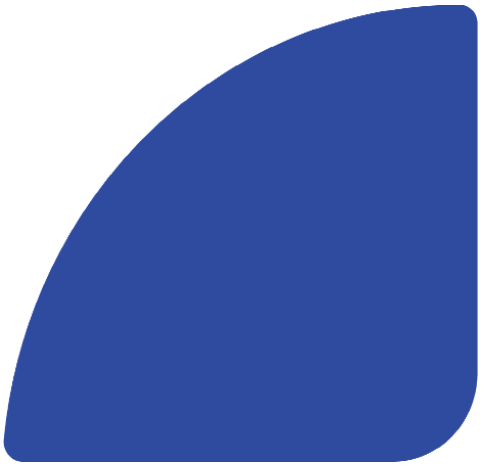
AETHER DIGITAL PLATFORM
MOBILE APPLICATION INSTRUCTIONS

For Patient

Version 6.0 / 2025.06.12



Zeus A-209130
Modes
Mode 1
Mode 2
Mode 3
Active Grip
Edit
Power
Precision closed
Precision open
Rest opposition
Trigger
Close
Home
Support
Settings

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1. GENERAL INFORMATION

- We highly recommend reading this document carefully before installing the software
- This document contains information about the proper and safe use of the software.
- This document is regarding Aether Digital Platform Mobile 1.10.0 mobile [M-ADP] software application.
- We highly recommend keeping this document in a safe place.
- If you have any questions about the product, please use the contact form on our website: www.aetherbiomedical.com
- Aether Digital Platform Mobile must be accessed via iOS (iOS 15.1 or higher) or Android (Android 8.0 or higher) and requires bluetooth and internet connection.

2. INTENDED USE

The Aether Digital Platform Mobile [M-ADP] is intended to monitor the usage of the device and access settings of the Zeus (prosthetic hand class I device) as well as remote- ly contact with the clinician. The software provided by Aether Biomedical is designed exclusively for the Zeus hand, requires bluetooth and stable connection to the internet.

⚠ Warning!

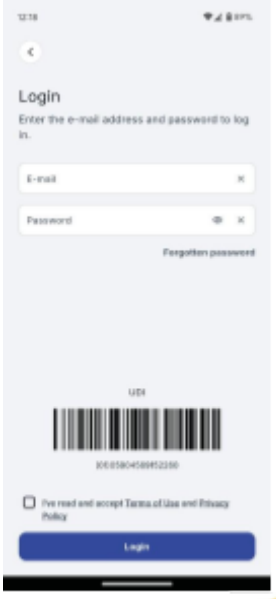
- Avoid moving the hand during connection to the device and during installing/ restoring of new configuration, configuration changes during the session with clinicians.

3. INSTALLATION AND FIRST LAUNCH

Aether Digital Platform Mobile can be downloaded and installed from:

- Google Play https://play.google.com/store/apps/details?id=com.aether.zeus&hl=pl
- Apple Store https://apps.apple.com/us/app/aether-digital/id1616477087

3.1 Logging in

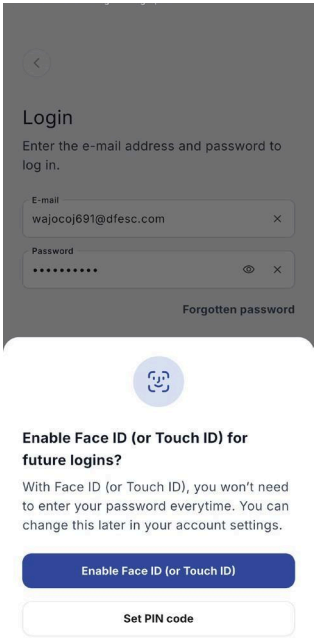


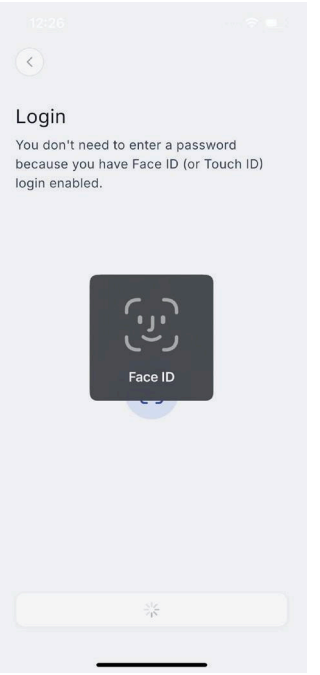
- To log in you should use your email and password provided by your clinician. Additionally, Terms of Use and Privacy Policy have to be accepted if you wish to proceed.
- To reset your password, you should type your email address. The instruction on how to proceed will be sent to your email. If you don't receive it within a few minutes, check your spam folder.

3.2 Allow Necessary Permissions

After initial login, the user will be asked to set certain preferences for

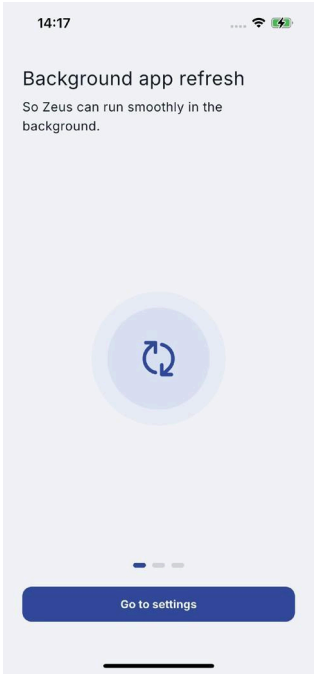
- Logging in with biometrics (fingerprint or facial recognition) allows you to quickly access the app without the need to enter your login and password each time.

