TouchChat®

User's Guide: English

prc-saltillo

CE   UK CA

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Document Version / Software Version

10083v3.27 · 12/19/2023 / Software version 2.46

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Welcome to TouchChat

TouchChat® is intended for individuals who have difficulty using their natural voice. TouchChat is designed for individuals with Autism, Down Syndrome, ALS, apraxia, stroke, or other conditions that affect a person's ability to use natural speech.

This user's guide offers step-by-step instructions for using TouchChat. Additional information and support are available.

Support articles can be found on the TouchChat website:
https://touchchatapp.com/support/articles

Manuals can be found on the TouchChat website:
https://touchchatapp.com/support/articles/faq/quick-reference-guide

Premium support can be found on the TouchChat website:
https://touchchatapp.com/support

Live online training opportunities can be found on the TouchChat website:
https://touchchatapp.com/support/webinars

For TouchChat operational or technical support:
If you need assistance with your TouchChat software or if you experience problems, please contact us.

support@touchchatapp.com

Trouble tickets:
https://saltillo.com/tt/index.php

For Realize Language™ website support:
support@realizelanguage.com

App Safety Information

This app is intended for use in normal communication situations. When using the app, keep the following safety guidelines in mind.

⚠ This app is not intended to be an emergency call app or a sole communication aid.

⚠ Use the app safely while texting. Do not text while performing another task or activity.

⚠ The communication partner should ensure that the user takes frequent breaks to avoid eye strain.

⚠ Consult your vision care provider about positioning the device for the user to view the app.

⚠ When adjusting volume in the app, excessive volume or sound pressure level when using earphones or headphones can cause hearing loss over extended periods of time. Set the volume at a low level and increase it only enough that you can hear comfortably.

⚠ If the app stops functioning, contact Service for assistance.

Finding TouchChat App System Requirements

To view TouchChat app minimum and recommended requirements, go to
https://touchchatapp.com/support/system-requirements

Agreeing to the End User License Agreement

After you download the app and open it the first time, a message asks you to agree to the End User License Agreement. If necessary, tap the website link in the message to get started with the app.

Finding the TouchChat Version

1. Tap **Vocab**.

2. Tap **Choose New Vocab**.

3. The software version is displayed at the bottom of the screen.

Working with TouchChat Menus

To access the TouchChat menus, tap **Menu**. Menu options depend on where you are in the application and whether Edit Mode is turned on. For example:

Menu options with Edit Mode turned off
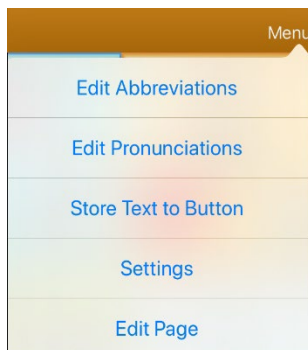
Menu options with Edit Mode turned on
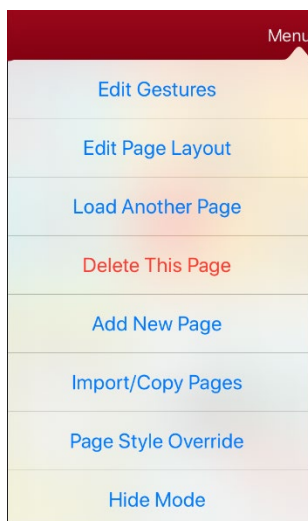
Menu options after you tap Vocab, tap Choose New Vocab, and tap Menu
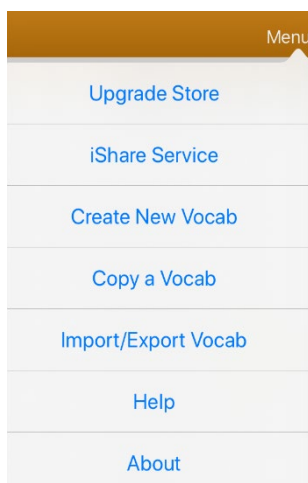
Working with Vocabulary Files

TouchChat provides a variety of pages that have different button layouts. Each set of pages, or vocabulary set, is called a vocabulary file. TouchChat-provided vocabulary files have locks in front of them indicating they cannot be deleted. Vocabulary files are provided in English and Spanish.

English Vocabulary Files

Note: If your system language is English, the English vocabulary files will be listed individually when you tap Choose New Vocab and the Spanish vocabulary files will be located in a folder labeled "Spanish". If your system language is Spanish, the Spanish vocabulary files will be listed individually when you tap Choose New Vocab and the English files will be located in a folder labeled "Inglés".

4-Basic

4-Basic offers just that, a basic vocabulary option with 4 buttons per page.

Communication Journey: Aphasia

"Communication Journey: Aphasia" is a vocabulary file containing features and vocabulary designed to support people with aphasia. It was developed by Lois Turner (SLP), Anne MacCallum (SLP) and Sarah Gauthier (SLP Assistant) in consultation with a group of speech-language pathologists who work exclusively with people with aphasia and brain injuries. All the participants work at CAYA (Communication Assistance for Youth and Adults) and the GF Strong Rehabilitation Centre in Vancouver, BC, Canada. The framework of the file was derived from the Life Participation Approach to Aphasia from the Aphasia Institute in Toronto, Canada. The pages were created to facilitate participation in daily activities and to promote social links.

Aphasia, a disorder caused by damage to the parts of the brain where language is stored, may affect the ability to comprehend language, to express oneself, to read, or to spell and write. "Communication Journey: Aphasia" can easily be adapted for use by people with different types of aphasia and a range of cognitive levels and degrees of severity.

Symbols, photographs, visual scenes, videos, or words can be used on the message, topic, and script pages. Included are pages that facilitate supported communication techniques, self-advocacy, directing care, and repair of communication breakdowns. Types of information typically included in communication books—such as pain and emotion scales, maps, and templates for personal information and life stories—are also incorporated into the vocabulary file. Specialized features include variable "rate of speech" and "pause between words". Grid size and vocabulary are easily customized to reflect and support the life experiences of the person with aphasia.

Although this vocabulary file contains starting-point vocabulary commonly required by adults with aphasia, it *must* be customized. Each person has a unique history, and the file must reflect that person's life, experiences, and abilities.

Engage for iOS

Engage® for iOS® is a tool to help individuals learn to use a grid-based display for communication. It targets early motor and communication skills with practice activities and vocabulary grids. Individuals can improve their tracking, scanning, and selection skills, and express their choices and preferences. Engage for iOS also allows customization and editing of pages to meet the individual's unique needs.

MultiChat 15

MultiChat 15 is now offered in a Student, Adolescent and Adult version and was created for individuals with emerging language skills. There are multiple forms of communication available in this program: sentences, phrases, individual words, recordings for story-telling and visual scenes. Also included are interactive play and reading pages, and social pages. There are symbols on every button with the exception of several core words.

myCore

myCore is a combination of core and phrase-based vocabulary geared toward individuals who have literacy skills.

myQuickChat

myQuickChat is an introductory communication system geared toward child and adult AAC users with complex communication needs. myQuickChat is available for both kids and adults in 4, 8, and 12 locations, each with an identical 16-location Support Master Home Page. myQuickChat was created to offer a high frequency, phrase-based communication system in an easy to use yet very engaging format. The progressive system offers a variety of topics for everyday needs and conversation and provides AAC users immediate and more successful communication exchanges within a variety of settings.

Spelling

Spelling is a QWERTY keyboard page set with four word prediction buttons and a few pre-stored phrases.

VocabPC

VocabPC was designed by Gail Van Tatenhove, PA, MS, CCC-SLP, for adults and adolescents with developmental disabilities. Vocabulary in VocabPC is arranged as carrier phrases, interactive sentences, activity vocabulary and naming words. VocabPC uses a 12-location page layout. Both portrait and landscape versions of VocabPC are included.

Spanish Vocabulary Files

Note: If your system language is Spanish, the Spanish vocabulary files will be listed individually when you tap Choose New Vocab and the English vocabulary files will be located in a folder labeled "English". If your system language is English, the English vocabulary files will be listed individually when you tap Choose New Vocab and the Spanish vocabulary files will be located in a folder named "español".

Afasia Español

Designed for people with aphasia, this group of Easy Pages incorporates pages of 12 to 15 buttons and visual scenes for watches, calendars, body parts, maps, and much more.

MultiChat 15 Spanish

MultiChat 15 Spanish is the student version developed for devices running TouchChat. This Spanish version is very similar to the English MultiChat 15 Student file. However, due to the differences in the two languages, some changes have been made to accurately represent each language.

MultiChat 15 Spanish Bilingual

This vocabulary file is exactly the same as the MultiChat 15 Spanish file except that the labels on the buttons show both English and Spanish words or phrases. Please note that when the device speaks the words or phrases, they are only spoken in Spanish.

Sin sintaxis 4 x 4 English and Spanish

Sin sintaxis 4 x 4 English and Spanish consists of categories of words with a symbol on each button. This file is intended for children who do not have the ability to construct sentences yet.

Sintaxis 4 x 5 English and Spanish

Sintaxis 4 x 5 English and Spanish is intended for children who are beginning to create simple sentences. Each page contains 20 buttons, and each button contains a word or phrase with a picture. Words are organized into categories with some core words for creating beginning sentences.

Teclado

Teclado is a Spanish keyboard.

VocabPC Spanish

VocabPC Spanish is a direct translation of the English version. VocabPC was designed by Gail Van Tatenhove, PA, MS, CCC-SLP, for adults and adolescents with developmental disabilities. Vocabulary in VocabPC is arranged as carrier phrases, interactive sentences, activity vocabulary, and naming words.

