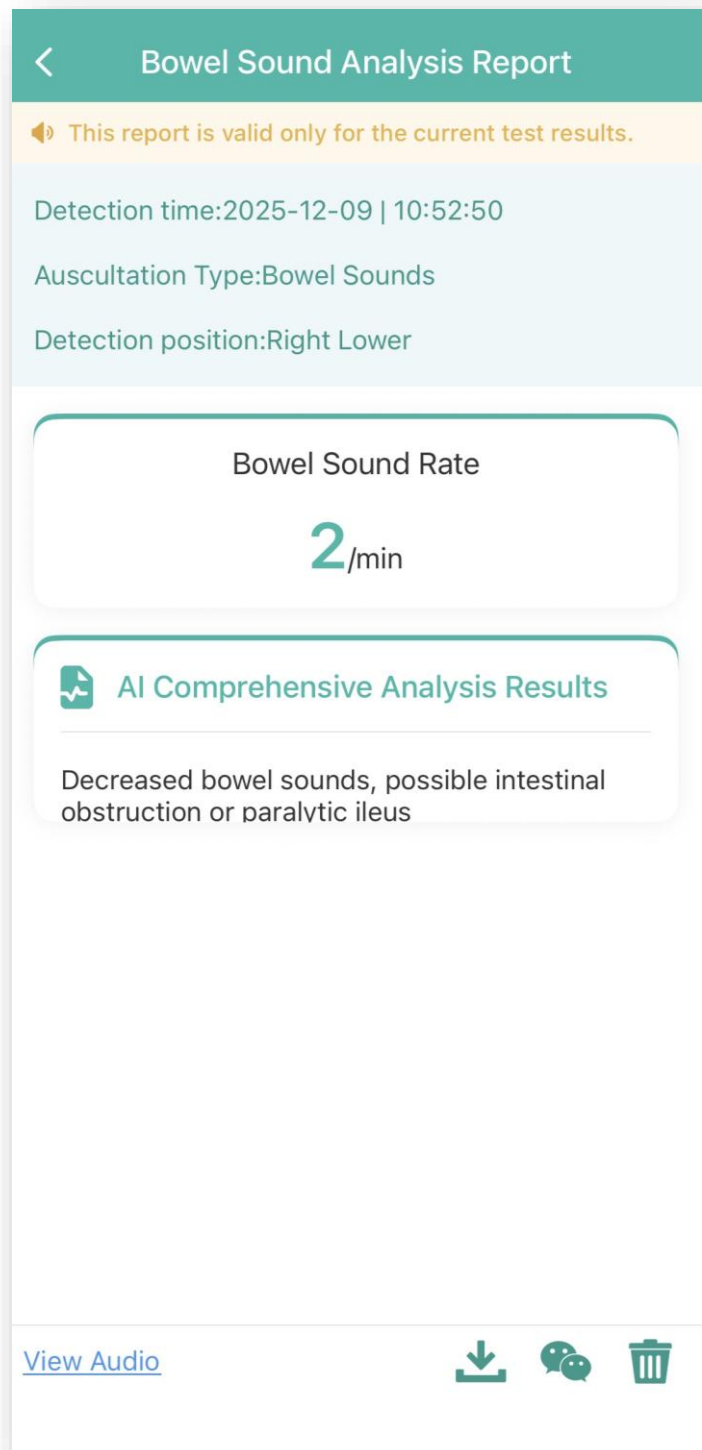
AI Comprehensive Analysis Results:

Summarize and analyze the test results of the report to draw reference conclusions.

Download report: Click  to download the report in PDF format.

Share: Click  to share the report in PDF format through WeChat.