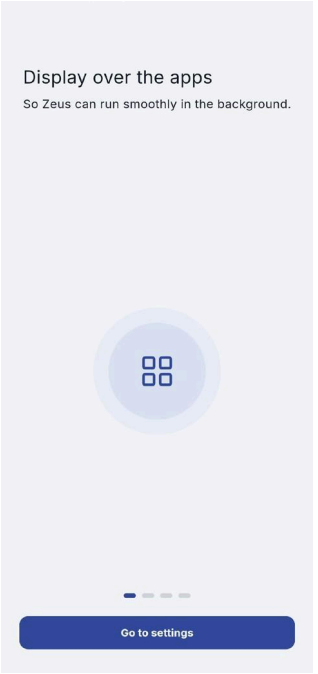


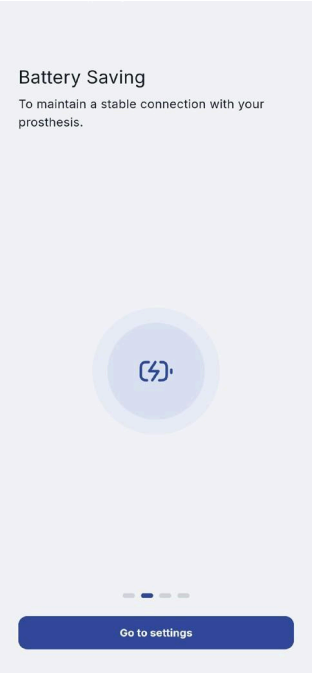


For the application to function properly, it is necessary to accept the required permis- sions as indicated on your phone screen.

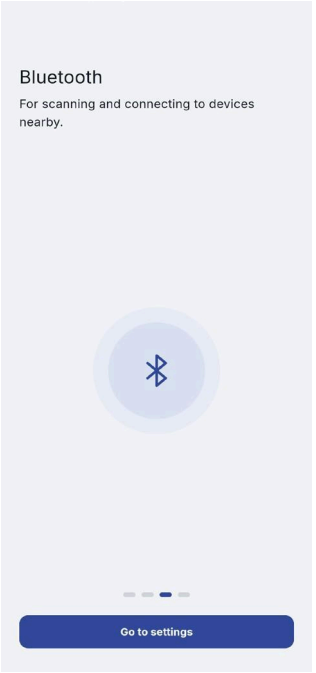
- On iOS:
  - Background app refresh
- On Android:
  - Display over apps
  - Battery optimization

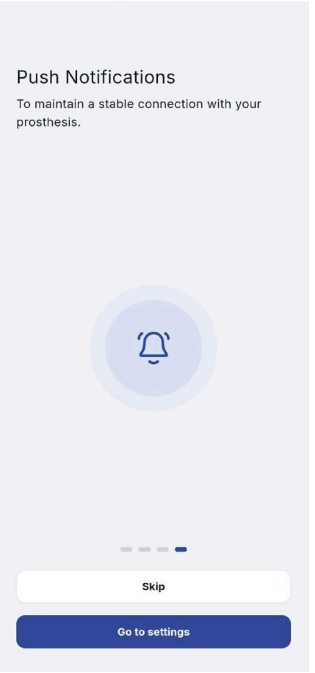






- On both platforms:
  - Bluetooth
  - Push notifications (Optional)

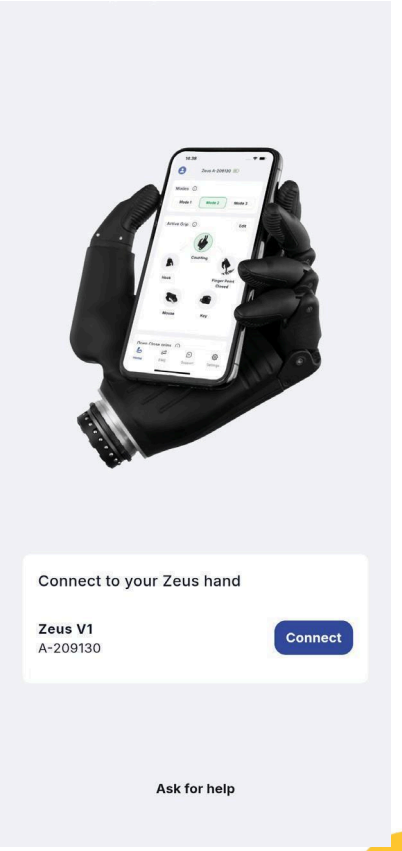




Once this is done, the patient will see a screen with "Success!" and a selection bar "Go to the application".

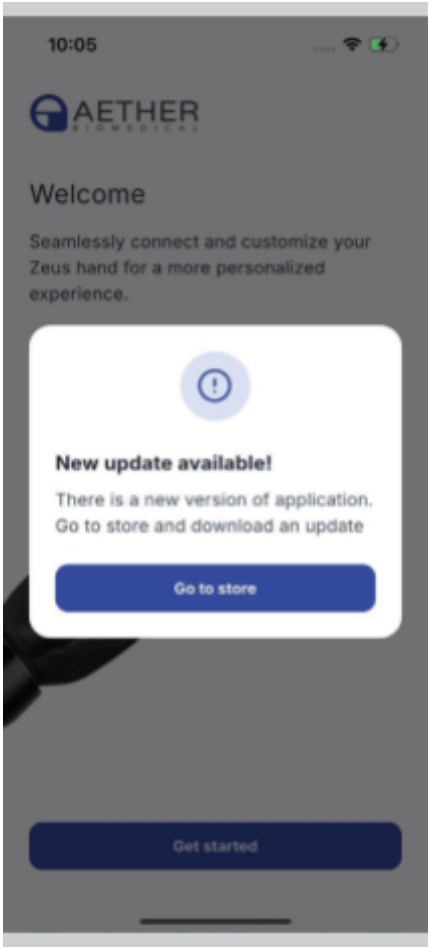
3.3Connect to your Zeus Hand

Aether Digital Platform Mobile requires you to connect to your prosthetic hand. You should make sure that your prosthesis is turned on and bluetooth (and location for Android users) on your phone is enabled. After completing the permission acceptance process, you will see a screen with a list of devices assigned to your account. Click the "Connect" button to pair with your device. If your device does not appear on the above screen, please contact your clinician to ensure it has been assigned to your patient account.