Canadian French Vocabulary Files

MultiChat 15 français

MultiChat 15 français has multiple forms of communication available in this program; sentences, phrases, individual words, recordings for story-telling and visual scenes. Also included are interactive play and reading pages, and social pages. There are symbols on every button with the exclusion of several core words.

Épeler français

Épeler is a QWERTY keyboard page set with four word prediction buttons and a few pre-stored phrases.

4 de base français

4 de base is a simple vocabulary option with 4 buttons per page.

Communication Journey: Aphasie français

Communication Journey: Aphasie français is a vocabulary file containing features and vocabulary designed to support people with aphasia. It was developed by Lois Turner (SLP), Anne MacCallum (SLP) and Sarah Gauthier (SLP Assistant) in consultation with a group of speech-language pathologists who work exclusively with people with aphasia and brain injuries. Designed for individuals with aphasia that is a simple page set that incorporates 12-15 button pages and visual scenes for clocks, schedules, body, maps, and much more.

VocabPC français

VocabPC français was designed by Gail Van Tatenhove, PA, MS, CCC-SLP, for adults and adolescents with developmental disabilities. Vocabulary in VocabPC is arranged as carrier phrases, interactive sentences, activity vocabulary and naming words. VocabPC uses a 12 location page layout.

WordPower60 français

WordPower60 français is designed to be comparable in terms of content and design to the English WordPower60 vocabularies, with bilingual communicators in mind. Core vocabulary is embedded within the category and activity pages, allowing easy generation of language from the main core page as well as within topic-based pages. Core words remain consistent in terms of placement and access, providing a natural bridge between core and fringe words.

WordPower 120 francais

WordPower 120 francais is designed to be intuitive and easy to use and meets the communication needs of a wide group of individuals in French speaking cultures. The vocabulary includes easy to access basic communication for beginning communicators, as well as sophisticated language and grammar for individuals with advanced cognitive and linguistic abilities. With the keyboard on the main page, the communicator moves seamlessly between words and spelling, thus minimizing keystrokes and the need for navigation. Category based pages include core vocabulary, allowing easy generation of language from the main page as well as within specific topic-based pages. (AZERTY file also available)

WordPower 120 francais AZERTY

WordPower 120 francais is designed to be intuitive and easy to use and meets the communication needs of a wide group of individuals in French speaking cultures. The vocabulary includes easy to access basic communication for beginning communicators, as well as sophisticated language and grammar for individuals with advanced cognitive and linguistic abilities. With the keyboard on the main page, the communicator moves seamlessly between words and spelling, thus minimizing keystrokes and the need for navigation. Category based pages include core vocabulary, allowing easy generation of language from the main page as well as within specific topic-based pages. (QWERTY file also available)

Loading a Vocabulary File

1. Tap **Vocab**. The menu option Choose New Vocab will be displayed.
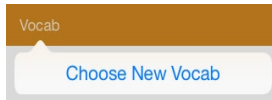
2. Tap **Choose New Vocab**. A page will display a list of the available vocabulary files.

Hint: To make sure that you are working with the latest version of a vocabulary file, view the Modified date and time that appear after the vocabulary name. A checkmark indicates the vocabulary file that was previously selected.
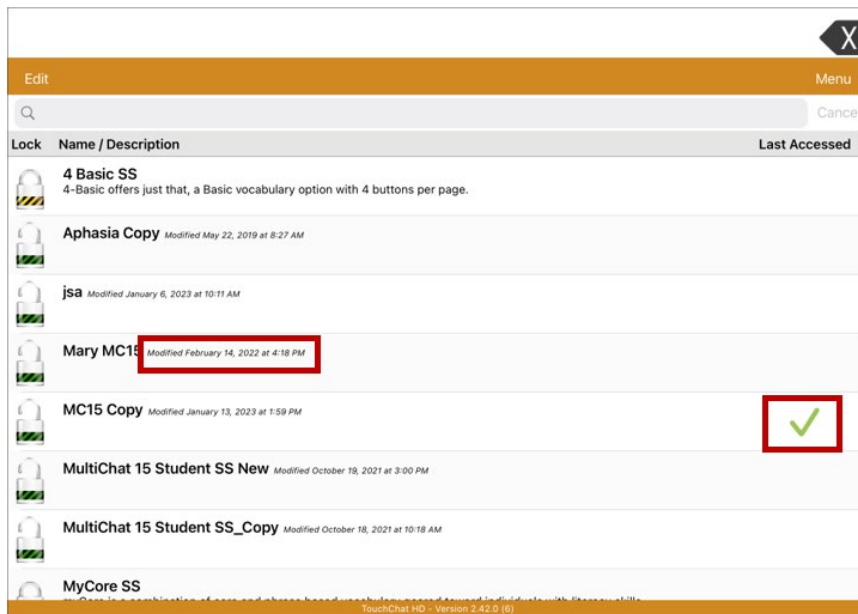
Hint: You can either scroll down the list to see all available vocabularies or search for a vocabulary. To search for a vocabulary, drag down on the list to reveal the search bar above the list. Tap the search bar to open a keyboard and enter a complete or partial vocabulary name. You can enter any characters from the beginning, middle, or end of a name. Only those vocabulary names that include the characters you enter will be listed. Close the keyboard.
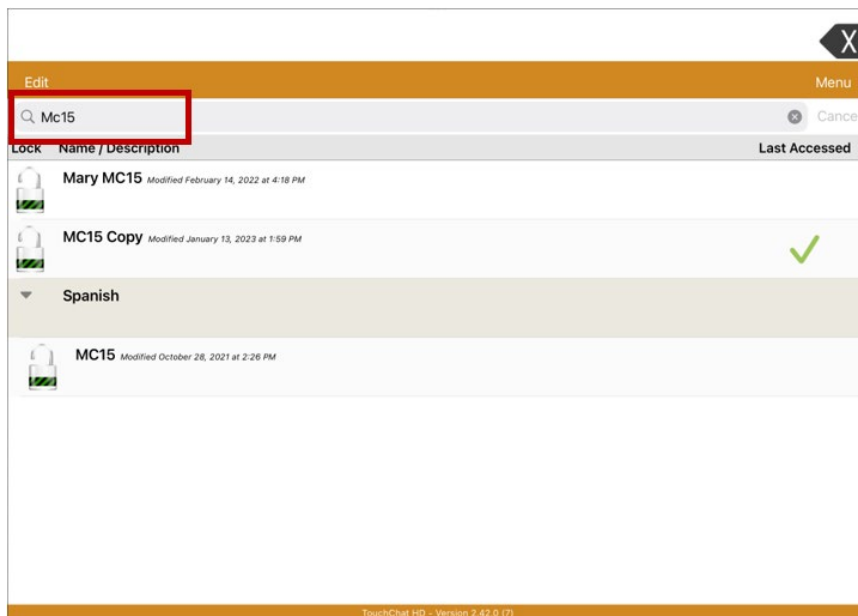
3. Select the vocabulary file you want to load.

4. Once loaded, explore the pages and button organization by choosing the buttons. Buttons with arrows will navigate to new pages.

    Note: If you plan to customize a vocabulary file, you must first make a copy of it. See "Copying a Vocabulary File" on page 16.

Purchasing a New Vocabulary File

To select a new vocabulary that is listed but not available on your device,

1. Scroll through the list of vocabularies to the folder labeled "Available Upgrades".

2. Select the folder to open a list of vocabularies for which you are not licensed. Each vocabulary will show a shopping cart and a description in grayed-out text.
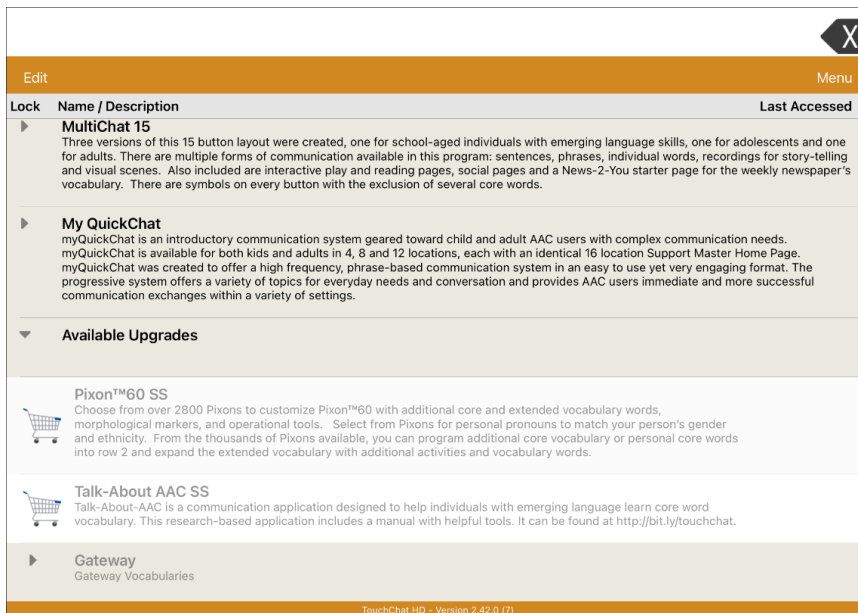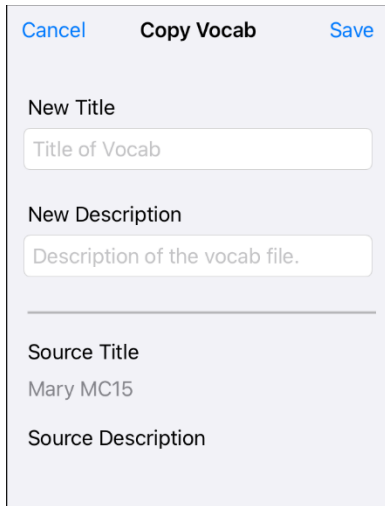
3. When you find the vocabulary you want, select the shopping cart. A message will tell you that the file must be purchased through the Upgrade Store.

