

User Manual



Auscultation System for Dog

ConArk

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1. User Manual

****User Manual: Startup and Shutdown Operation Guide****

Startup:

1. Insert USB Receiver: Firstly, insert the USB receiver into an available USB port on your computer.
2. Click AusStart Icon: Open the AusStart icon from your applications folder or desktop, and click on it. This will initiate the program.
3. Access Local Port 5173 Page: After the program has started, your default web browser will automatically open and access local port 5173 (e.g., <http://localhost:5173>). You will see a webpage load.
4. Manage Terminal Pages: On the webpage, you'll find three different terminal pages, each for managing the backend, frontend, and hardware Bluetooth signal transmission. You do not need to interact with these terminal pages. You can choose to hide or minimize these terminal pages, but please do not close them!

Shutdown:

1. Close Webpage and All Terminals: Once you've finished using the Auscultation System, close your web browser and ensure all related terminal pages are closed.
2. Remove USB Receiver: Safely remove the USB receiver from your computer's USB port.

By following these steps, you can safely start and shut down the Auscultation System program, ensuring a smooth and secure user experience. If you have any questions or need further assistance, please feel free to contact our support team. Happy using!

****User Manual: Auscultation Practice System****

Introduction:

Welcome to our Auscultation Practice System! This innovative platform is designed to facilitate learning and practicing the auscultation process for a dog's heartbeat and lung sounds. Below, you'll find a comprehensive guide to help you navigate through the system and make the most out of our simulation.

Getting Started:

1. Status Icons: The heart and lung icons are your gateways to specific auscultation areas. Click on these icons to activate or deactivate listening modes for a more focused simulation.
2. Control Panel: Navigate through different listening modes with ease using the buttons in the control panel. Whether you're focusing on Heartbeat Count, Abnormal Identification, or prefer the Mixed Mode.
3. Interaction Area: Engage with the simulation on a deeper level in this dedicated space. Explore questions, find answers, and interact with elements that enhance your understanding of the auscultation process.

Control Panel:

The control panel houses the following buttons:

- Heart: Play the heartbeat sound (set as default), the one active in Teaching Dashboard.
- Lungs: Play the lung sound (set as default), the one active in Teaching Dashboard.

Click on the buttons to seamlessly switch between desired listening modes.

Listening Modes:

Our system offers three main listening modes:

0. Default Mode: play the default audio of heart and lung set in teaching dashboard

1. Heartbeat Mode: Swap current Heartbeat audio for different sounds to practice heart rate counting.
2. Abnormal Identification: Train your skills to identify abnormal sounds in both the heart and lung regions.
3. Mixed Mode: Experience a comprehensive simulation by listening to both the heart and lung areas simultaneously. Providing a challenging simulation for practical auscultation training.

Toggle between these modes effortlessly using the buttons in the control panel.

Interaction Area:

- Interactive Elements: Engage with quizzes or scenarios that test and enhance your skills.
- Additional Information: Discover supplementary details to deepen your understanding.

****User Manual: Teaching Dashboard****

Introduction:

Welcome to our Teaching Mode! This powerful tool enhances your experience in auscultation learning and practicing by efficiently managing audio tracks active in the auscultation model.

Quick Start Guide:

1. Switch Current List: Utilize the left and right chevron buttons to navigate between different views in the audio table.
2. Add Audio to Current List: Click on the orange arrow button to add the selected audio to your "Current List."
3. Activate/Deactivate Audio: Toggle the play icon to activate or deactivate a specific audio track in your "Current List."

Audio Library:

1. **Add to List:** Incorporate audio tracks into your selected list. Successful additions are indicated by the grey arrow turning orange. Selected audios are added to your "Current List."
2. **Library Table:** Browse detailed information about available audio tracks to make informed selections.
3. **Searching and Sorting:** Search using the search bar with different options, and sort by clicking on table header attributes.
4. **Edit Mode:** Refine your audio files by adjusting their title, description, grading, and categorization. Additionally, remove/delete them from the audio library.

Current List Content:

1. **Active:** Toggle to apply the selected audio track for a more personalized experience.
2. **Remove:** Safely remove the selected audio track from the current list to streamline your content.

Current List Management:

1. **Create New List:** Easily create a new list to organize specific audio tracks.
2. **Rename List:** Customize list names for easy identification and personalization.
3. **Remove List:** Safely delete unwanted lists (except the last one).

Frequently Asked Questions (FAQ):

Q: What audio file formats are supported by the Auscultation Practice System?

A: The Auscultation Practice System supports commonly used audio file formats such as MP3, and WAV for uploading and playback of auscultation sounds.

Q: How do I activate a listening mode?

A: Use the control panel buttons in Practice Page for specific listening modes.

Q: Can I customize the auscultation simulation to match different dog breeds?

A: Yes, you can customize the auscultation simulation to match different dog breeds by selecting specific audio tracks that represent the heart and lung sounds of those breeds from the Teaching Dashboard's audio library.

Q: Is technical support available if I encounter any issues while using the Auscultation Practice System?

A: Yes, technical support is available to assist you with any issues or questions you may have while using the Auscultation Practice System. You can reach out to our support team via email or phone.

Thank you for choosing our Auscultation Practice System. We hope this manual helps you make the most out of your learning experience. If you have any further questions or need assistance, please don't hesitate to contact our support team. Happy learning!

2. Troubleshooting

Bluetooth Connection or Hardware Issues:

Issue: If you encounter any disconnections or hardware abnormalities, such as Bluetooth disconnection or lack of feedback when pressing the correct location on the dog auscultation model, try the following steps:

Solution: Replug the USB receiver located on your computer. If necessary, restart the system to ensure proper functionality.

Delayed Updates or Saving Changes in Teaching Dashboard:

Issue: Changes made to the current list and audio library in the teaching dashboard are not promptly updated or saved.

Solution: Refresh the page (or click the F5 button) to ensure that changes are reflected. If the issue persists, close the page and all open process windows, then restart the program.

Thank you for your patience and understanding. If you continue to experience difficulties or have any further questions, please don't hesitate to reach out to our support team for assistance.

3. Contact Information

For any inquiries, assistance, or feedback, please feel free to reach out to our support team using the contact information provided below:

Customer Support Email: yrj137429704@gmail.com

Customer Support Hotline: +61 0468893589

Operating Hours: Monday to Friday, 9:00 AM to 5:00 PM (GMT)

Address: 3 Parramatta Road, CAMPERDOWN, NSW, 2050

We are dedicated to providing excellent customer service and will do our best to assist you with any questions or concerns you may have.