3.4 Update notification if a new App was published

When a new version of the application is released, you will see an appropriate message after activating it. An application update is required for its proper operation. Follow the instructions on the screen.

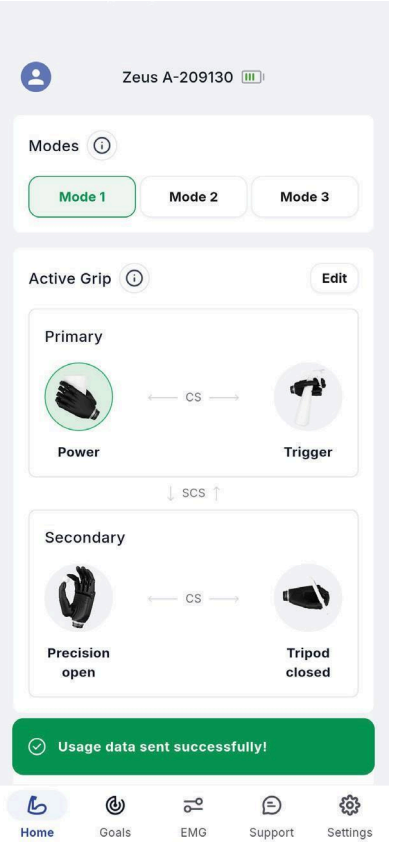


4. HOME

4.1 Sending Device Usage Monitoring Data (DUM)

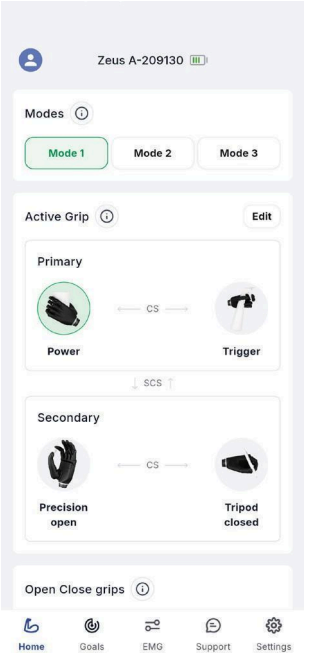
When the Mobile App is first connected to the Zeus Hand, it will look to retrieve usage statis- tics from the Zeus Hand and send these to the ADP application in the background.

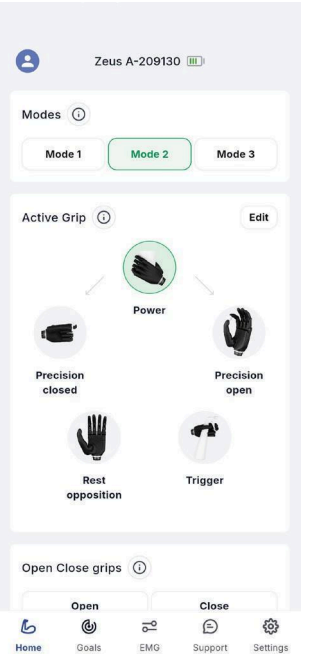
Note: Do not navigate off the App while the data is uploading.



4.2 Modes

Modes represent different configurations saved in the device. They can be switched using buttons with corresponding mode name in the upper-center part of the screen.



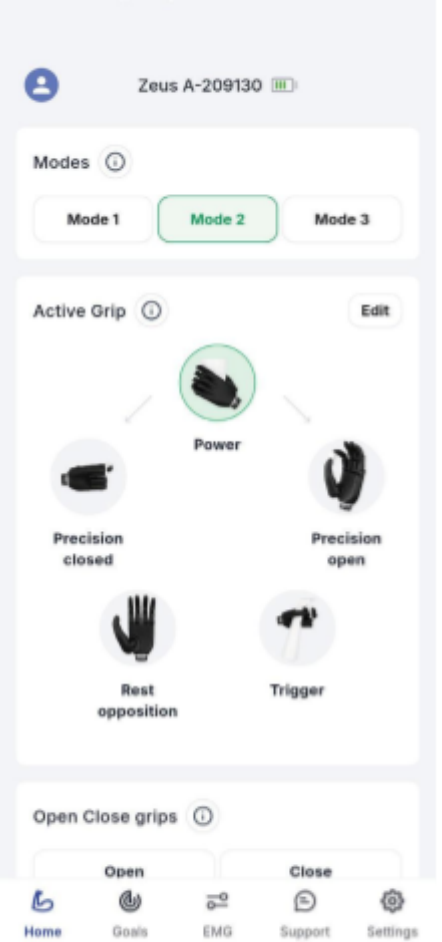


Each mode holds the following parts of configuration:

- Grips order
- EMG settings
- Speed control strategy
- Grip switching mode
- Co-contraction/pulse/hold-open timings
- Soft-Grip settings
- Input sites

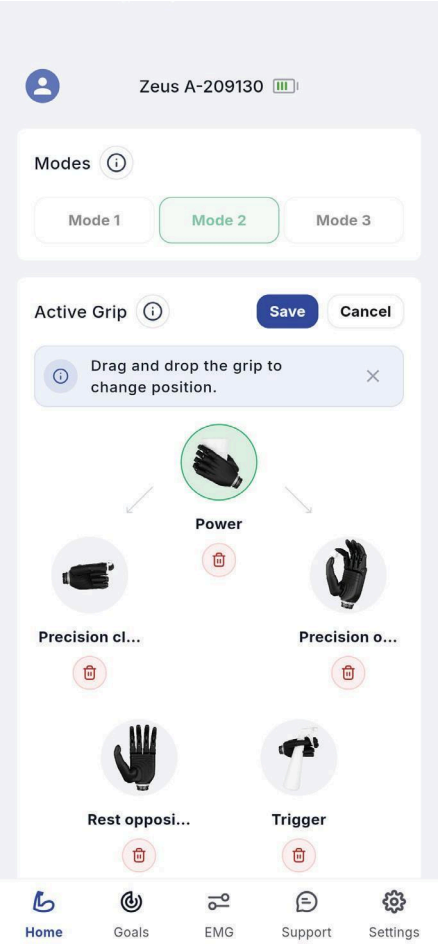
The remaining configuration parts are not stored in a mode, and as such are common for all modes:

- Grips fingers positions



4.3 Grips

From this screen you can check the current Grip settings and make changes to their order. Active Grip is highlighted in green.

