

USER MANUAL

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GROUP 10

TALKBOX CONFIGURATOR APP

TALKBOX SIMULATOR

Introduction/Features

TalkBox is a device that helps anybody, who is unable to talk, communicate. Each TalkBox has a number of buttons that the user can press to play pre-recorded audio files.

The main purpose of the TalkBox Configurator App is to specify the behaviour of your TalkBox. The Configurator app's user interface is through a computer.

Some of the behaviour the user will be allowed to specify is:

- the sound clip played on user's touch of a button
- the images associated with the respective buttons

Features are:

- Record audio
- Display pictures
- Add pictures

How to install

Prerequisites:

Java Runtime

-Java(TM) SE Runtime Environment (build 1.8.0_201-b09)

Supported Operating System

Windows 10

Minimum Hardware Requirements:

1.6 GHz or faster processor

1 GB of RAM (1.5 GB if running on a virtual machine)

50 MB of available hard disk space

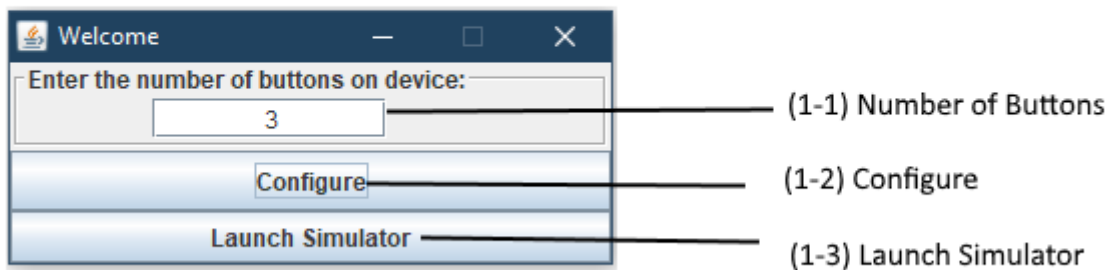
5400 RPM hard drive

Install Instructions

1. Create directory
2. Copy the jar file to the created directory
3. Double click on jar file to run

Diagram/Description of Screens

(1) Config Window

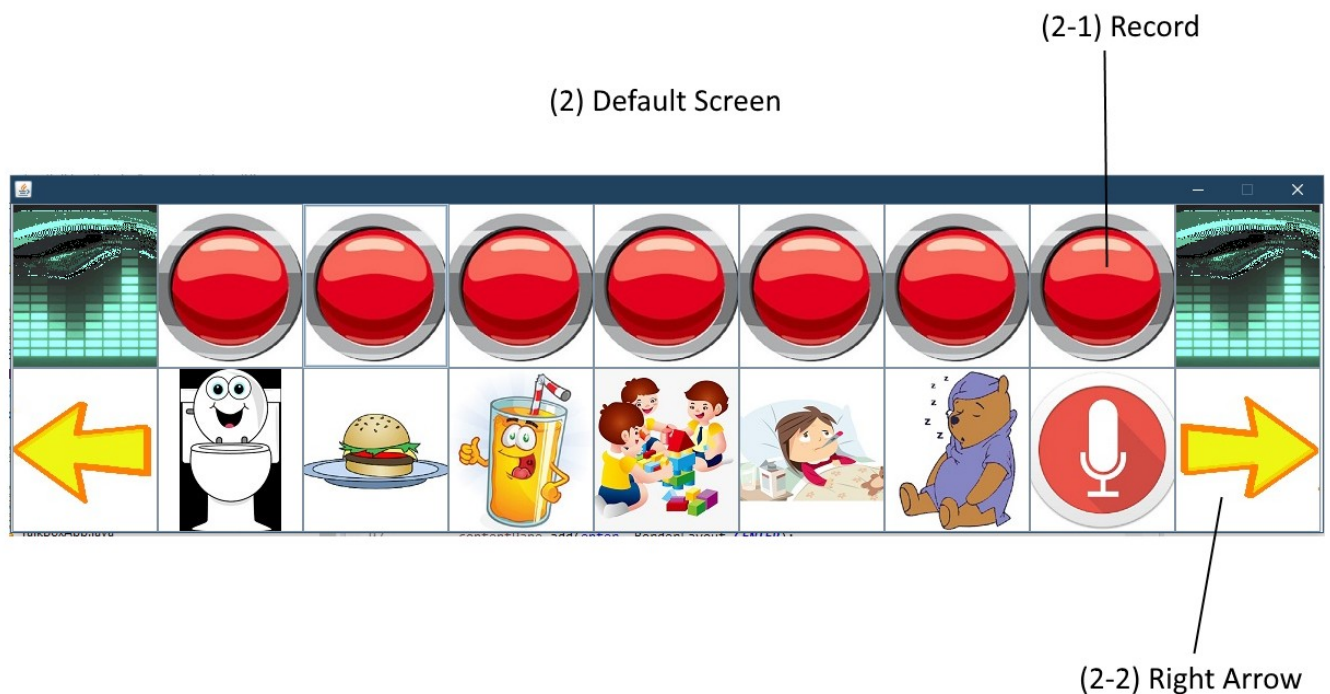


(1) - This is the first screen you encounter when you run the jar file. It is a screen you should always have open for the duration of the time you use the TalkBox.