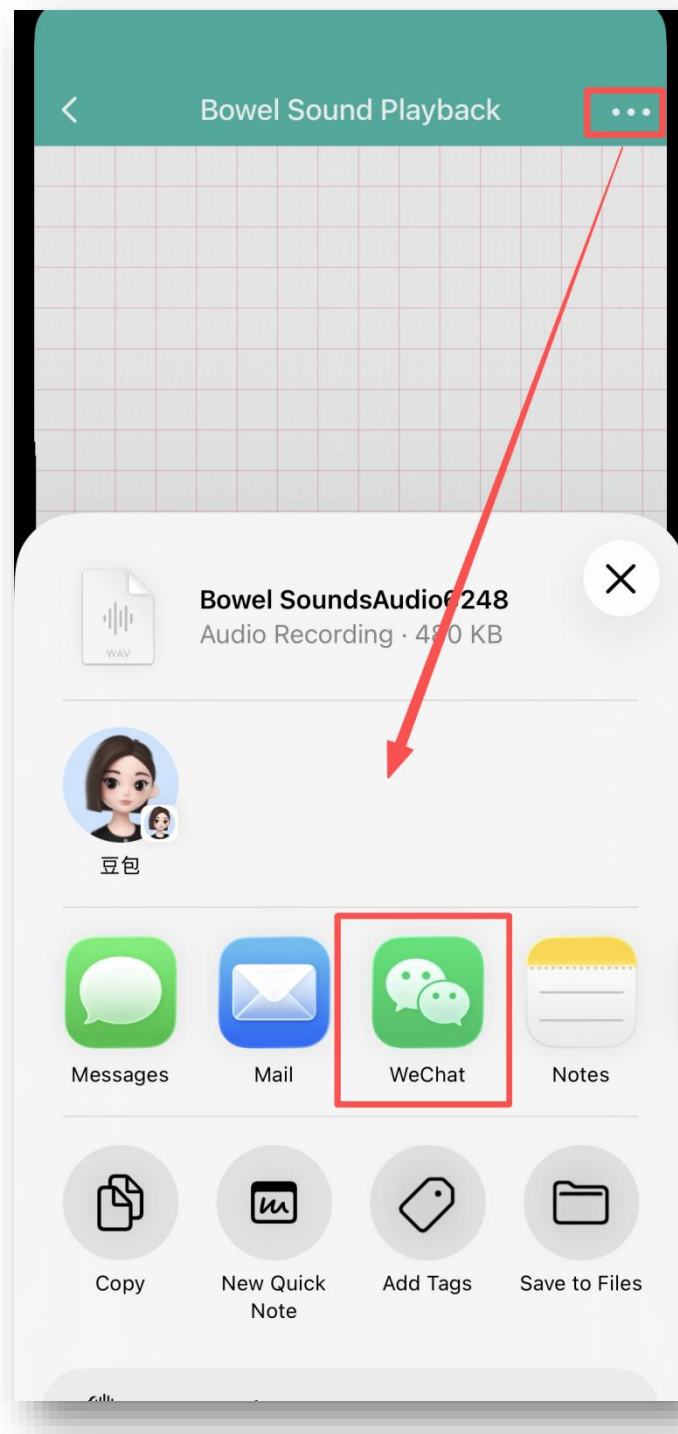
Delete: Click  to delete the current record.



View Sound:

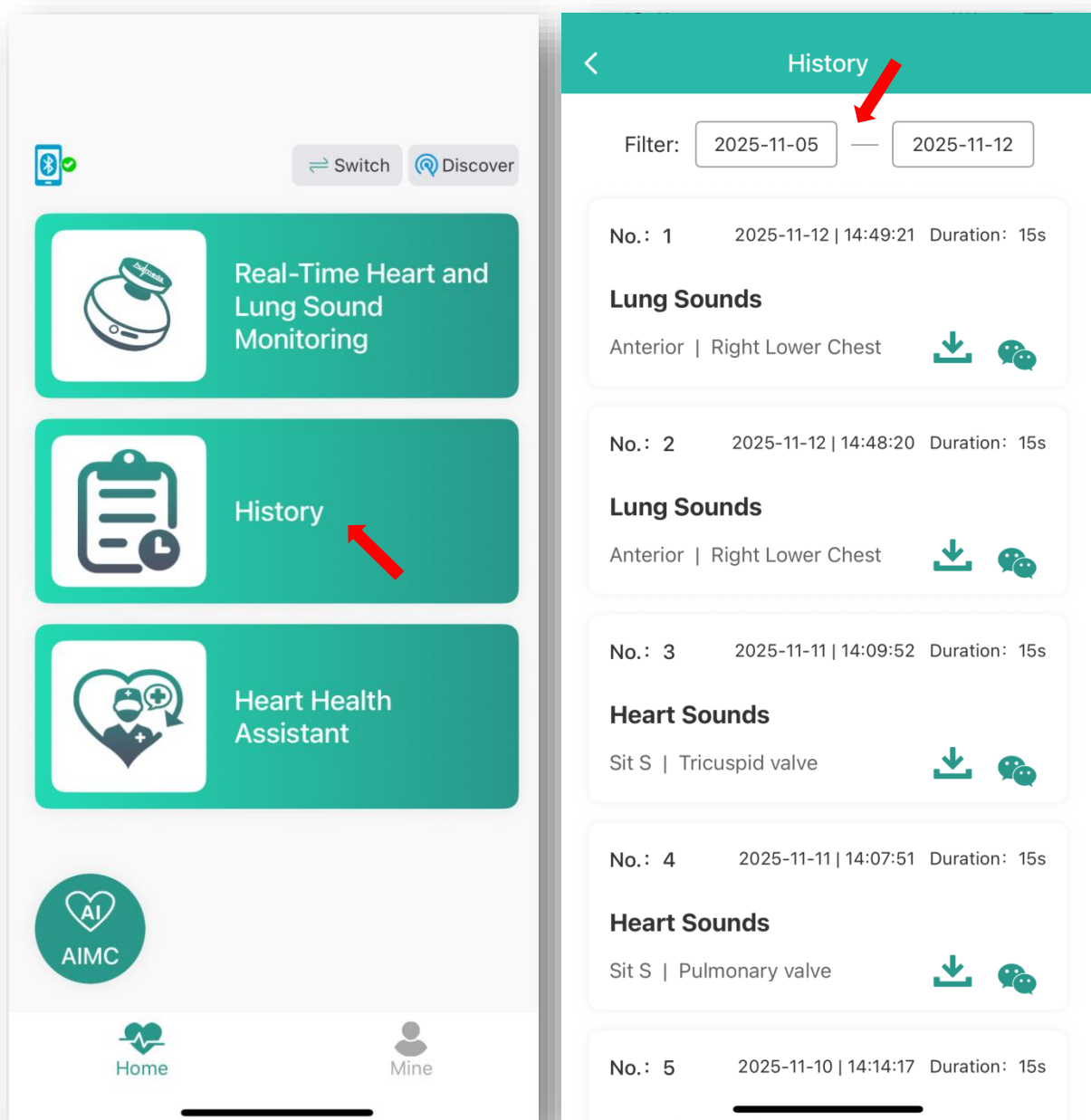
You can review the recorded bowel sound chart or listen back to the recorded bowel sounds.