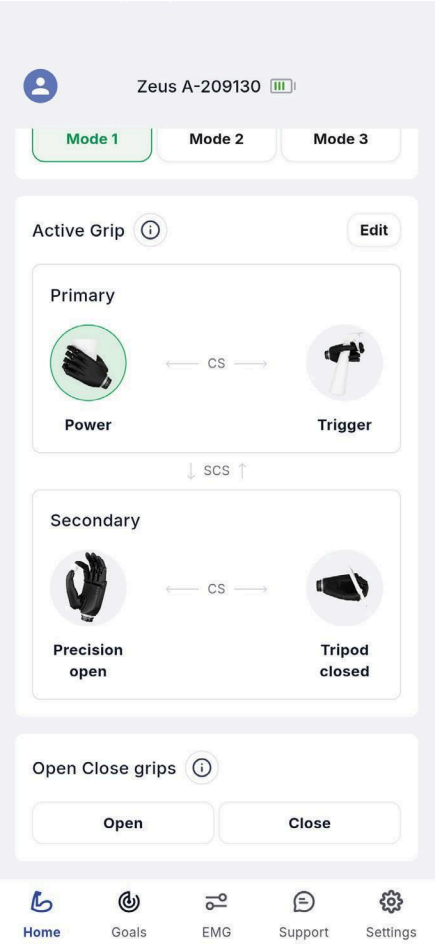


4.4 Open and Close

Hand Action

From the mobile phone you can trigger the relevant action in your hand:

- Open- it is possible to open the hand with the ”Open” button
- Close - close the hand with the ”Close” button



5. EMG

5.1 Check EMG signals

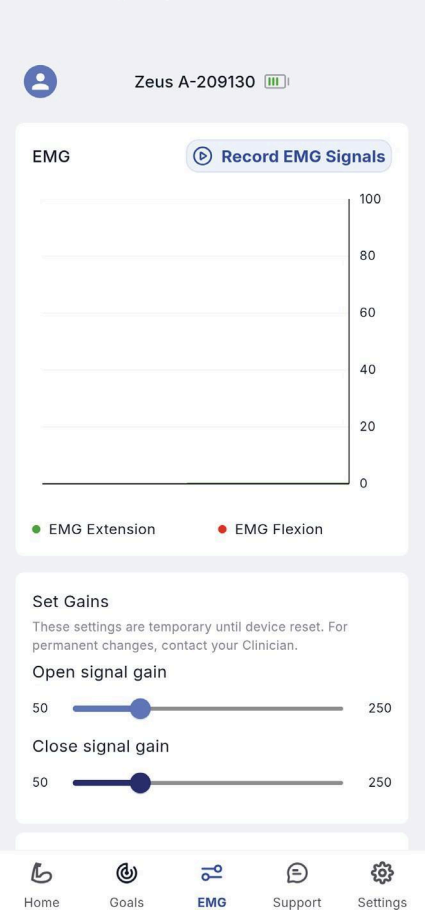
In the EMG screen you can see the graph depicting real-time signals from your muscles.

On the right side there is a scale with numbers representing strength of the signals. On the graph can be seen two coloured lines: opening EMG (green) and closing EMG (red).

Set Gains: Adjust the boost of the EMG gains to experiment with ease of control. These gains are not saved in the hand once the hand is turned off and on.

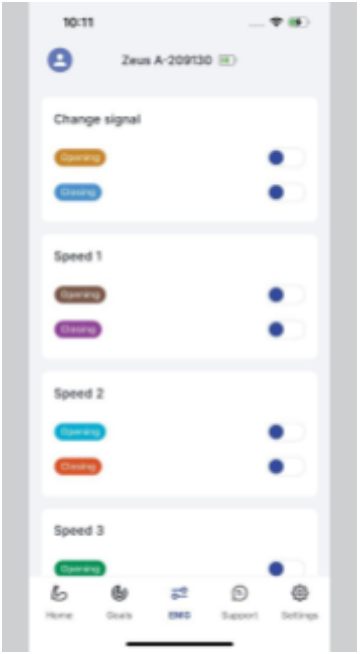
To have these boosted gains permanently saved in the hand, contact your clinician.

-Requires firmware 2.2.0 or higher.

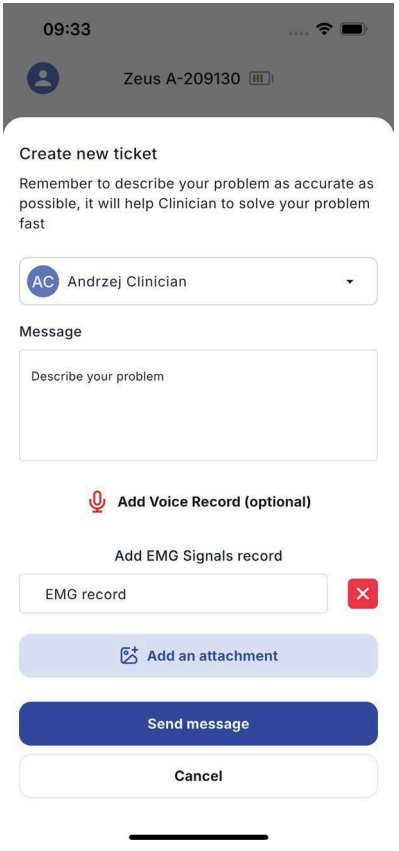


Sliders turn on and off visual cues for various thresholds:

- Change signal
  - Opening (orange): minimal threshold for recognizing signal as opening Change Signal
  - Closing (blue): minimal threshold for recognizing signal as closing Change Signal
- Speed 1,2,3 (speeds 2 and 3 are only used with Proportional Speed control strategy)
  - Opening (brown, turquoise, green): minimal threshold for recognizing signal as opening for threshold 1,2 or 3
  - Closing (purple, yellow, pink): minimal threshold for recognizing signal as closing for threshold 1,2 or 3
- Full power
  - Closing (dark blue): minimal threshold for recognizing signal as closing, used for Soft-grip functionality
- Thresholds can be adjusted by clinician only.