(1-1) - The number you put in this text field must be an integer value greater than 0. It tells you the number of audio and media buttons on your personalized screen, (3) and (4).

(1-2) - Launches the personalized screen for configuring (3).

(1-3) - Launches the personalized screen for the simulator (4).

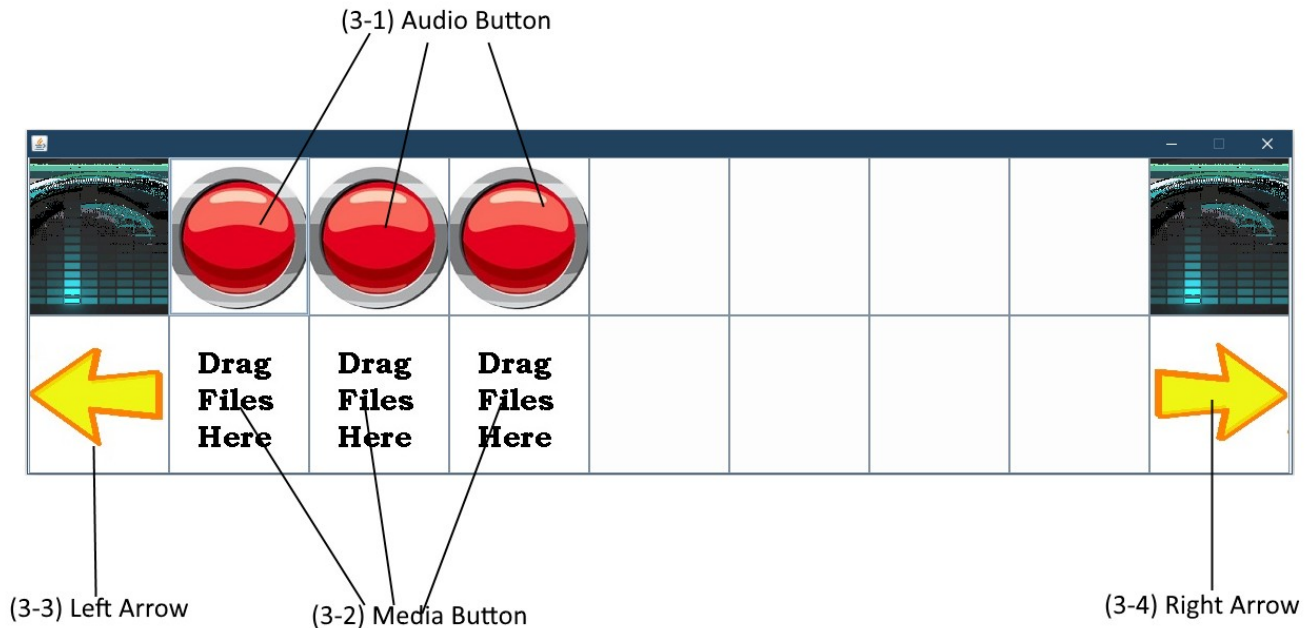


(2) – This is the screen that you see when you press (1-2) or (1-3). The main purpose of the screen is to allow the user to see what a common configuration might look like.

(2-1) – This opens screen (5). It allows you to record audio.

(2-2) This allows you to go to screen (3) or (4). If you pressed (1-2) to get screen (2), then you will go to screen (3). If you pressed (1-3) to get screen (2), then you will go to screen (4).

(3) Personalized Screen - Configure



(3) – This screen allows you to configure your personalized talkbox. It is accessed through pressing (1-2).

(3-1) – Lets you view all the audio files in File Explorer, that can be associated with the press of button (4-1).

(3-2) – This is a very important button. This button accepts .wav audio files through a drag and drop method. You can drag and drop any number of audio files as you like. These audio files can then be played on the simulator (4), by pressing a button in (4-1). The (4-1) button must correspond to the same column as the (3-2) media button you dropped to in order to hear the audio file. Only the latest .wav file dropped will be played.