4. To purchase the vocabulary from the Upgrade Store, select **Buy**.

    Note: To close the message without buying the vocabulary, select **Okay**.

Copying a Vocabulary File

To customize a vocabulary file, you must first make a copy of the original file. Once you make a copy, you can edit the copy. This keeps the original files in place in case they are needed at a later time.
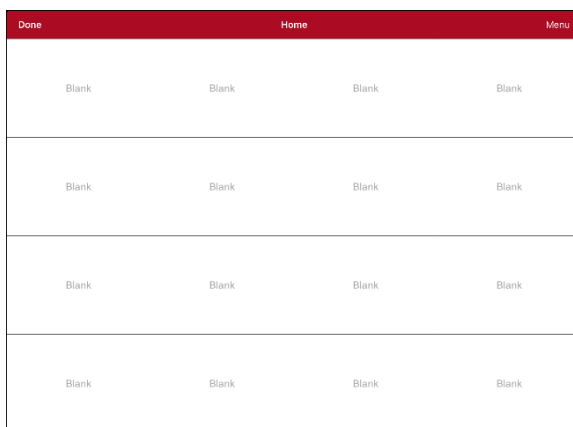
1. Tap **Vocab** and tap **Choose New Vocab**.

2. Tap **Menu** and tap **Copy a Vocab**. A list of vocabulary files will open

3. Tap the vocabulary file you want to copy. The Copy Vocab window will be displayed.

4. Give the file a new title and description.

5. Tap **Save**.

Creating a New Blank Vocabulary File

1. Tap **Vocab** and tap **Choose New Vocab**.

2. Tap **Menu** and select **Create New Vocab**.

3. Give the new vocabulary file a title and description.

4. Tap **Save**.

5. Find the new file you created in the list of available vocabularies and tap the file to open it.

6. Tap **Menu** and select **Edit Page**. A page of blank locations will open.

7. Tap **Menu** and select **Edit Page Layout**.

8. Set the number of buttons on the page by selecting the number of rows and columns.

9. Tap the first blank location and start creating buttons.

10. When you finish, tap **Done**. You have created the first page of your new vocabulary.

Renaming a Customized Vocabulary File

You can only rename custom vocabulary files (files that are displayed with unlocked padlocks). The original vocabulary files are displayed with locked padlocks and cannot be renamed.

1. Tap **Vocab** and tap **Choose New Vocab**. A page will list the available vocabulary files.

2. Tap **Edit** in the upper left corner of the page. A red icon ⊖ will be displayed for each custom vocabulary file.

3. Tap the red icon ⊖ next to the file you want to rename. Rename and Delete buttons will appear.
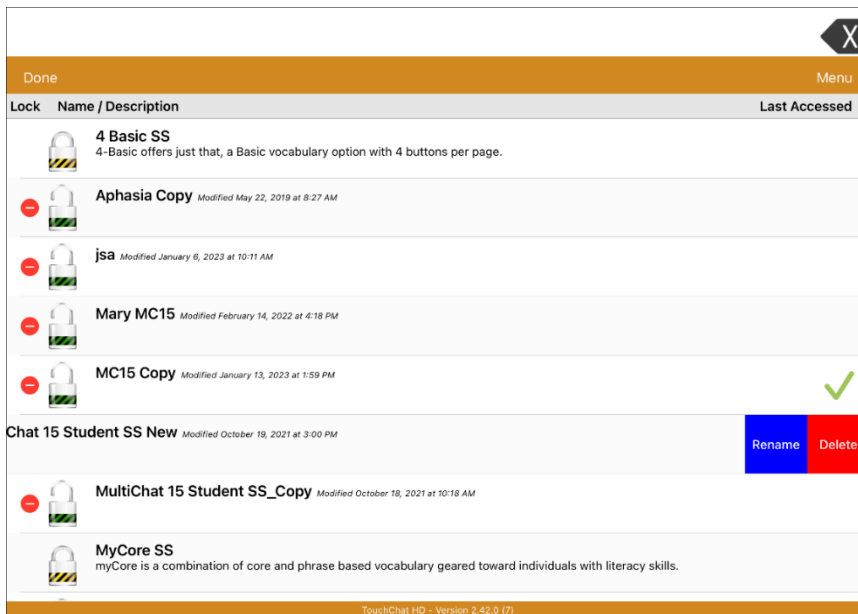
4. Select **Rename**. The Rename window opens.

5. Tap the name field to open a keyboard.

6. Enter the new name, tap **Save**, and tap **Done**.

Deleting a Customized Vocabulary File

You can only delete custom vocabulary files (files that are displayed with unlocked padlocks). The original vocabulary files are displayed with locked padlocks and cannot be deleted.

1. Tap **Vocab** and tap **Choose New Vocab**. A page will list the available vocabulary files.

2. Tap **Edit** in the upper left corner of the page. A red icon ⊖ will be displayed for each custom vocabulary file.

3. Tap the red icon ⊖ next to the file you want to delete. Rename and Delete buttons will appear.
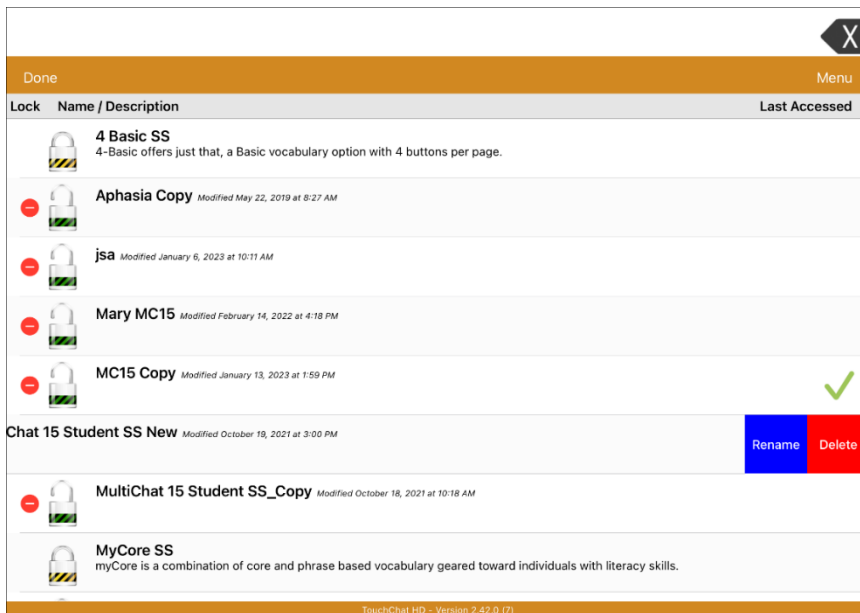
4. Tap **Delete** and tap **Continue** at the Delete Vocabulary message.

   Note: If you did not intend to delete this vocabulary file, tap **Cancel**.

5. Tap **Done**.

Selecting the Language for a New Vocabulary File

1. Tap **Vocab** and tap **Choose New Vocab**.

2. Tap **Menu** and tap **Create New Vocab**. The new Vocab window will open.
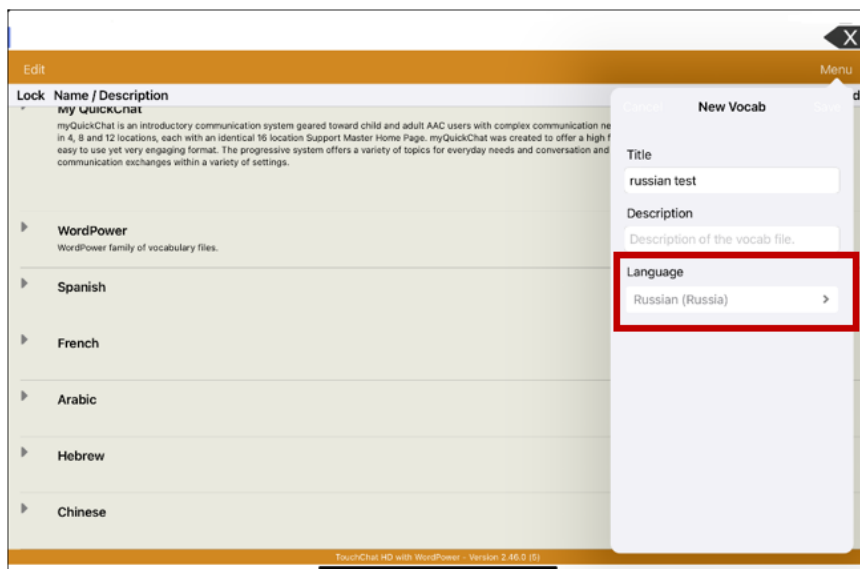
3. Give the new vocabulary file a title and description.

4. Tap the Language field. A list of languages will open.

5. Select the language you want for the vocabulary.

6. Tap **Save**.
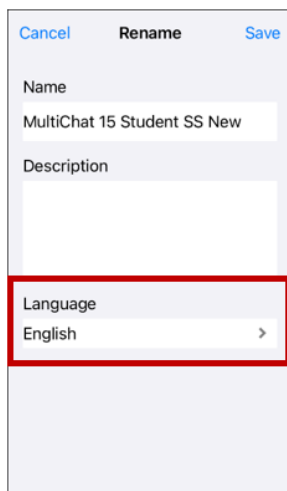
Changing a Vocabulary File's Language

You can only make changes to custom vocabulary files (files that are displayed with unlocked padlocks). The original vocabulary files are displayed with locked padlocks and cannot be changed.