5.2Record EMG Signals

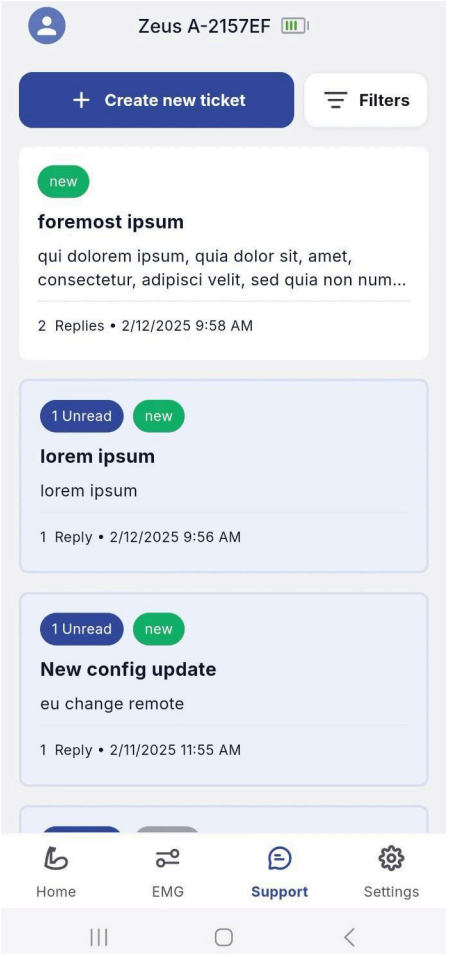


If there is a problem with the hardware or software of the prosthesis, a configuration change is needed, or if you have a question that needs an answer you can contact your clinician by tapping ”Ask for support”. In case you want to attach recorded EMG signals, tap ”Record EMG signals” first. All the Support tickets and messages are stored in your inbox. If there is a new firmware you can check if it’s available by tapping ”Check for updates”.

When this screen is active the EMG signals will be visible on the graph and the signal will be recorded. To finish recording, tap ”Stop recording EMG”. It will automatically redirect you to ”Ask for support” screen with your data attached.

6. SUPPORT

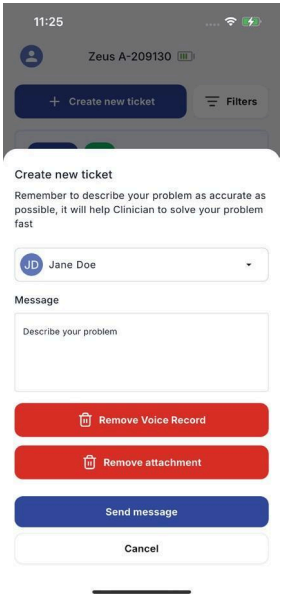
In this screen you can ask for clinician support. You can send a message to your clinician by clicking the "Create new Ticket" button.

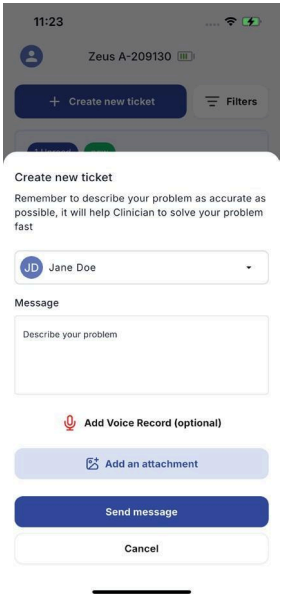


In the description box you should specify a request or a problem that has occurred, preferably describing what led to it, what is happening and what your desired outcome would be. You can also record a voicemail message by clicking "Add voice record (optional)".

Tap the microphone icon to start recording your audio message. When finished recording hit "Stop recording".

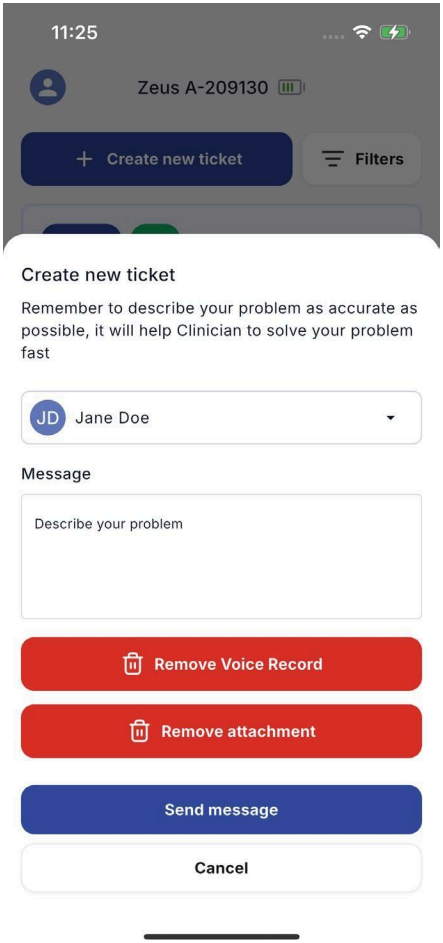
In case you want to attach screenshots, pictures or videos you can use the "Add attach- ment" button. The file (.jpg, .png, .gif) should not be larger than 100 Mb.





