

# Welcome to the #CARLCommunity

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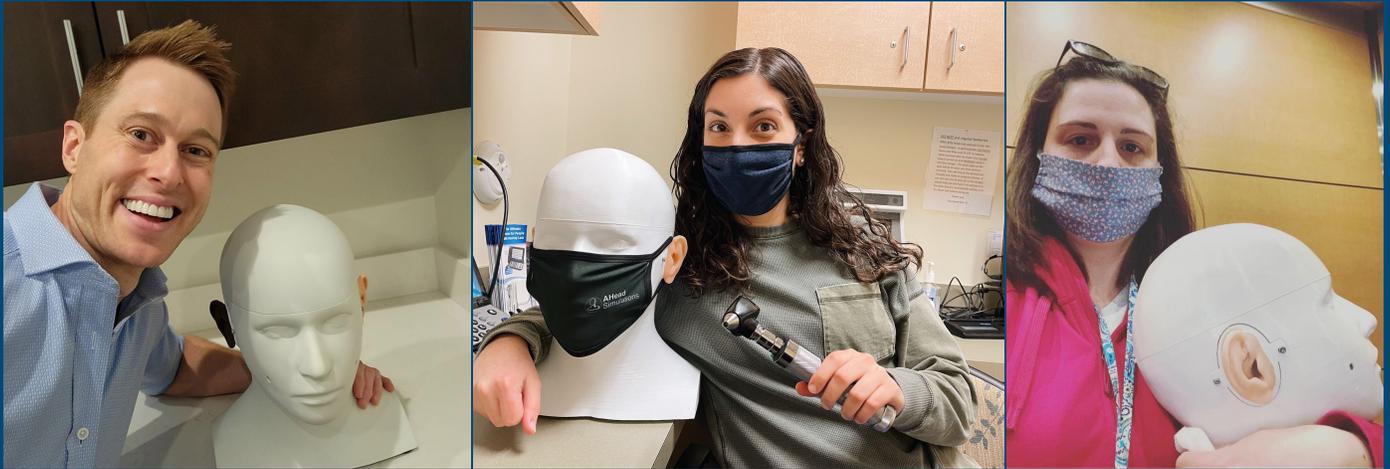
## CARL is more than just a manikin;

- Lesson plans, curriculum, workbooks, videos, and more to support your CARL
- Swappable ear anatomies
- Made in Canada for clinicians by clinicians

From research to training to client interactions;

CARL is your perfect patient





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# How do you want to show off your CARL?

#CARLCommunity

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Search "AHead Simulations" on your favourite platforms  
[www.aheadsims.com](http://www.aheadsims.com)



**AHEAD**   
SIMULATIONS

# Are you making the most of your CARL?

Keep up to date with all the latest curriculum, lessons, resources, and more at [www.aheadsimulations.com](http://www.aheadsimulations.com)



# Need some inspiration?

Choose ONE exercise from below to kickstart your experimentation!

**Look into CARL's ear with an otoscope**

**Place hearing aids (or earbuds!) on CARL**

**Place hearing protection devices on CARL**

**Place simulated cerumen into CARL's ear canal and remove with curette**

**Do an earmold impression on CARL**

**Try a real-ear measurement on CARL**



The only limit is your imagination!