1. Tap **Vocab** and tap **Choose New Vocab**. A page will list the available vocabulary files.

2. Tap **Edit** in the upper left corner of the page. A red icon ⊖ will be displayed for each custom vocabulary file.

3. Tap the red icon ⊖ next to the file for which you want to change the language. Rename and Delete buttons will appear.
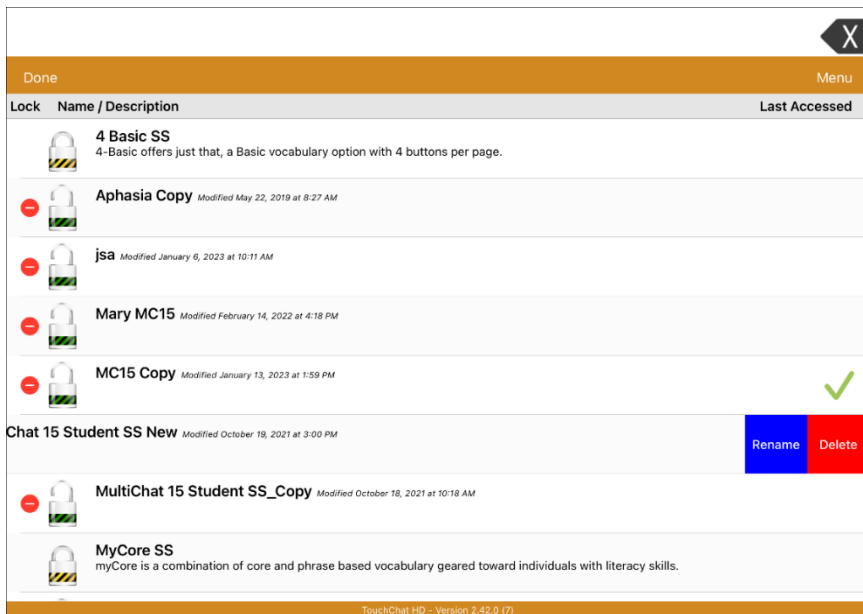
4. Select **Rename**. The Rename window opens.

5. Tap the Language field. A list of languages will open.

6. Select the language you want for the vocabulary.

7. If you only want to change the vocabulary language, keep the same name for the vocabulary file. If you want to change both the vocabulary language and name, enter a new name for the vocabulary.

8. Tap **Save** and tap **Done**.

Backing up a Customized Vocabulary File using iTunes®

It's a good idea to keep copies of all custom files on a computer for safekeeping. We suggest always using a wired connection to a computer to copy files consistently.

1. Connect the device to the computer.

2. Open iTunes on the computer.

3. In TouchChat, tap **Vocab** and tap **Choose New Vocab**.

4. Tap **Menu** and select I**mport/Export Vocab** and then select **Export to iTunes**.

5. From the menu that opens, select the vocabulary file you want to export and select **Save**.

6. In iTunes on the computer, click the small device icon in the upper left portion of the window.

7. In the window that opens, click **File Sharing** on the left.

8. In the Apps column, select the **TouchChat** app.

9. From the column under **TouchChat Documents**, select the vocabulary file you are exporting.

10. Click **Save** on the bottom right. A Save window will open.

11. Navigate to the folder in which you want to save the file and click **Select Folder**.
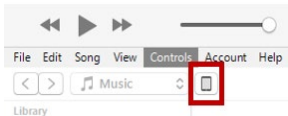
12. Click **Done** and exit from iTunes.

Backing up a Customized Vocabulary File using iShare

Important! Before starting this procedure, make sure the device is connected to the Internet. On the device, go to **Settings** and then **Wi-Fi**.

To use iShare, you must have an iShare account.

1. In TouchChat, tap **Vocab** and tap **Choose New Vocab**.

2. Tap **Menu** and select **iShare Service**.

3. Select Login to iShare.

    Note: If you don't have an iShare account, you can receive a free 365-day trial by selecting **Register for iShare**. Enter your name, create and confirm a password, and select **Register**.

4. Enter your iShare account e-mail address and password.

5. Select **Login** and select **Okay**.

6. Choose the folder you want to use.

7. Select **+** and then select the file you want to save.

8. Enter a name, description, keywords, and file revision.

9. Select **Upload** and select **Okay**.

To download a previously saved file: Navigate to the folder, select the file, and select **Download**. *To delete a previously saved file:* Navigate to the folder, select the file, select **Delete**, and select **Yes** to confirm.

Backing up a Customized Vocabulary File using AirDrop®, Google Drive™, or Email

1. In TouchChat, select **Vocab** and **Choose New Vocab**.

2. Tap **Menu** and select **Import/Export Vocab**.

3. Select **Export and Share**.

4. Select the vocabulary file you want to export.

5. Select **Done** and select the method you want to use to share the file.

   - **AirDrop:** Bluetooth® and Wi-Fi® must be active. You will see the nearby devices that have AirDrop on and can accept your file. Choose the device you want.
   - **Google Drive:** Requires Google Drive set up on the device and access to Wi-Fi.
   - **Email:** Requires an email account set up on the device and access to Wi-Fi.

Backing up a Customized Vocabulary File using Dropbox®

Note: You must have a Dropbox account. Wi-Fi must be active or you must have the Dropbox app on your device.

1. In TouchChat, tap **Vocab** and tap **Choose New Vocab**.

2. Tap **Menu** and select **Import/Export Vocab**.

3. Select **Dropbox**.

4. Select **Export to Dropbox**.

5. Sign into **Dropbox**.

6. Select the vocabulary file you want to export.

7. Select **Upload**. When "Upload Complete" appears, select **Okay**.

Exporting Vocabulary Files to a USB Drive from Your Device

1. Plug the USB flash drive into your device.

2. In TouchChat, tap **Vocab** and tap **Choose New Vocab**.

3. Tap **Menu** and select **Import/Export Vocab**.

4. Tap **Export and Share**.

5. Choose the vocabulary file you want to export.

6. Rename the file if you want and tap **Done**.

7. Tap **Save to Files**.

8. Select the USB drive to export the file to.

9. Tap **Save** at the top right corner. The vocabulary file is now saved to the USB drive.

Importing a Vocabulary File from a USB Drive to Your Device

1. Plug the USB flash drive that contains the vocabulary files to import into your device.

2. In TouchChat, tap **Vocab** and tap **Choose New Vocab**.

3. Tap **Menu** and select **Import/Export Vocab**.

4. Tap **Import from Files**.

   Note: A files window will list the vocabulary file you saved to the flash drive. You will only be able to select files that are in .ce, .prt, .wf, or pvf format.*

5. Select the file that you want to import into your device.

   Note: The files window will close and the import file information should appear on the Import Vocab screen. The vocabulary name will be displayed.

6. Edit the file information as needed.

7. Tap the **Import** button. The file will be imported into the vocabulary library on the device.

Importing Multiple Vocabulary Files from a USB Drive to Your Device

1. Plug the USB flash drive that contains the vocabulary files to import into your device.

2. In TouchChat, tap **Vocab** and tap **Choose New Vocab**.

3. Tap **Menu** and select **Import/Export Vocab**.

4. Tap **Import from Files**.

   Note: A files window will list the vocabulary files you saved to the flash drive. You will only be able to select files that are in .ce, .prt, .wf, or pvf format.

   Important! A **Select** button should be displayed. Alternatively, the **Select** button might be located inside of a menu with an icon which is a circle with three dots. This depends on the device's screen size and orientation.

   If multiple importable files are not listed in the location that opens, the **Select** button may not be available at all, even if you navigate to a location that does have multiple files. If this happens, you can first select the location where multiple files are located, then Select Cancel and reopen the import from files window.

5. Tap the **Select** button to start multiple file selection mode.

6. Choose all of the files that you wish to import, or tap the **Select All** button.

7. After selecting files, tap the **Open** button to prepare them for import.

   Note: Tapping the Done button will cancel multiple file selection mode.

8. When you tap **Open**, the files window will close and all of the selected files should be listed on the Import Vocab screen.

9. Each file can be selected by tapping it in the list. A checkmark will appear next to the selected file.

10. Edit the file information as needed.

11. Tap the **Import** button. The files will be imported into the vocabulary library on the device.
    - Once a file has been imported, it will be removed from the list of files to import.
    - Files can be removed from the import list by left-swiping on the item.
    - If you tap the Done button, any remaining files that have not been imported will be removed from the list and not imported. The screen will then close.
    - When the last file has been imported, the Import Vocab screen will close automatically.

Choosing a Voice

Because there are many voice options, voices are downloadable. If you only download and install the voices you need, you can save a lot of storage space on your device.

Note: Some voices are only available at a cost. These voices must be purchased from the Upgrade Store before they are available in the Voice list. The Upgrade Store is not available from a TouchChat Lite app.

You can adjust the rate of speech for the voice you select. For some voices, you can also adjust the pitch and add a delay between individual words. To select a voice and adjust speech settings, tap **Menu** and select **Settings**.

Changing the Voice

To change the voice you use to communicate, scroll down to the **Speech** section. The Voice setting displays the voice currently selected.
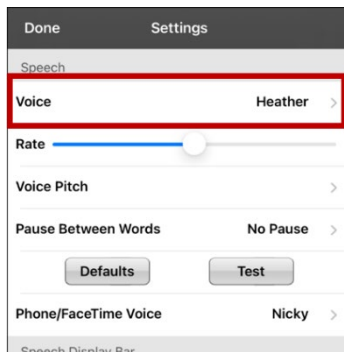
To download and install a different voice, tap **Voice** to open a list of available voices. Voices are listed by language. To add voices in additional languages, see "Adding Voices in Additional Languages" on page 24.
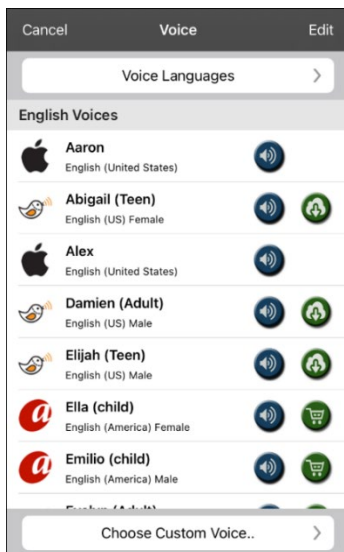
- The voice currently selected displays a checkmark .