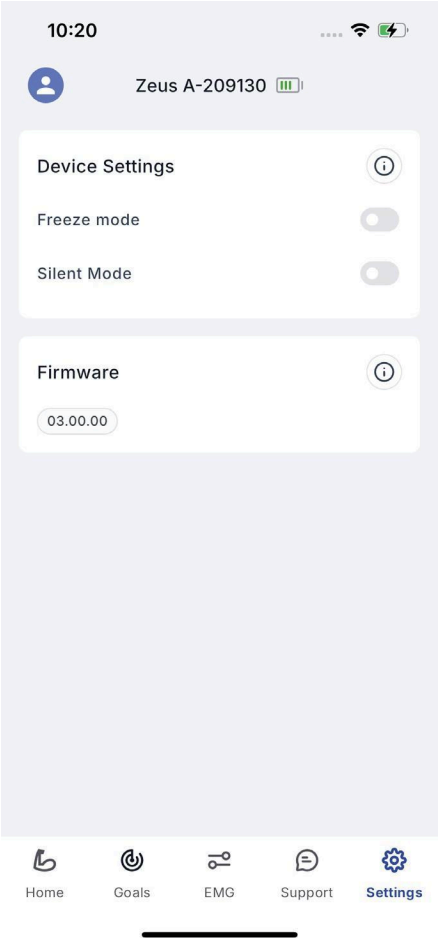
After filling out all required information, a ticket will be sent after tapping the "Send message" button and you will be informed by a pop-up that the message was sent successfully

Select "Add attachment" to add a file from your photos or videos folder on your mobile device. Once selected you will see the file name below next to red X. To delete the file you press the red X button. Hit "Send message" once complete.



7. SETTINGS

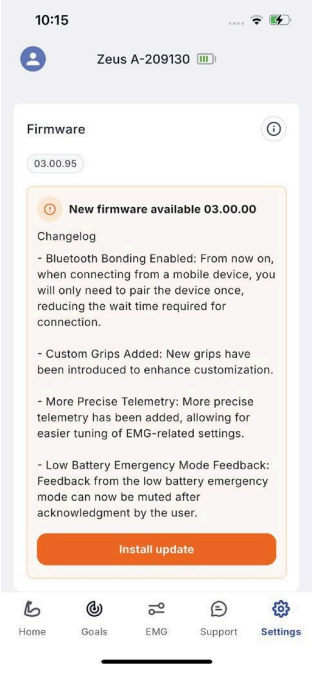
In the Settings tab, you can enable or disable Freeze Mode and Silent mode, and check if a new firmware update is available for your device..



7.1 Update your Firmware

If a new version of Zeus hand firmware is avail- able, you will see a message indicating this.

Before starting update, the Zeus hand and mobile app have certain prerequisites.

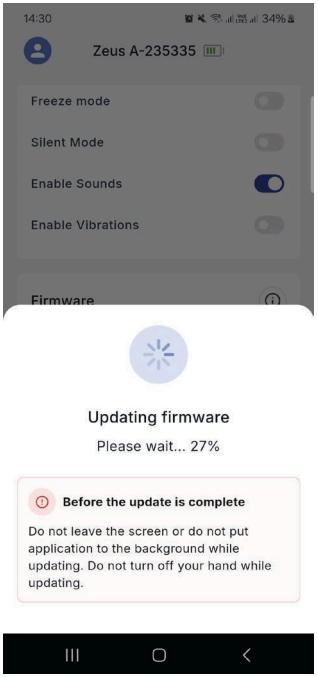


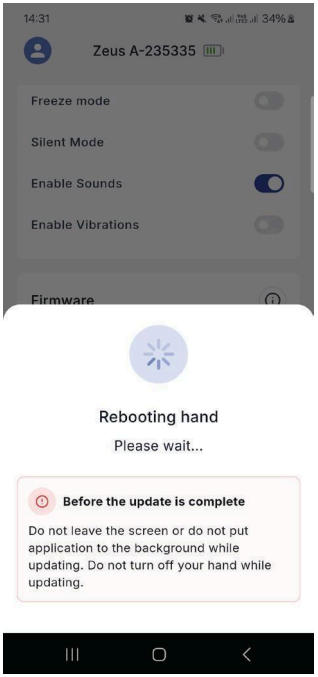
As the firmware updates, the progress update is shown to the user. Once the firmware has been updated, the Zeus hand will reboot and a message will appear.

Other messages that will appear during this process are

- softgrip calibration
- finger speed calibration

Upon successful completion of the Zeus Hand firmware update, the user will receive the following message.

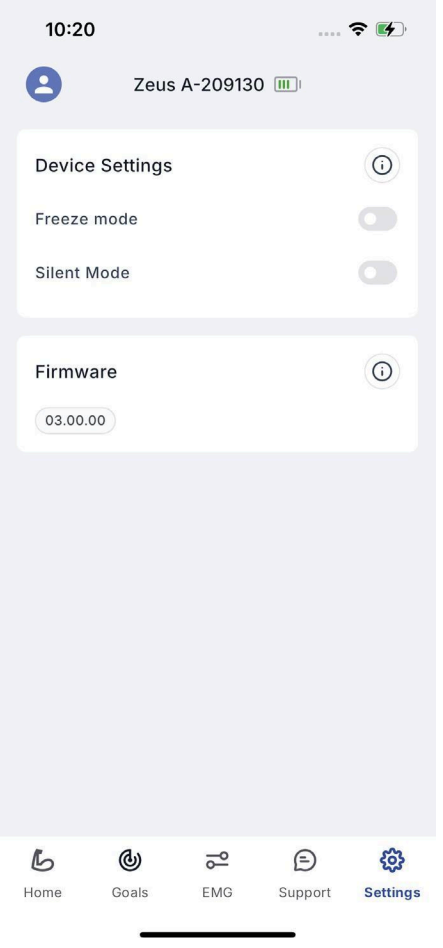




7.2 Device Configuration

Freeze mode (switched on to right, switched off to left) is a mode that blocks prosthesis from moving. It is a useful feature for testing user signals without draining battery, distraction or risk damaging the device.