# Your CARL Quick-Start

## 1 Unbox Your Audio CARL



Welcome Documents



Your EarBox



Your CARL Head

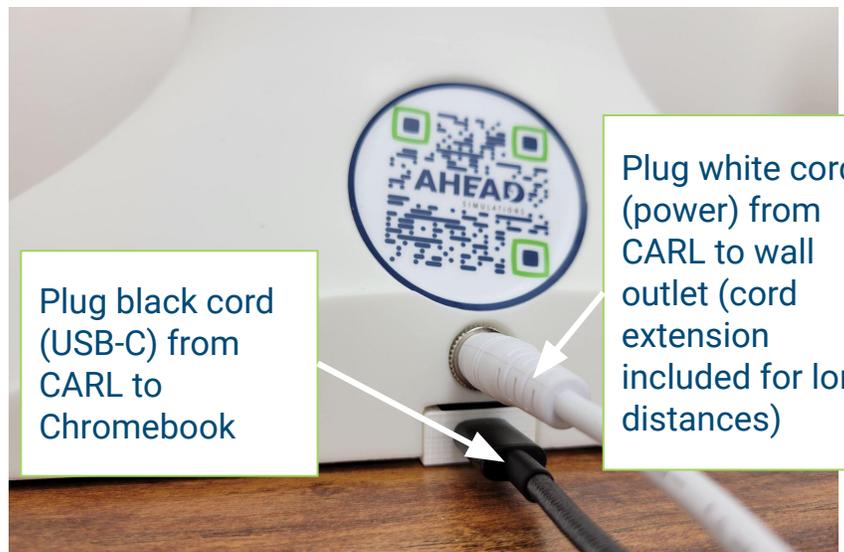


## 2 Find the Best Location for CARL & Plug Him In!

### Considerations for Audio CARL

#### location:

- **WHO** needs access to the CARL?
- **WHAT** equipment do we intend to use CARL with?
- **HOW MUCH** sound isolation does the environment need?
- **HOW MANY** people will be using the CARL at once?



Plug black cord (USB-C) from CARL to Chromebook

Plug white cord (power) from CARL to wall outlet (cord extension included for long distances)

*\*\*If you have correctly plugged in your CARL, his shoulder-lights should light up within 30 seconds.*

### 3 Boot Up the Chromebook & Access CARL Software

- A. Now that your Audio CARL is plugged in, turn on the chromebook and ensure black cord (USB-C) is connected from CARL to chromebook
- B. Sign into Chromebook (CARL user profile, default password is AudioCARL)
- C. Open Google Chrome and you will automatically be redirected to the software page
  - a. If you are not redirected, ensure CARL is powered on and connected
  - b. To manually navigate to the software, type “192.168.55.1” into the chrome address bar

### 4 Calibrate Audio CARL For Your Environment

**Note: Calibration only required for utilizing CARL's Audiometry functionality.**  
*Calibration must take place when CARL is used in a new location, or new equipment is used with CARL.*



CARL Software Top Navigation Menu

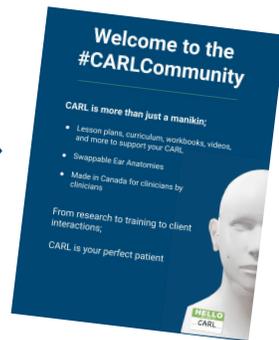
- A. Ensure you have a calibrated Audiometer and Navigate to the “Calibration” page in the CARL software
- B. Present a 70dB signal at each of the frequencies requested by the software
  - a. The first tone will always be 250 Hz at 70 dB HL on the left ear
  - b. Ensure each tone is presented until the frequency you are presenting is displayed in the software
- C. As you are presenting the tone Audio CARL will “listen” and automatically calculate the difference in dB HL between the tone and what CARL “hears”
- D. Alternatively you can manually enter the difference between the presented tone and the tone CARL hears in the boxes for each inter-octave frequency
- E. Repeat steps 3-5 for each frequency displayed in the software
- F. After calibrating CARL for each frequency in both ears, he is ready to have his hearing tested

# Your CARL Quick-Start

## 1 Unbox Your Camera CARL



Welcome Documents



Your EarBox



Your CARL Head



## 2 Click in Your First Set of Ears



Secure your CARL to a table



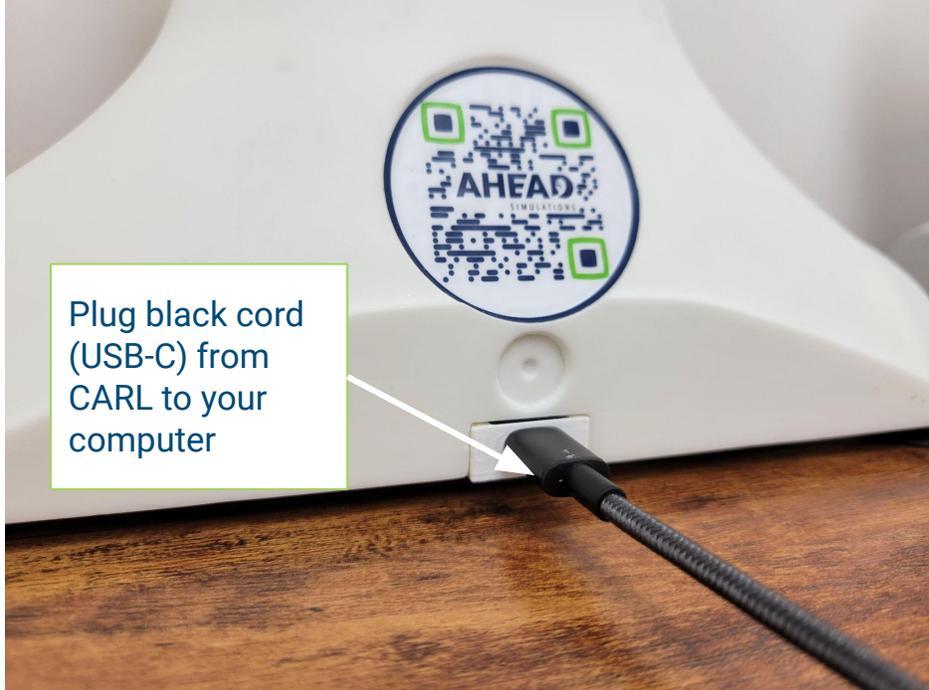
Angle the top of the ear cover into the top of the ear slot



