TALKBOX

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# USER MANUAL

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Group 15
EECS 2311
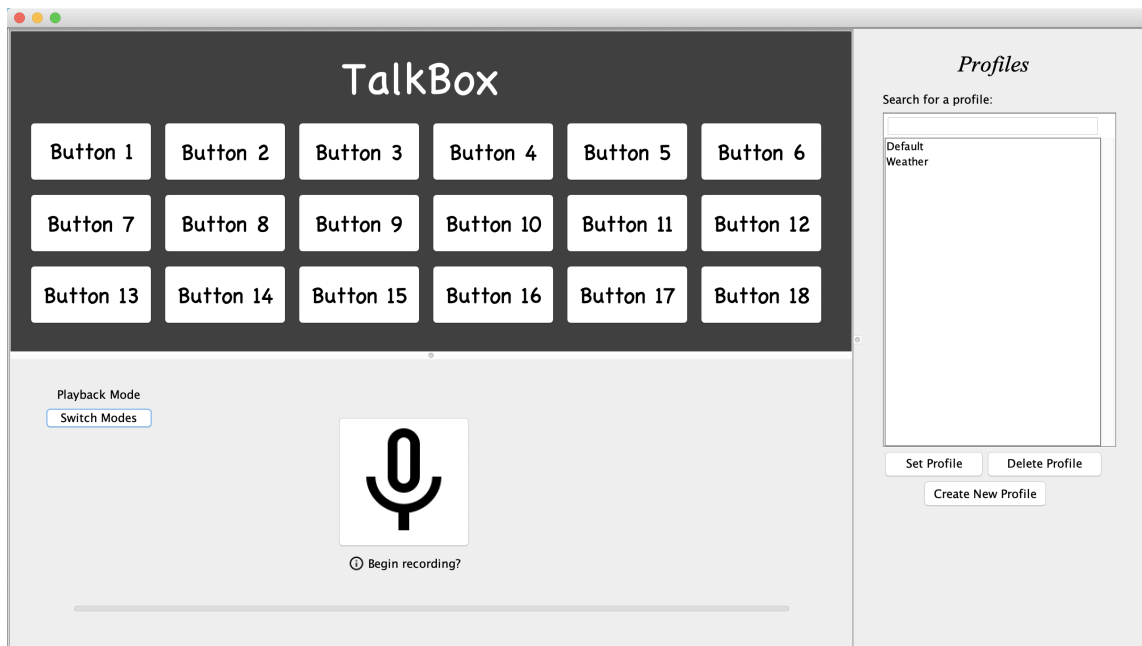
# 1 Installation Instructions

To install the TalkBox Configuration App, download the file "TalkBoxConfig.jar".
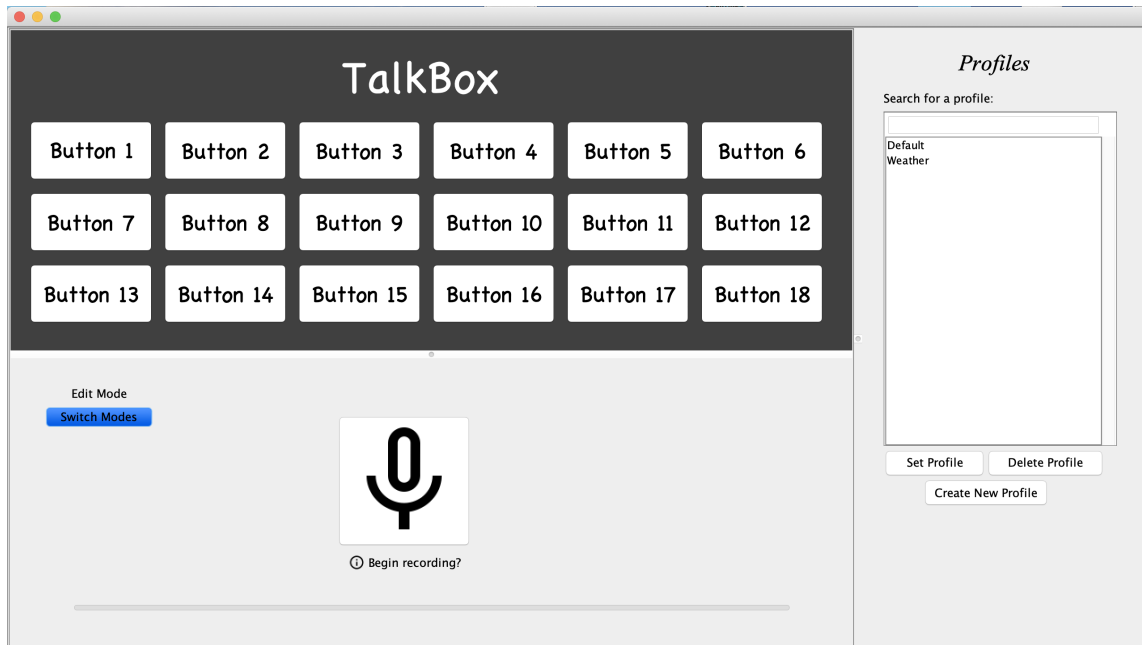
# 2 How to Get Started

To get started, TalkBox configuration is composed of two modes allowing you to configure and playback the TalkBox device. You can toggle between these two modes by clicking the "Switch Modes" button in the corner of the bottom left panel of the configuration app. The mode selection that the configuration app is currently in will be displayed in text above the "Switch Modes".

1. Playback Mode



In playback mode, the TalkBox device is simulated in the upper left panel. By clicking on the buttons, you can play back the recordings as the settings that the TalkBox device is currently set to.

2. Edit Mode



In edit mode, you can set up the configuration of the TalkBox device. In the profiles panel (on the right of the configuration app, you can load previously saved audio profiles, or create a new profile. When a profile is selected, its set of audio buttons are displayed in the simulation panel (top left of the configuration app). You can play back the audio files associated with buttons by clicking the buttons in the simulator.

To edit a specific button, click on the button you wish to edit. You can then click the "Record" button to record an new audio file, or select a previously saved audio file. To change the label of the button, select the button and input the new label name in the text box beside "Button Label:". The new label will now appear on the TalkBox simulator on the selected button.

# 3 Common Uses

The TalkBox device is designed for users with a verbal impairment. The profiles loaded onto the TalkBox Device can be selected or adjusted based on user needs. Some common scenarios in which users may find the TalkBox device most useful are as follows. These common use scenarios are audio profiles and buttons that are pre-loaded onto the TalkBox device.

1. General purpose education: Yes, No, I understand, I don't understand, Can you explain more?, I would like assistance

2. Emotions: Happy, Sad, Excited, Confused, Anxious, Bored

3. Weather: Sunny, Rainy, Cloudy, Snowy, Icy, Hot, Warm, Chilly, Cold, Freezing, Windy

4. Hospital: Yes, No, I am in pain, I am okay, Help!

5. Restaurant: Menu, Water, Restroom, I would like to order something, Thank you, May I have the bill?

The TalkBox device is designed to be fully configurable based on user needs. Functions such as number of buttons or profiles on the TalkBox device can be determined by the user. It is recommended that these functions are determined based on consideration of the environment in which is it meant to be used.

For example, the "Hospital" profile listed above is limited to five buttons, as a pressing situation such as a hospital visit may require a simple interface of only essential buttons. In comparison, profiles such as "Weather", most commonly used for daily journal-keeping or educational activities, can be more extensive in its descriptive level.