- To hear how a voice sounds, select the speaker icon. Listen to several voices.

- To purchase a new voice, select shopping the cart icon.

- When you find the voice you want, select the download icon to download and install it.

- To select a custom voice, tap **Choose Custom Voice** and select a custom voice option. For details, see "Creating Your Voice with Voice Keeper" or "Setting up Your VocaliD™ Voice".

Adjusting the Voice

Adjusting the Rate of Speech

In the Speech section, use the **Rate** slide bar to modify the rate of speech.

Adjusting the Pitch and Adding a Pause

To adjust the pitch, select **Voice Pitch** and then choose Lowest, Lower, Low, Normal, High, Higher, or Highest. *Note:* This option is not available for all voices.

To add a delay between individual words, select **Pause Between Words** and choose 1 Second, 2 Seconds, or 3 Seconds. If you don't want a delay between words, choose **No Pause**. *Note:* This option is not available for all voices.

Testing Your Speech Settings

To hear how the selected voice sounds at the current settings, select **Test**. If necessary, adjust the speech settings and select **Test** several times.

If you decide to restore all speech settings to their default values and start over, select **Defaults**. A message warns that all speech settings will return to their default values. If you want to restore the default settings, select **Continue**. If you want to keep the current settings, select **Cancel**.

When you finish changing speech settings, choose **Done**.

Adding Voices in Additional Languages

1. Tap **Menu** and select **Settings**.

2. Scroll down to the **Speech** section. The Voice setting displays the voice currently selected.
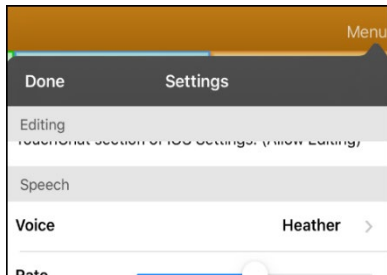
3. Tap **Voice** to open a list of available voices. Voices are listed by language.
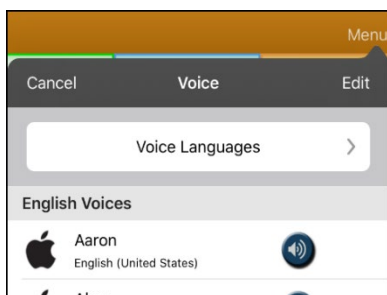
4. Tap **Voice Languages**. The current voice languages are listed.
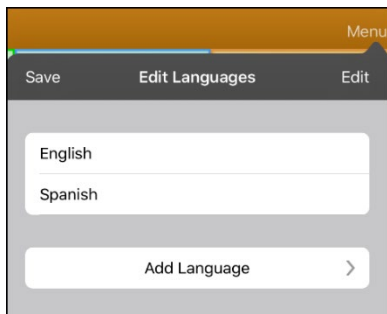
5. Tap **Add Language** to open a list of available voice languages.
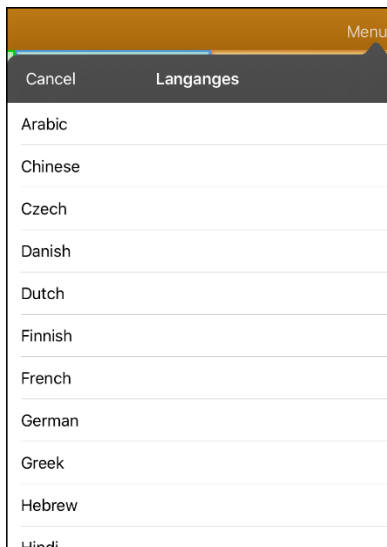
6. Select the language you want. It will be added to the list of available voice languages. For example:
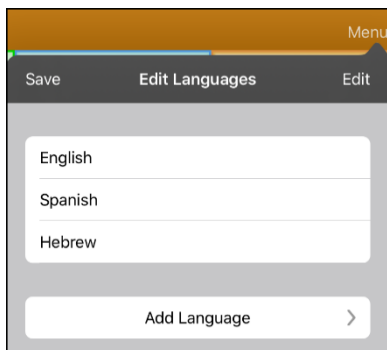
7. Tap **Save**. The list of voices will now include voices available in that language.

Deleting a Voice Language

1. Tap **Menu** and select **Settings**.

2. Scroll down to the **Speech** section. The Voice setting displays the voice currently selected.
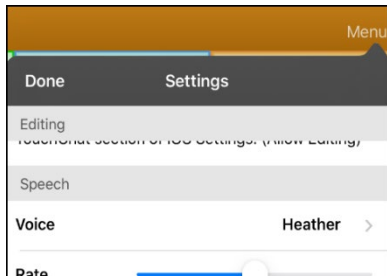
3. Tap **Voice** to open a list of available voices. Voices are listed by language.
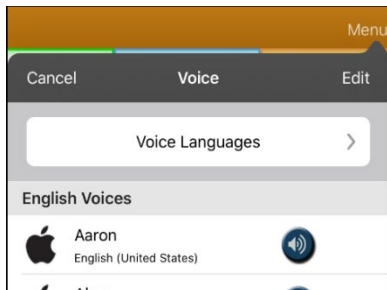
4. Tap **Voice Languages**. The current voice languages are listed. For example:
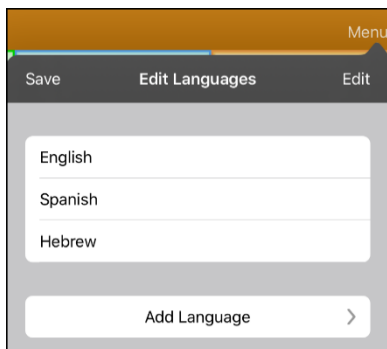
5. Tap **Edit**. Red icons appear in front of each voice language.
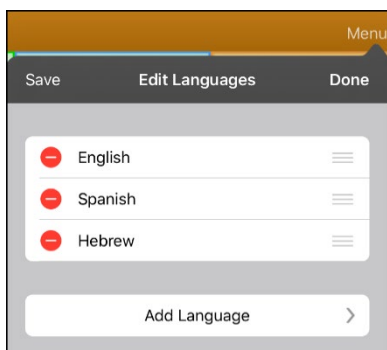
6. Tap the icon for the voice language you want to delete. Delete will appear after the voice language.
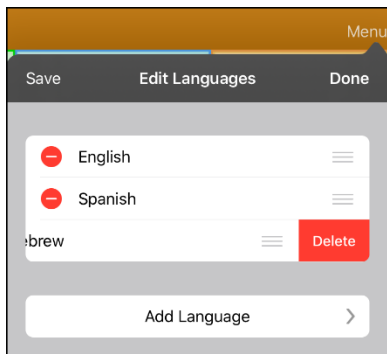
7. Tap **Delete**. The language will be removed from the List.

8. Tap **Save**.

Creating Your Voice with Voice Keeper

1. Enable a Wi-Fi connection.

2. To use the voice with the app, tap **Menu** and select **Settings**.

3. Scroll to the Speech section, tap **Voice**, and select **Choose Custom Voice**.
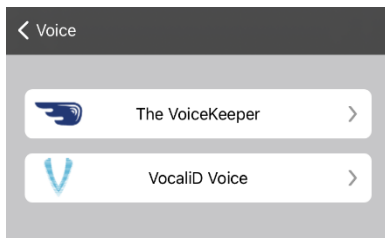
4. Select **The VoiceKeeper**.

5. Select **Create Your Voice Now**.

   Note: If you already created a voice, select **Connect to Your Voice** and choose the appropriate voice option. The voice will download automatically and be set as your new voice. Select **Done**.

6. Read the information on the page that opens.

7. Scroll down the page and enter your email address and create and confirm a password.

8. Tap **Create account**.

   Note: If you already have an account, tap **Login/existing account**.

9. Follow the instructions on the Voice Keeper website to create your voice. As you record your voice, keep in mind the following tips:

   - Record on a computer with a USB headset/microphone *or* record on an iPhone® using the built-in microphone.

   - Ensure you are recording in a quiet, echo-less room.

   - Although you get a sample of your voice in only 3 minutes (30 sentences), recording 200-300 sentences provides about 80% of optimal quality. The more you record, the better your synthesized voice will be.

   - Speak naturally. Don't try to narrate or emphasize pronunciation. Be yourself when you read.

   - Re-record a sentence if you make a mistake.

10. Try out your voice on the website. If you decide to use it with your PRC-Saltillo app, follow the instructions on the website to deploy the voice to your app.

To use your custom voice:

1. To use the voice with the app, tap **Menu** and select **Settings**, scroll to the Speech section, tap **Voice**, and select **Choose Custom Voice**.