Push the bottom of the ear cover into the head until you hear 'Click'

### 3 Plug in your Camera CARL

*\*If you have correctly plugged in your CARL, the LED in his head should have lit up when plugged into your computer*



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### Open the Camera App on your Device

*Using Windows? We'd recommend the native camera app for windows (type "Camera" into your windows search bar) OR an online tool such as <https://webcamera.io/>*



### 5 Perform Procedures While Seeing Inside the Canal!



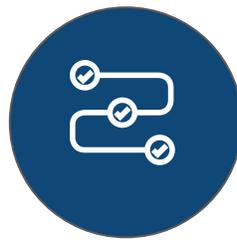
**Cerumen  
Mgmt**



**REM**



**Earmold  
Impressions**



**Workflow  
Training**



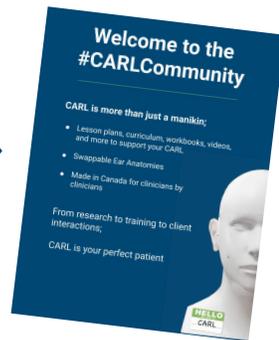
**Equipment  
Training**

# Your CARL Quick-Start

## 1 Unbox Your Base CARL



Welcome Documents



Your EarBox



Your CARL Head



## 2 Click in Your First Set of Ears



Secure your CARL to a table



Angle the top of the ear cover into the top of the ear slot

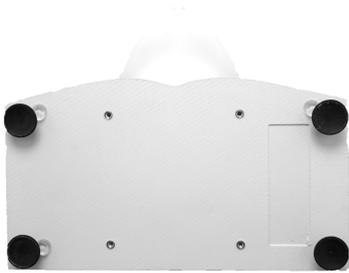


Push the bottom of the ear cover into the head until you hear 'Click'

### 3 Decide on Location and Mounting for CARL

#### CARL On-the-Go

Pre-installed Suction Cups on Bottom of CARL for Securing to Surfaces



#### CARL on Mounted Arm\*

Monitor Mount with VESA mount



#### CARL on Floor Stand\*\*

Speaker Stand with VESA mount



#### Considerations for your mounting preference:

- **WHO** needs access to the CARL?
- **HOW** will you be using CARL?
  - Nearby audiological equipment?
  - Nearby computer for the CARL software or reference material?
- **HOW MANY** people will be using the CARL at once?
- **HOW OFTEN** will CARL need to change locations?

\* Sold by AHead  
\*\* Sold Separately

### 4 Decide What to Try First!



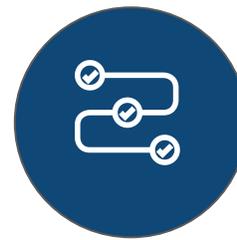
Cerumen  
Mgmt



REM



Earmold  
Impressions



Workflow  
Training



Equipment  
Training

# Your Earbox

1 EARS (Your Ear Choices ➡)

2 USB Cord (Camera CARL only)  
*To connect CARL to PC*

USB Cord & Wall Power (Audio  
CARL only)  
*To connect CARL to the included  
chromebook*

CARL Anatomy	Type	In Your Earbox?
CARL Large	Realistic	
	Durable	
CARL Small	Realistic	
	Durable	
CARL Bendy	Realistic	
	Durable	
CARL Mic	Microphone	
Pediatric (baby-CARL only)	Realistic	
	Durable	