Audio Sharing: The recorded bowel sound audio can be shared via WeChat or saved.



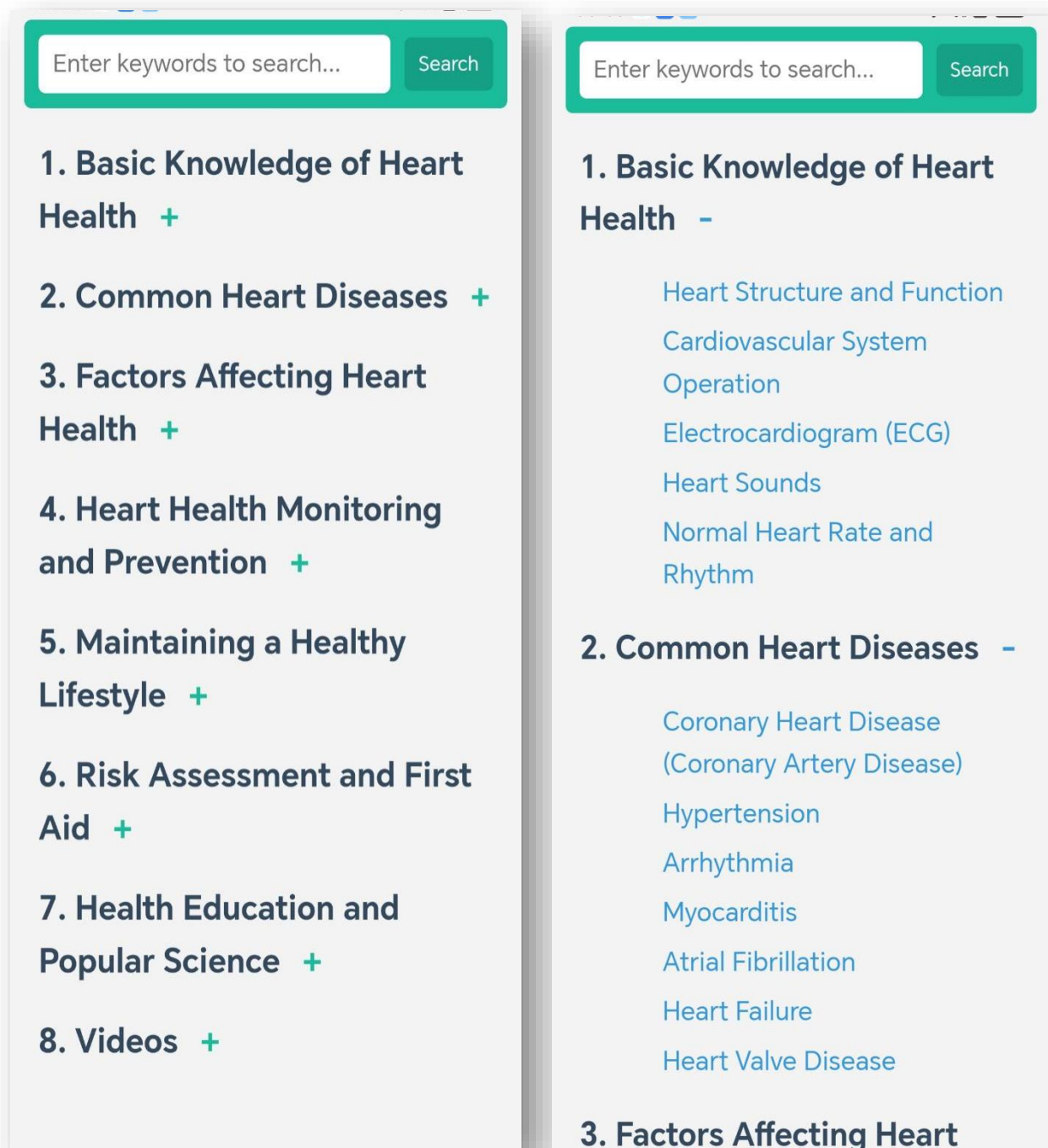
■ Historical record

You can view the recorded and uploaded heart 、lung