This button also accepts .jpg files. When you drag to this (3-2) button, the picture you dropped will be displayed on (3-2). The

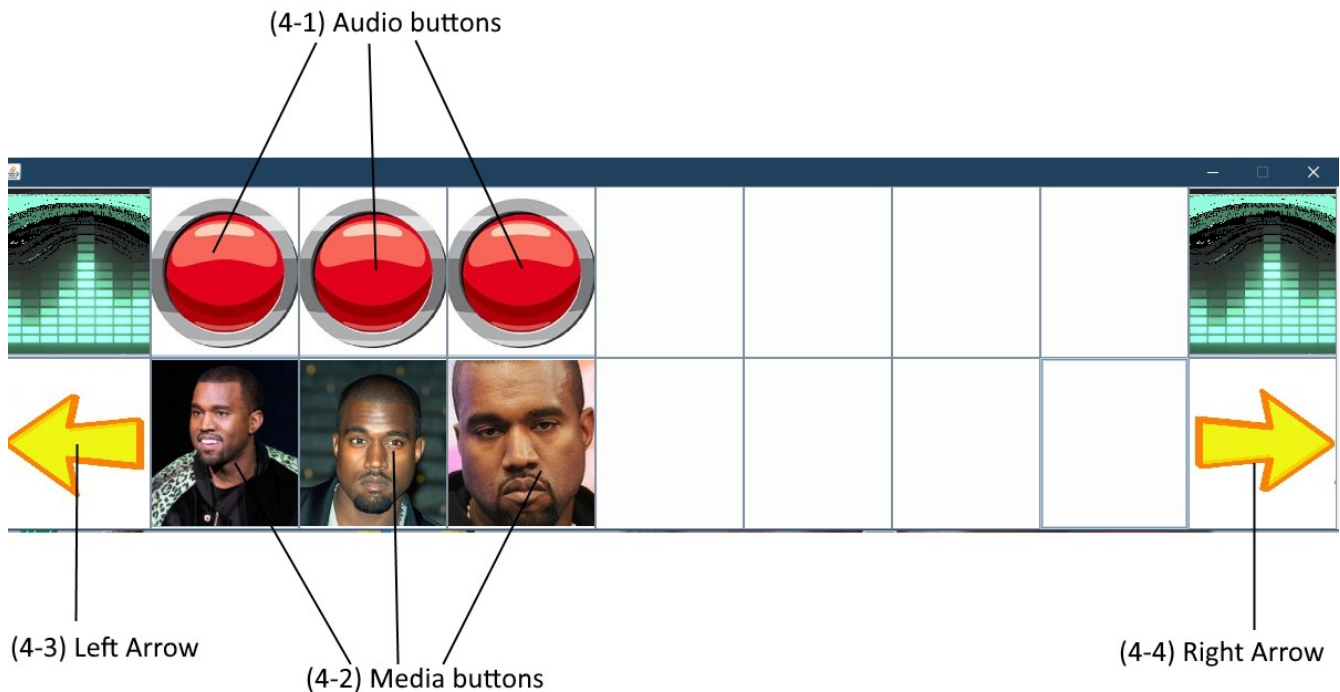
latest .jpg file will be displayed in the same grid location in (4-2).

It is HIGHLY recommended your .jpg file has dimensions of 150X150 px.

(3-3) – Lets you view the previous 7 buttons of your configuration.

(3-4) – Lets you view the next 7 buttons of your configuration.

(4) Personalized Screen - Launch Sim



(4) – This screen simulates the most recent configuration set up by (1-2). To access it, while screen (3) is open, click on button (1-3).

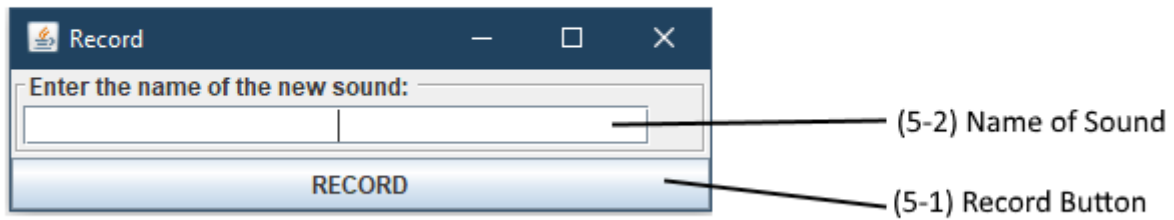
(4-1) – Plays the most recent audio clip dragged into its corresponding (3-2) button. See (3-2) for more details.

(4-2) – Displays the most recent image dragged into its (3-2) button. See (3-2) for more details.

(3-3) – Lets you view the previous 7 buttons of your TalkBox simulator.

(3-4) – Lets you view the next 7 buttons of your TalkBox simulator.

(5) Start Recording

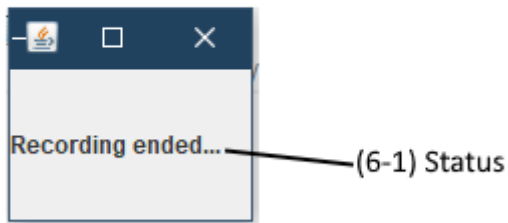


(5) – This screen allows you to make your own recording.

(5-1) – Press this when you are ready to start recording.

(5-2) – Set the name of the sound you will record.

(6) Recording Status



(6) – Status screen for the current recording. When you see this screen, talk into your speaker as it is recording audio.

(6-1) – When there is no text in the status, it means a recording is in progress. After 6 seconds, the status will say “Recording ended...”. When the status says “Recording ended...”, a file is created with the name specified in (5-2). Then, a window with the location of your file is opened.