2. Select **The VoiceKeeper**.

3. Select **Connect Your Voice**.

Setting up Your VocaliD™ Voice

1. Enable a Wi-Fi connection.

2. Choose tap **Menu** and select **Settings**.

3. Scroll to the Speech section, tap **Voice**, and tap **Choose Custom Voice**.
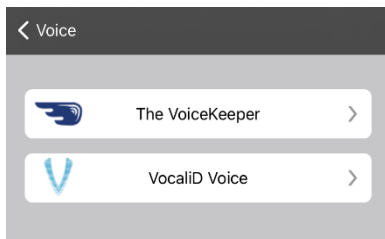
4. Select **VocaliD Voice**. A VocaliD Sign In screen is displayed.
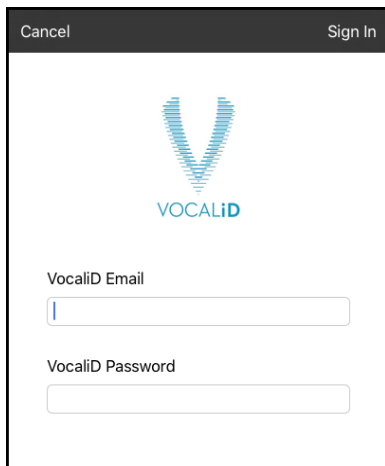
5. Enter your VocaliD email address and VocaliD password.

6. Tap **Sign In** in the upper right corner to display a Download Voice prompt.

7. Tap **Download Voice**. "Downloading Voice" will be displayed.

8. When the download is complete, "New Voice Installed" will be displayed.

9. Tap **Okay**.

10. Tap **Done**. The downloaded VocaliD voice is now your primary voice.

11. Test the voice and adjust the rate and pitch as needed.

Changing How a Word is Pronounced by a Voice

Note: Before changing the pronunciation of a word, be sure that the voice you want to use is selected. Pronunciation lists are unique for each voice synthesizer. For example, Apple voices and Voice Keeper voices have separate pronunciation lists.

1. Tap **Menu** and select **Edit Pronunciations**.

2. Tap **+**.
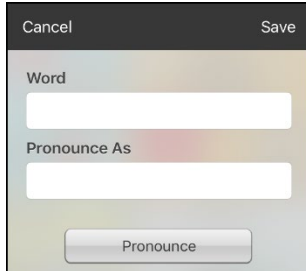
3. In the space under Word, type the correct spelling.

4. In the space under Pronounce As, type the word phonetically (the way it should be pronounced). Tap **Pronounce** to determine if it is pronounced correctly. If not, change the spelling until the word is pronounced correctly.

5. Tap **Save** and tap **Done**.

   - If the word already exists in the Pronunciation list, scroll up to find the word and then tap the word to edit to the correct pronunciation.

   - For information on changing a pronunciation for a specific button, see "Changing the Pronunciation of a Word in a Button Message".

Speaking after Every Character, Word, or Sentence

You can configure the TouchChat app to speak after every character, every word, every sentence, or any combination of these settings. Tap **Menu** and select **Settings** and scroll to the Speak section.
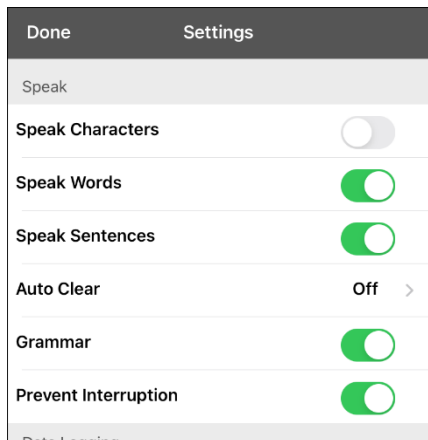
Speak Characters

When this setting is turned on, each character will be spoken as entered.

Speak Words

When this setting is turned on, each word will be spoken as entered.

Speak Sentences

When this setting is turned on, each sentence will be spoken as entered.

Using ChatEditor with TouchChat

ChatEditor™ is a supplemental program that runs on a Microsoft® Windows® desktop or laptop computer. It allows you to customize vocabulary files. Although customizing is also possible on the device itself, the Editor allows the family and/or professionals to customize the vocabulary when the device is not present.

Note: Having the custom vocabulary on a computer is recommended as a backup to the device. See "Copying a Vocabulary File from the Device to ChatEditor using iTunes".

Downloading and Installing ChatEditor

Important! With software release 2.0, we replaced Touch Chat Windows Editor with ChatEditor. If you have used Touch Chat Windows Editor in the past, it will no longer work with 2.0 files or newer.

The installation process installs ChatEditor on your computer and creates a desktop shortcut to the ChatEditor application.

Hint: To see a video that explains how to download and install ChatEditor, go to

http://touchchatapp.com/support/videos/touchchat-chat-editor-installation

To download and install ChatEditor:

1. Go to http://touchchatapp.com/support/software-updates

2. Under "ChatEditor for Windows", select the <u>Download version</u> link.

3. Save the downloaded ChatEditor_x.x.x_Setup.exe file to your desktop.

4. Double-click the ChatEditor_x.x.x_Setup.exe file to start the installation process.

5. Select the language you want to use for the installation and click **OK**.

6. Click **Next**, accept the license agreement, and click **Next**.

7. Click **Install**. When the installation process is complete, click **Finish**. You should see a desktop shortcut to the ChatEditor application.

Configuring ChatEditor

1. Double-click the ChatEditor desktop shortcut to open ChatEditor.

2. Select **TouchChat** from the Choose Product window and click **OK**.

3. Select your language from the Choose Language window and click **OK**.

4. Select one or more symbol sets from the Choose Symbol Sets window.

    Important! This symbol set must match what is on the device you are supporting.

5. Click **OK**.

6. Type a descriptive name for the configuration in the Enter Name window and click **OK**.

7. ChatEditor will open.

Note: You may need to set up multiple configurations if you support more than one client.

Enabling Speech in ChatEditor

When you install ChatEditor, a message similar to the following will be displayed:

Speech is currently disabled.
Please connect a TouchChat device to this computer to enable speech.

Choose **OK** to close the message.

To enable speech in ChatEditor, simply connect a USB cable between your computer and your device.

Test the Editor to verify that speech is working. Then disconnect the cable. Speech will now be enabled whenever you use the Editor; you will not need to re-connect the cable.

Opening ChatEditor

To open the Editor for normal use after you have set up a configuration, choose the ChatEditor shortcut from your computer's desktop. The Editor will open on your computer.

Using ChatEditor to Create Instructional Materials

Capture sequences of buttons from screens in ChatEditor to paste into instructional materials you create such as Word documents, PowerPoint presentations, flash cards, etc.

1. In ChatEditor, choose **Capture** in the top section of the Editor window. The Button Capture window will open.

2. With **Capture Selections** selected, start selecting the buttons you want to appear in your document. Each button you select will be captured in the Button Capture window.

3. When you finish capturing a sequence of buttons, choose **Copy to Clipboard**. The sequence will be cleared from the Button Capture window.

   Hint: If you make a mistake and want to remove a sequence of buttons from the Button Capture window, select **Clear** and start a new sequence.

4. In your document, insert the cursor and select **Paste**. The sequence will be pasted into the document.

5. Capture the next sequence.

6. When you finish capturing sequences, select **Exit** to close the Button Capture window.

Notes on Capturing Button Sequences

If you need to try several sequences to find the one you want, turn off Capture Selections. Once you decide what you want to capture, turn Capture Selections back on.

If you make a mistake, select **Clear** and start capturing the sequence again. Keep in mind that Clear removes **all** captured content from the Button Capture window.

Transferring a Vocabulary File from ChatEditor to the Device using iTunes

1. Open ChatEditor on your computer.

2. Select **Library** > **Transfer** > **Vocabs to File**. The Transfer box will appear.

3. Highlight the file you want to transfer and click **Transfer** in the top left.

4. Save your vocabulary file to your computer (remember where you save it).

5. Connect the device to the computer.

6. Open iTunes on the computer.

7. In iTunes on the computer, click the small device icon in the upper left portion of the window.
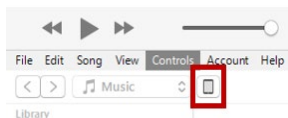
8. In the window that opens, click **File Sharing** on the left.

9. In the Apps column, select the **TouchChat** app. "Add File" should appear in the lower right-hand section.

10. Tap **Add File**. An Add window opens.

11. Locate the file you want to add to your device and tap **Open**.

12. The file should appear in the TouchChat Documents section.

13. In TouchChat on your device, select **Vocab** and **Choose New Vocab**.

14. Tap **Menu** and select **Import/Export Vocab** and then **Export to iTunes**.

15. Select the file you want to import and select **Save** in the top right portion of the screen. Your imported file should appear in the list of vocabularies.

16. Select the file.

Copying a Vocabulary File from the Device to ChatEditor using iTunes

1. Connect the device to the computer.

2. Open iTunes on the computer.

3. In TouchChat, select **Vocab** and **Choose New Vocab**.

4. Tap **Menu** and select **Import/Export Vocab** and then **Export to iTunes**.

5. From the menu that opens, select the vocabulary file you want to export and select **Save**.

6. In iTunes on the computer, click the small device icon in the upper left portion of the window.

7. In the window that opens, click **File Sharing** on the left.

8. In the Apps column, select the **TouchChat** app.

9. From the column under **TouchChat Documents**, select the vocabulary file you are exporting.

10. Click **Save** on the bottom right. A Save window will open.

11. Navigate to the folder in which you want to save the file and click **Select Folder**.
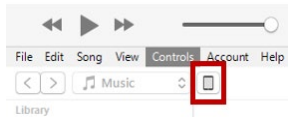
12. Click **Done** and exit from iTunes.

Activating Edit Mode

You can only edit a copy of a vocabulary file, not the original. To make a copy, see "Copying a Vocabulary File".

1. Go to the page you want to edit.

2. Tap **Menu**.
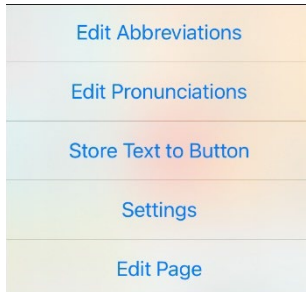
3. Select **Edit Page**. The page is now in Edit Mode.

Working with Buttons

What a button speaks, how it appears, what icon is shown, what action the button performs, and the location of a button can be modified. All button modifications are performed in Edit Mode.