or bowel phonograms and reports. You can set the time span to look back.



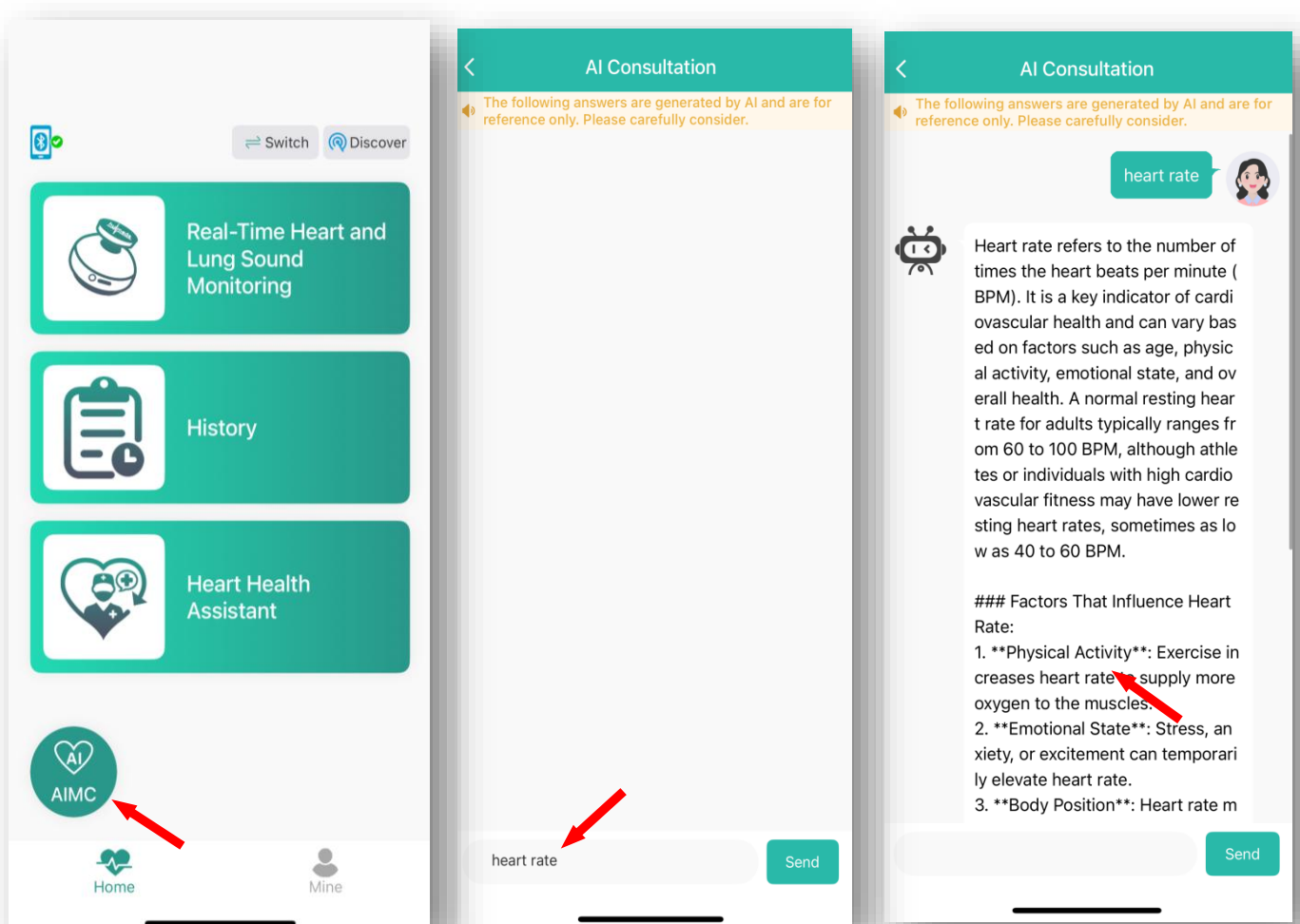
■ Heart health assistant

Provides some health tips about heart disease.