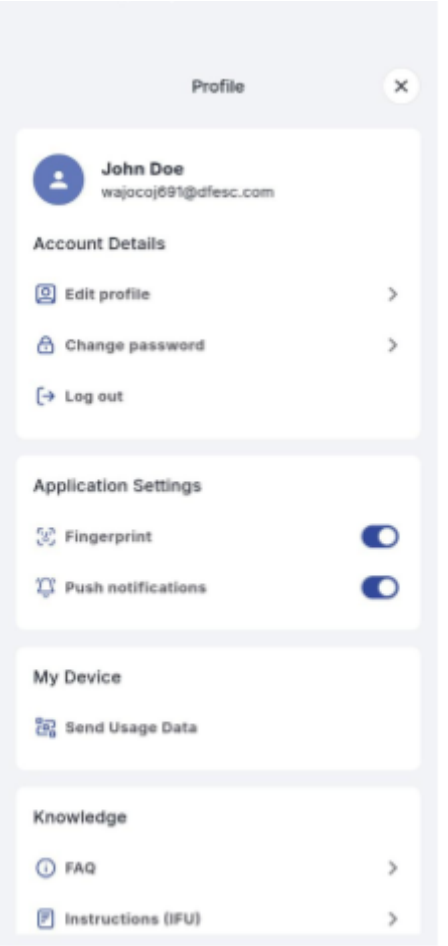
Silent Mode (switched on to right, switched off to left) is a mode that turns off beeping and vibration for the device. It's useful when you don't want to be disturbed by the sound emitted by the device (i.e. in a cinema).



8. PROFILE

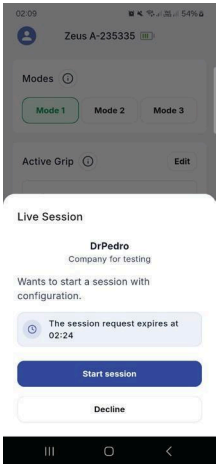
From this screen, users can manage their account details and application settings:

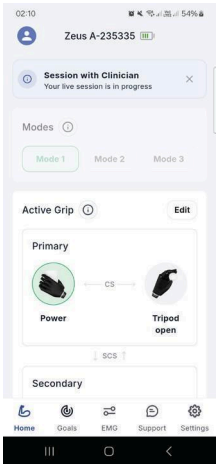
- Account Details:
  - Edit profile information.
  - Change the account password.
  - Log out of the application.
- Application Settings:
  - Enable or disable fingerprint authentication.
  - Toggle push notifications on or off.
- My device:
  - Send usage data to Clinician.
- Knowledge:
  - Access frequently asked questions (FAQ).
  - View detailed instructions (IFU) for using the application.

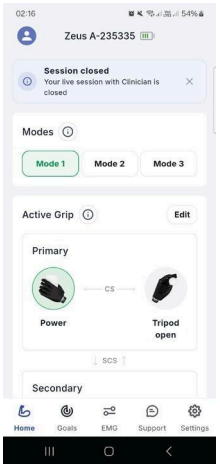


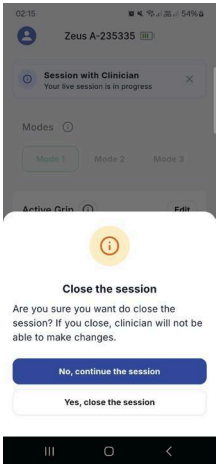
9. REMOTE SESSION WITH CLINICIAN

The clinician can create a session request which will display on your screen. You should make sure that your prosthesis is powered on and is connected to the mobile appli- cation before session starts. Additionally your internet connection should be checked. Session can be accepted or declined by tapping corresponding buttons. If no action is taken, the session request will expire. The expiration time is display ed in a gray box in the center of the screen. During the session, the clinician will see EMG signals in real time and will have access to all of the hand settings.

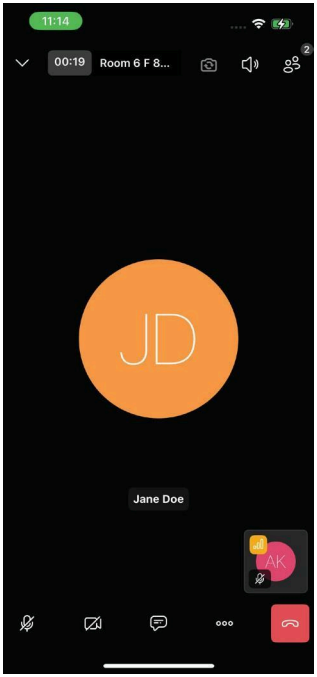


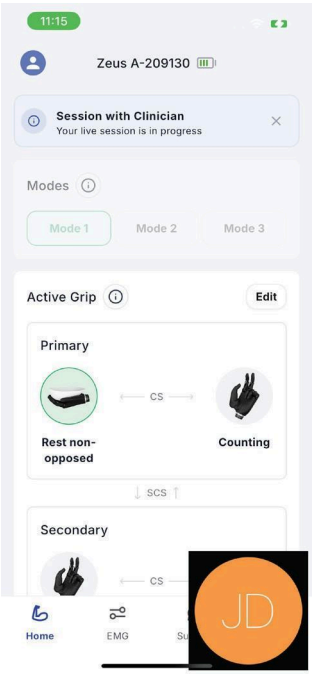






- After the session starts you should the Digital Mobile to record audio and video by clicking "Allow" on the pop-ups. On the bottom of the screen are control buttons:
  - Mute/unmute microphone
  - Turn on/off camera
  - Chat
  - Settings
  - Disconnect button