Editing a Button

1. Go to the page you want to edit.

2. Tap **Menu** and select **Edit Page**. The page is now in Edit Mode.

3. Tap the button you want to modify. A menu opens.

> Edit This Button
>
> Change Button Size
>
> Remove Button From Page
>
> Copy Button
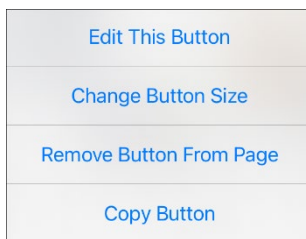
4. Select **Edit This Button**. A window opens that will allow you to modify the button.

5. Select the menu option or options you want to use.

6. Tap **Save** to save your changes.

7. Tape **Done** to exit Edit Mode.

Changing a Button Label or Message

1. Tap **Menu** and select **Edit Page**.

2. Tap the button you want to modify.

3. Select **Edit This Button**.

4. Tap in the Button Label area to change the label that will be displayed on the button.

5. Tap in the Button Message area to change the message that will be spoken.

6. Select **Save** and **Done**.

Changing the Pronunciation of a Word in a Button Message

1. Navigate to the page that contains the button you want to edit.

2. Tap **Menu** and select **Edit Page**.

3. Tap the button and select **Edit This Button**. The Edit Button window opens.

4. Tap in the box below **Alternate Pronunciation**. A keyboard opens.

5. Enter the pronunciation you want.

6. Tap the speaker icon 🔊 to hear how the pronunciation you entered sounds.

7. Modify the pronunciation as often as necessary until the word is pronounced the way you want it.

8. Tap **Save**. To save the pronunciation.

9. Tap **Done** to exit edit mode.

10. When you choose the button to add it to the SDB, the word will be spoken using the pronunciation you entered.

    - If you later edit the button and change the message, the SDB will no longer speak the alternate pronunciation.
    - If a button appears in multiple locations, each can have its own alternate pronunciation.
    - For information on changing a pronunciation for a specific voice synthesizer, see "Changing How a Word is Pronounced by a Voice".

Adding or Changing a Button Action

To add a button action:

1. Tap **Menu**, select **Edit Page**, tap the button you want to modify, and select **Edit This Button**.

2. Scroll down to the Button Actions section.

3. Tap **Add**.

4. Scroll through the list of actions and tap the action you want. It will be added below the existing action for the button.

5. Tap **Save** and **Done**.

To change a button action:

1. Tap **Menu**, select **Edit Page**, tap the button you want to modify, and select **Edit This Button**.

2. Scroll down to the Button Actions section.

3. Tap the existing action. The list of available actions will be displayed, with the existing action selected.

4. Tap the new action you want. The new action will replace the old action under Button Actions.

5. Tap **Save** and **Done**.

Removing or Changing the Order of an Action

1. Tap **Menu**, select **Edit Page**, tap the button you want to modify, and select **Edit This Button**.

2. Scroll down to the Button Actions section.

3. Tap **Edit**. The Delete/Rename icon ⊖ will appear in front of each action linked to the button.
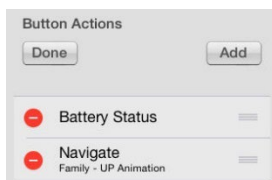
4. To remove an action, tap the Delete/Rename icon ⊖ and then tap **Delete**. To rearrange the order of the actions, touch and hold the gray bars ≡ to the right of an action and drag the action into the correct position.

5. Tap **Done**.

6. Tap **Save** and **Done**.

Available Button Actions

Action	Description
Add Message to Display	Inserts text from the button's Message box in the Speech Display Bar (SDB), but the words are not spoken
Add Time/Date	Displays the current date and time in the SDB
Apply Grammar Property	Identifies a word as an adjective, noun, or verb
Apply Grammar State	Applies a grammar rule to a word
Apply Modifier	Applies the modifier that you selected to another button. A modifier is a special key on a keyboard that modifies the normal action of another key. (Caps Lock, Ctrl, Functions, Num Lock, Shift)
Backspace Key	Deletes the last character in the SDB
Battery Status	Displays the current battery status in the SDB
Calculator	Opens a pop-up window with a functioning calculator
Cancel Visit	Clears all remaining visits
Center Head Tracking	Centers the cursor in respect to the user's current head position
Character Prediction	Sets the prediction order for character prediction buttons on a keyboard page. Tap Character Prediction to open the Prediction Order list. The number you select will determine how likely the character currently displayed in the SDB is to be displayed on the button. Options range from Number 1 (the most likely) to Number 10 (the least likely).
Clear All Modifiers	Releases any Shift, Caps, Ctrl, or Num Lock modifiers
Clear Display	Clears the text from the SDB
Clear Grammar State	Clears a grammar rule that has not been applied to a word
Clear Last Word	Deletes the last word from the SDB
Cursor Mode	Changes the cursor movement mode: Cycle, Character, Word, or Sentence. If you select **Cycle**, pressing the button toggles among Character, Word, and Sentence modes. Each time you tap the button, the button label changes according to the current mode (even if you created your own button label). If you select **Character**, pressing the button moves the cursor left or right by one character. If you select **Word**, pressing the button moves the cursor left or right by one word. If you select **Sentence**, pressing the button moves the cursor left or right by one sentence.
Data Logging On/Off	Toggles data logging on and off. Data logging allows your device to collect language usage data that you can upload to the Realize Language website for web-based analysis.
Enable Assistive Touch	Enables iOS Assistive Touch. Navigate out of the TouchChat app and take advantage of iOS accessibility features within Assistive Touch.
Grammar Action	Changes the existing word to the chosen grammatical form, add –ed, add –en, add –er, add –est, add –ing, Add –s
Help Signal	Triggers a loud attention-getting sound
Jump to Page	Takes you to a new page for a single hit and then takes you back and does not remember any unused visits.

Action	Description
Move Cursor	Moves the cursor in the SDB left, right, up, or down. If you select left or right, pressing the button will move the cursor left or right by one character, word, or sentence within a line in the SDB. If you select up or down, pressing the button will move the cursor up or down by one line in the SDB.
Navigate	Takes you to a pre-defined page
Navigate Back	Takes you to the previous page
Navigate to Home	This option takes you to the home page of the vocabulary file.
Open App	Opens a specific iPad® app from a vocabulary page. *Not available on a dedicated device*.
Open Website	Takes you directly to the website linked to the button. When you select Open Website, you will be prompted to enter the website's URL. When Restricted View is turned on, the user cannot go beyond the first page of the website.
Pause/Resume Speech	Pauses any speech that is currently playing—for example, a speech message or a recorded speech. Activating this action again will resume the paused speech.
Pause/Resume Tracking	Pauses or resumes head tracking. Create a Pause/Resume button if you want a larger area to access than the smaller "Pause" and "Resume" options that appear on the navigation bar. When tracking is paused, the button turns red.
Place Cursor	Inserts the cursor in the SDB. The SDB and the button will also change to Cyan (a greenish-blue color) to indicate Place Cursor mode. When you enter additional text, the SDB will exit Place Cursor mode. To exit Place Cursor mode without entering additional text, simply tap the button. Notes: If the cursor is inserted at the end of the SDB, it will not appear if "Visible Cursor" is turned off in Settings > Speech Display Bar. If "Allow Place Cursor" is turned on in Settings > Speech Display Bar, Place Cursor will appear as an option in the SDB context menu, allowing you to press and hold on the SDB to place the cursor without setting up a Place Cursor button.
Play Library Audio	Plays an audio file from the user's media library. *Not available on a dedicated device*.
Play Recorded Speech	Plays recordings of someone speaking.
Play Video	Plays a video file or YouTube video file. *The file must be stored on the device*. Add the Play Video action to a vocabulary button and tap the button whenever you want to play the video. See "Setting up a Button to Play a Video" on page 96 or "Setting up a Button to Play a YouTube™ Video" on page 97.
Record Speech	Records someone speaking.
Repeat Last Spoken	Repeats the last spoken message
Select Profile	Changes Settings to match the saved set of settings, saved as a profile
Speak	Pronounces the text in the SDB
Speak Label Only	Speaks the button label, but does not display it in the SDB
Speak Last Sentence	Speaks only the last sentence in the SDB
Speak Last Word	Speaks only the last word in the SDB
Speak Message Only	Speaks the button message, but does not display it in the SDB

Action	Description
Speech Message	Speaks the button message and displays it in the SDB
Stop Library Audio	Stops audio and video files from the user's library. *Not available on a dedicated device*.
Stop Scan	Stops a scan that is in progress
Stop Speech	Stops the speech file currently playing
Store Text to Button	Stores text currently displayed in the SDB to the button you select
System Keyboard	Opens the iPad keyboard
Take a Photo	Activates the device camera so you can take pictures that will appear on a button and will also be saved with other images on the device.
Text Copy	Copies the text in the SDB to the system clipboard. The copied text can then be pasted into other apps. *Not available on a dedicated device*.
Text Paste	Pastes the text from the system clipboard into the SDB. This allows text from other apps to be pasted into the TouchChat app. *Not available on a dedicated device*.
Text Share	Shares the text in the SDB using email, SMS text, the social network services Facebook and Twitter, or the blogging service Tumblr. *Not available on a dedicated device*.
Texting - Navigate to Conversations	Allows to you add a texting button to a customized vocabulary. Use the button to open your texting app.
Toggle Mute/Unmute	If the device is currently speaking a long message, selecting this button will not stop the speech but stop the speech from being spoken aloud. Selecting the same button again lets the text be heard.
Visit	Takes you temporarily to a previously predefined page and activates a different operational mode—visit mode. Visit mode records the pages and their sequence of loading. Termination of Visit mode is caused by activation of a different type of button and returns the user to the initial page.
Visit Exception	If you have one button on a Visit page that you don't want to return to the previous page, use a Visit Exception action to leave it on the page for one additional hit.
Volume Down	Turns the volume down
Volume Up	Turns the volume up
Webhook	Adds a webhook action to a button
Whiteboard	Turns a button into a free-format drawing surface. Select the pen color and width, erase or undo while drawing, and load drawings and save them by name.
Word Finder	Finds the path to a word you are looking for. This action opens a Word Finder window. Enter a word and select **Find**. One or more paths to the word are displayed. Select a path and follow it to the word.
Word Prediction	Sets the prediction order for word prediction buttons on a keyboard page. Tap Word Prediction to open the Prediction Order list. The number you select will determine how likely the word currently displayed in the SDB is to be displayed on the button. Options range from Number 1 (the most likely) to Number 10 (the least likely).

