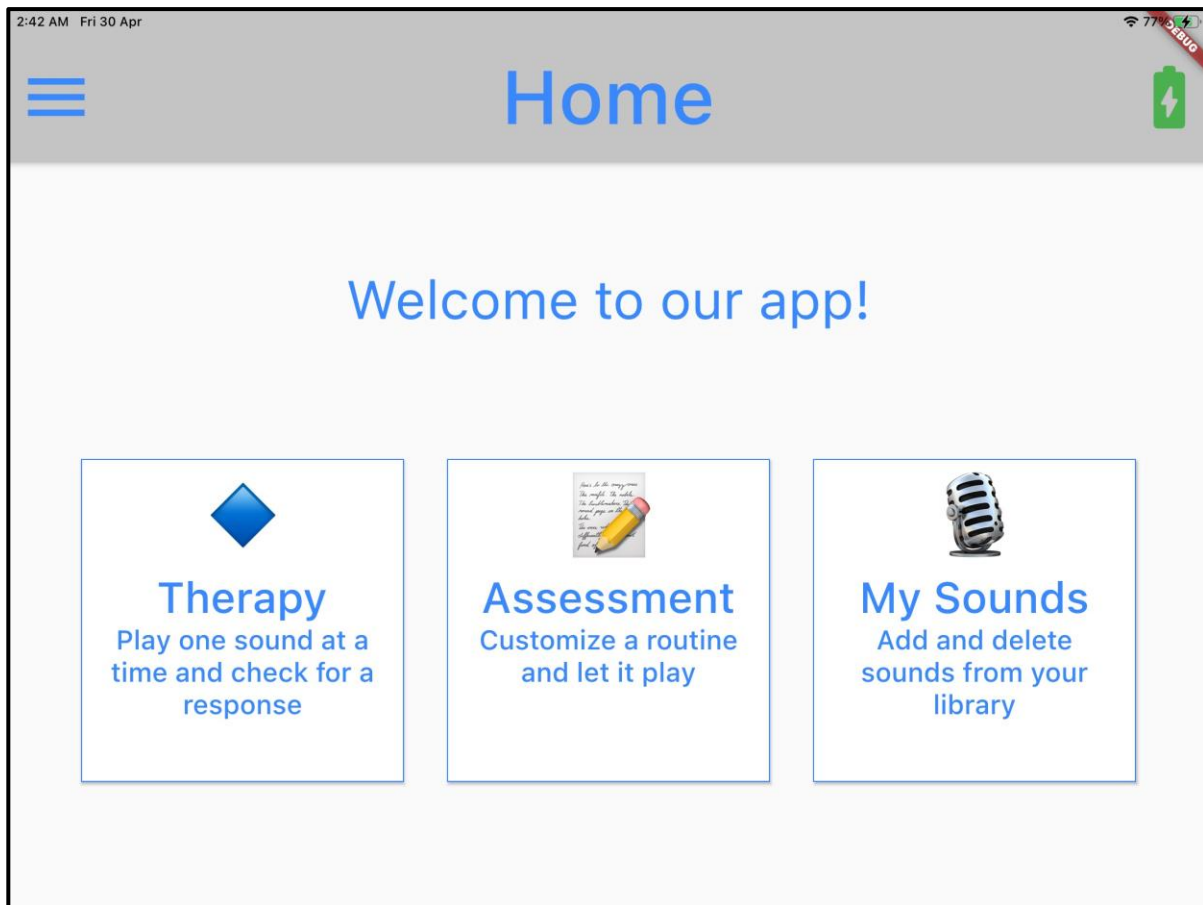


Auditory Testing App



User's Manual

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Device Purpose

The device's purpose is to perform the Coma Recovery Scale (CRS) test in a way that would only require one clinician rather than two and in a way that is more objective. The device creates sounds similar to the sounds used in the CRS test and will play them in a standardized way. Like the standard CRS test, the device will be used to assess the consciousness of patients in a minimally conscious state.

Parts List/Device Features

Below are the parts used in the device:

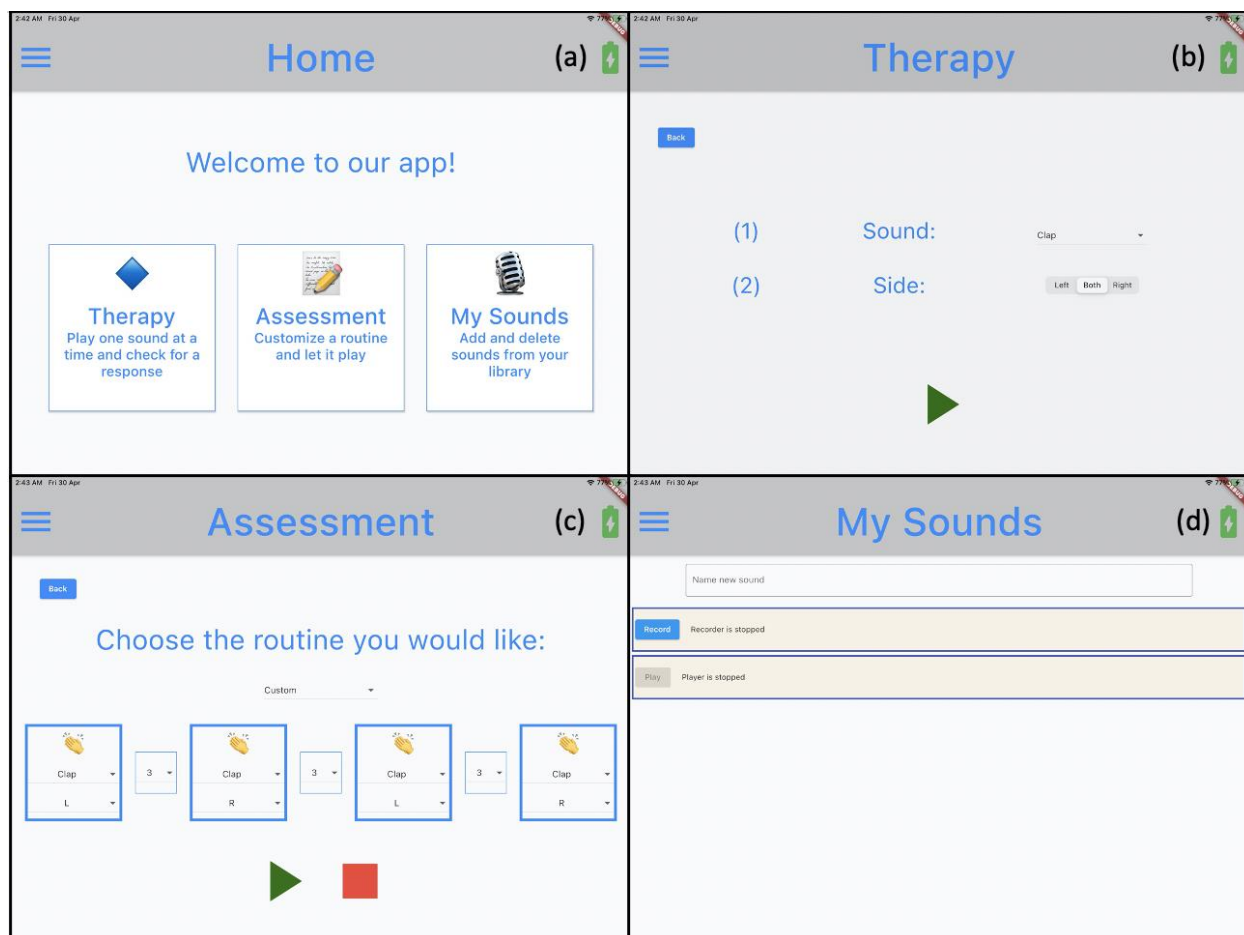
- iPad (2018)
- Auditory Testing iPad App
- Kove Commuter 2 Portable Speaker
- Everbilt 6in Black Spring Link (x2)
- Extra nylon speaker strap

Device Features:

Bluetooth speaker + carabiners (spring links):



iPad App:



Device Operation

1. Pick up Bluetooth speaker and loop a carabiner through each strap on the speaker
2. While speaker is together (left and right sides are not separated), press and hold down on the two circular buttons on the top of the speaker until a sound plays and the ring-shaped light on either side of the speaker turns blue.
3. If not already paired, go to Bluetooth settings in iPad and connect to Kove Commuter 2 speaker. When successfully connected, speaker should play a quick sound.
4. Separate the left component of speaker from right component of speaker by twisting and pulling at center of speaker
5. Connect each speaker to the respective side of the bed rail by unlocking the carabiner, hooking it over the bed rail location closest to the patient, and locking the carabiner. Ensure that the speaker rests properly against the bed rail and that the carabiner is properly locked.

6. Open up Auditory Testing app on iPad
7. Click on desired page on Home Screen (Therapy, Assessment, My Sounds) or use menu at top-left to navigate between pages
 - If on Therapy page, select sound from drop-down menu, select side that sound should be played on, and press play button to hear sound
 - If on Assessment page, select from one of the pre-created routines in drop-down menu or select “Custom” to create a custom routine. If creating a custom routine, select sound, speaker side, and delay length for the routine and press play button at bottom. Routines can always be stopped at any point by pressing the square stop button
 - If on My Sounds page, enter desired name for sound, press Record button and speak/play out-loud whatever needs to be recorded. Click button again to stop recording. Then, press Play button (as many times as desired) to play back the sound.
8. If volume needs to be adjusted, adjust volume directly on iPad.
9. Close app once finished with use of device
10. Remove speakers from bedrails by unhooking carabiners and disinfect to prepare for next use

Device Cautions

- Avoid submerging speaker in water/liquid
- Avoid submerging iPad in water/liquid
- Avoid holding speaker above patient at any point
- Ensure that carabiner is fully locked when hooking onto bed rail
- Avoid dropping iPad from high-up so that screen does not shatter
- Avoid placing speaker too close to patient’s ear to ensure that volume stays within 75dB limit
- When creating custom sounds in app, do not include any PHI of patient. Therefore, if creating a custom sound of a patient’s name, only include initials of patient.

Care and Maintenance

- Regularly disinfect iPad, speaker, and carabiners via disinfectant wipes
- Always keep iPad in case
- If notified of any updates to app, navigate to App Store and download update ASAP

Product Specifications

Item	Dimensions	Weight
Kove Commuter 2 Portable Speaker	8 in x 3 in x 3in	2 lbs

Everbilt 6in Black Spring Link	6.25 in x 3.125 in	0.24 lbs
iPad (2018)	9.4 in x 6.6 in x 0.29 in	1.03 lbs

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