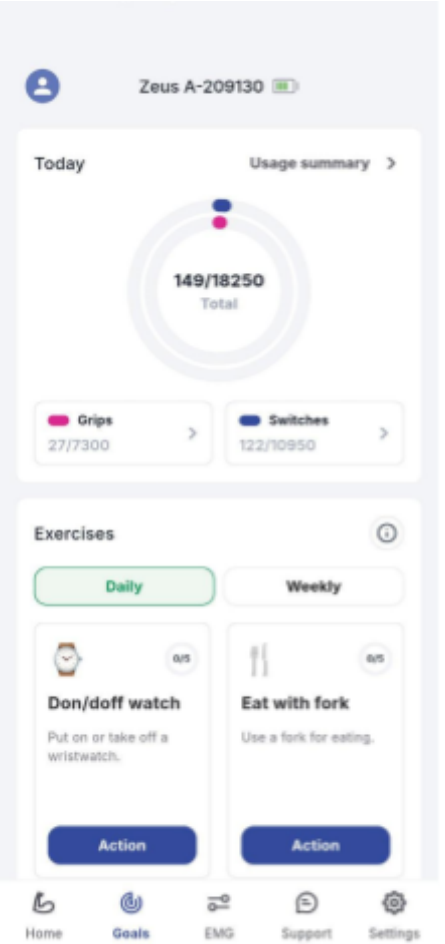


- After the session is done and a new configuration has been created, you should confirm it by tapping “Save”. You will be redirected to the “New hand configura- tion” screen. If declined, the configuration will be stored in a ticket.

10.GOALS

Allied Health and Clinicians can set up goals for patients and monitor their progress. Goals can be set up for 3 activities:

- Grips: are reported automatically to ADP when a patient connects a mobile app to hand.
- Switches
- Exercise (list available in ADP): need to be reported by patients in mobile app.
    - Grips and switches are report- ed automatically to ADP when a patient connects a mobile app to hand. Exercises need to be reported by patients in mobile app. Clinicians can check progress for each goal in ADP and see if patients reported any issue with exercise.



If the clinician sets a goal for you, the main view in the application will be your statistics.

- On this screen you can check what goals you have set for grips and switches and what exercises and with what frequency you should perform them.

By clicking on the arrow next to grips or switches you can see the details.

- By clicking ”Action”, a window appears in which you can mark whether you successfully completed the exercise. This is very important because it will allow the clinician to track your progress.

Clicking on ”Daily”/”Weekly” shows exercises at the frequency specified by the clinician By

clicking on Today’s progress you can check today’s statistics.

11. TROUBLESHOOTING

In case of questions please contact your clinician. In case of any bugs or problems, you should send an e-mail to support@aetherbiomedical.com.

In the email message you should specify a question or a problem that has occurred, preferably describing what led to it, what is happening and what your desired outcome would be.

Screenshots as attachments can be included to increase the speed in resolving a problem.

11.1 Removing software from use

You can easily delete apps from your Android phone and iPhone. If you change your mind, you can download the deleted app again.

Deleting apps from your Android phone:

1. Open the Google Play Store app.
2. At the top right, tap the Profile icon.
3. Tap Manage apps & devices
4. Go to Manage tab.
5. Tap the name of the app you want to delete.
6. Tap Uninstall.

Deleting apps from your iPhone:

- Deleting an app from the Home screen: Touch and hold an app on the Start screen, tap Remove App, then tap Remove from Home Screen to leave it in your app library, or Delete app to remove it from iPhone.
- Deleting an app from the app library and Home screen: Touch and hold an app in the app library, tap Remove App, then tap Delete App.

11.2 Tickets FAQ

- I have made changes to the device during remote session, but accidentally declined them at the end, what happens in that scenario?
  - When patient declines changes after remote session, configuration in the device is reverted to the last one used, changes are not lost however. After the session, a ticket containing all the changes is sent to the patient, so that they can install them at later time. Only last sent ticket with changes can be used to do this, previous ones will be closed, but still visible in inbox.
- What exactly happens when I accept changes sent to me in the ticket?
  - The changes sent to you by the clinician will be installed to the device and saved in the database.
- I have installed the configuration sent by clinician, but I don't like it, what can I do about it?
  - You will always have an option to go back to last used configuration, by using "Restore previous" button present in the same ticket. Also you can ask your

clinician, to restore device's configuration to any other previous configuration, if there would be a need for that.

- Does the ticket sent after a remote session, work exactly the same as the ticket sent during async configuration?
  - Yes, they function in exactly the same way. The only difference is that after a remote session, you will be presented with a choice to install changes immediately, without the need to go to the inbox.
- Can I go back to any previous configuration by myself?
  - No, as a patient, you can only go back to the last used configuration using the "Restore previous" button in the ticket. Clinicians can restore configuration to any point in the device's history though.
- The application does not install or update properly, What can I do about this?
  - Make sure the phone has enough available storage for the app.
  - If the problem is not solved, try downloading the application again and turn your device off and on.
- I can not see the bluetooth ID
  - Try to logout of the app and login again.

12. SECURITY

Application should be operated from a secure device. It is recommended to close the application when you are not using it or you are away from the device. Remember to never share your password to your Aether Digital Platform account.

13. COMPATIBILITY

Aether Digital Platform Mobile is compatible with Zeus hand A-01-L/R, A-01-L/R-T, A-01-L/R-TS-S, A02L-SF0B, A02R-SF0B models of Zeus.

14. REPORTING

Any serious incident that has occurred in relation to the device should be reported to Aether Biomedical Sp z o.o. via complaints@aetherbiomedical.com and the compe- tent regulatory authority of the country in which you are resident.

15. OTHER INFORMATION

- Aether Biomedical declares that they meet appropriate European standards for design, manufac ture and supply of prosthetic products and user software under CE mark. Continued compliance with the standard is monitored by a program of internal and external audits.
- All individual products are marked indicating that they comply with the requirements of the Medical Device Regulation 2017/745.

SYMBOLS

This CE mark indicates the product conforms with the essential requirements and provisions of Medical Device Regulation 2017/745.

Refer to operating instructions

This mark indicates the user should read the operating instructions before use.

This indicates www.aetherbiomedical.com.

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