■ AI consultation

Input some questions by text or voice, and the AI consultation function will provide answers. The answers are displayed in text and can also be read by voice.



■ Setting up

Digital stethoscope signal chart:

Magnification: Adjust the magnification of the graphics in the heart, lung or bowel sound chart display and recording interface.

Digital stethoscope recording time:

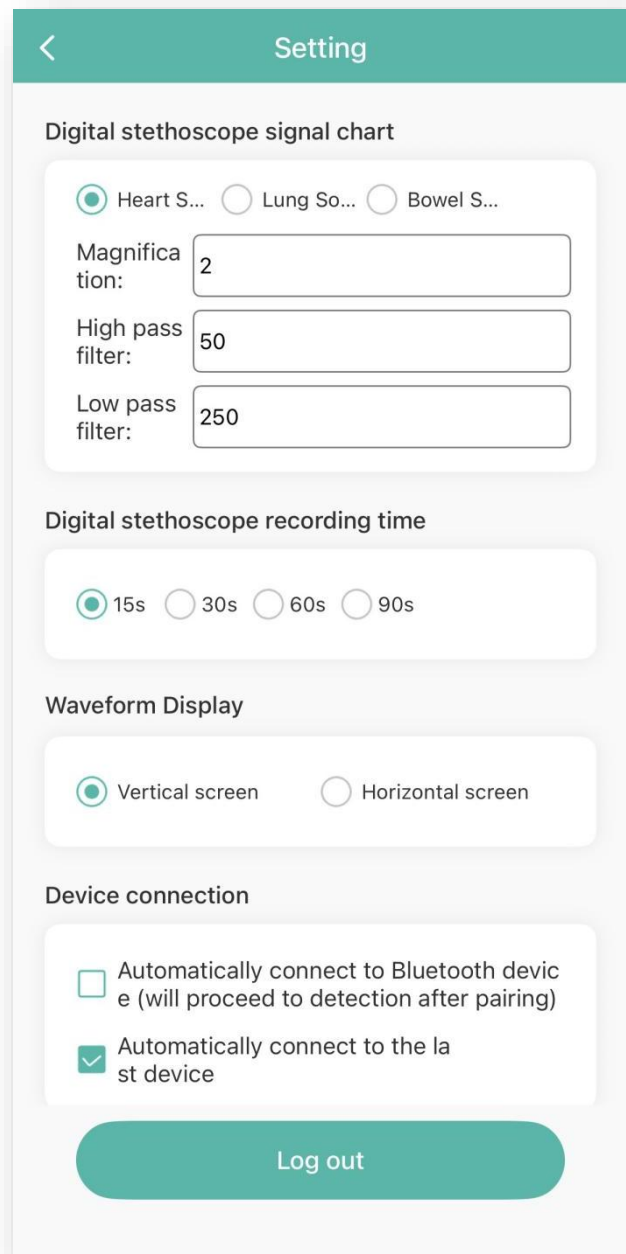
You can set different recording lengths, and automatically stop recording when the time is up.

Waveform Display:

The display mode of real-time detection can be set to vertical display or horizontal display.

Device connection:

Determine whether it automatically redirects to the



Setting

Digital stethoscope signal chart

☒ Heart S... ☐ Lung So... ☐ Bowel S...

Magnification:

High pass filter:

Low pass filter:

Digital stethoscope recording time

☒ 15s ☐ 30s ☐ 60s ☐ 90s

Waveform Display

☒ Vertical screen ☐ Horizontal screen

Device connection

☐ Automatically connect to Bluetooth device (will proceed to detection after pairing)

☒ Automatically connect to the last device

Log out

detection interface after connecting to the Bluetooth device and whether it automatically connects to the last connected device after logging in.

Upload Test Data:

It can be set whether to automatically upload the detection to form a detection report after the real-time detection is completed.

FCC Statement

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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.



This product is produced by Humeds Health Technologies Corp.

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Email address: support@humeds.com.cn

Production address: Unit 12 & 05, 3rd Floor, Building 24, No.388
Xinping Street, Suzhou Industrial Park, Suzhou Area, China
(Jiangsu) Pilot Free Trade Zone