Inserting Special Characters

Sometimes you may need to insert a special character in a word that you type, such as a letter with an accent; for example, **ó**.

On the keyboard, press and hold the applicable character key. A small menu of special characters available for that character will open above the key. Select the special character you want.

For example, to insert the special character ó, you would hold down the "**o**" key on the keyboard and select **ó** from the small menu.

Adding an Image to a Button: Enter a Label and Browse

1. Tap **Menu** and select **Edit Page**.

2. Tap the button and select **Edit This Button**.

3. Enter a label and message for the button.

4. Tap the small arrow that appears to the right of the image area.

5. An image related to your label will be displayed with arrows on the left and right.
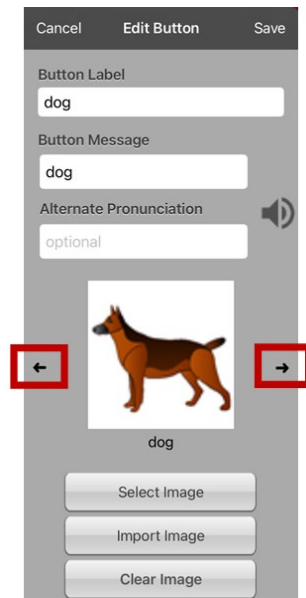
6. Use the arrows to scroll through available images.

7. When you find the image you want, tap **Save**.

8. Tap **Done** to exit edit mode.

Adding an Image to a Button: Search

1. Tap **Menu** and select **Edit Page**.

2. Tap the button and select **Edit This Button**.

3. Tap **Select Image**.

4. Tap the magnifying glass icon at the top right.
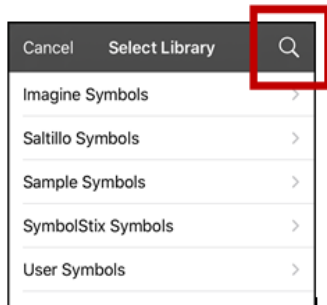
5. Enter an image name or description.

6. Tap **Search** on the keyboard. Image names will be listed with preview images.
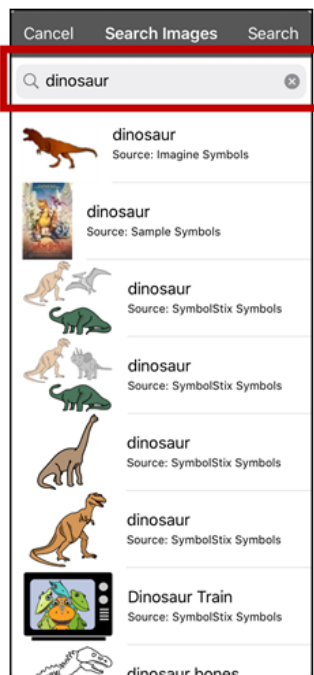
7. Select the image you want.

8. Tap **Save**. Tap **Done** to exit edit mode.

Adding an Image to a Button: Select Categories

1. Tap **Menu** and select **Edit Page**.

2. Tap the button and select **Edit This Button**.

3. Tap **Select Image**.

4. Tap an image category and subcategory (when available).
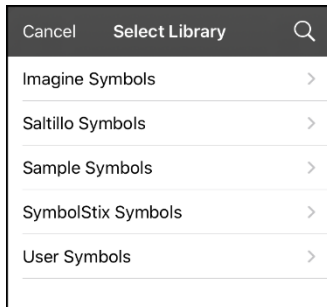
5. Image names will be listed with preview images.
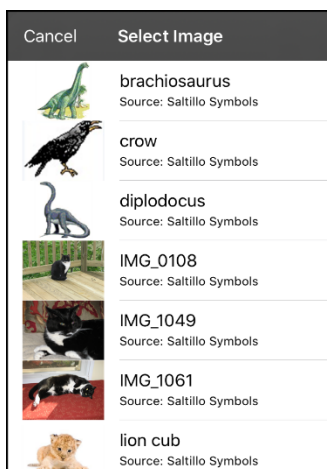
6. Scroll through the images and select the one you want.

7. Tap **Save**. Tap **Done** to exit edit mode.

Adding an Image to a Button: Import

This option provides access to pictures that have already been taken and saved on the device.

1. Tap **Menu** and select **Edit Page**.

2. Tap the button and select **Edit This Button**.

3. Tap **Import Image**. A small menu will open.

4. Tap **Image Library**. Collections of images will be listed.

5. Tap a collection. Preview images will be displayed.

6. Tap the image you want and tap **Use**.

7. Enter a name for the image and tap **Done**.

8. Tap **Save**. Tap **Done** to exit edit mode.

Adding an Image to a Button: Take a Picture

1. Tap **Menu** and select **Edit Page**.

2. Tap the button and select **Edit This Button**.

3. Tap **Import Image**. A small menu will open.

4. Tap **Camera**.

5. Press the camera button.

6. Tap **Use Photo** and enter a name for the image.

7. Tap **Done** and tap **Save**. Tap **Done** to exit edit mode.

Changing the Skin Tone of People on Buttons in a Vocabulary

Note: This feature applies to SymbolStix images only.

Use the Skin Tone feature to change the skin tone of people displayed on buttons in a vocabulary.
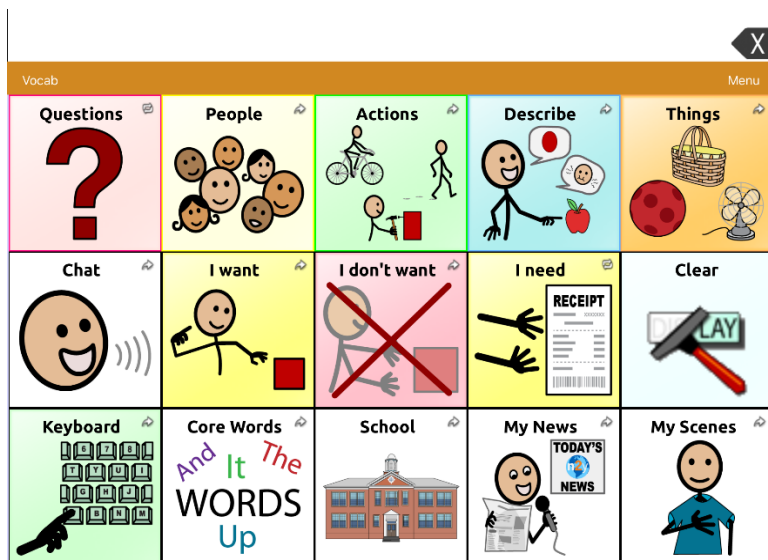
1. Tap **Menu**, select **Settings**, scroll to the Buttons section, and select **SymbolStix Skin Tone**.

2. A choice of skin tones will be displayed. A checkmark indicates the current selection.
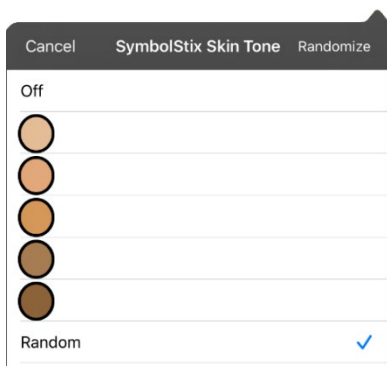
- When **Off** is selected, images of people show their default skin tones.
- When one of the five specific skin tones is selected, all images of people will show that skin tone.
- When **Random** is selected, images of people will randomly show those five skin tones throughout the vocabulary file.

3. Select the skin tone option you want. Your selection will appear after the "SymbolStix Skin Tone" setting. For example:

 or
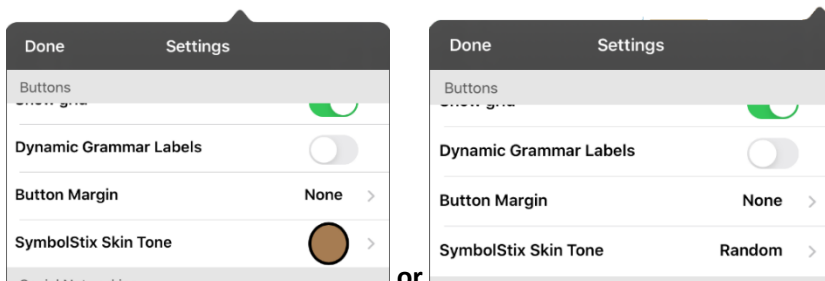
4. Select **Done**. As you navigate through your vocabulary, images of people will display the skin tone you selected or random skin tones.

If you selected one of the five specific skin tones, all images of people will show that skin tone.
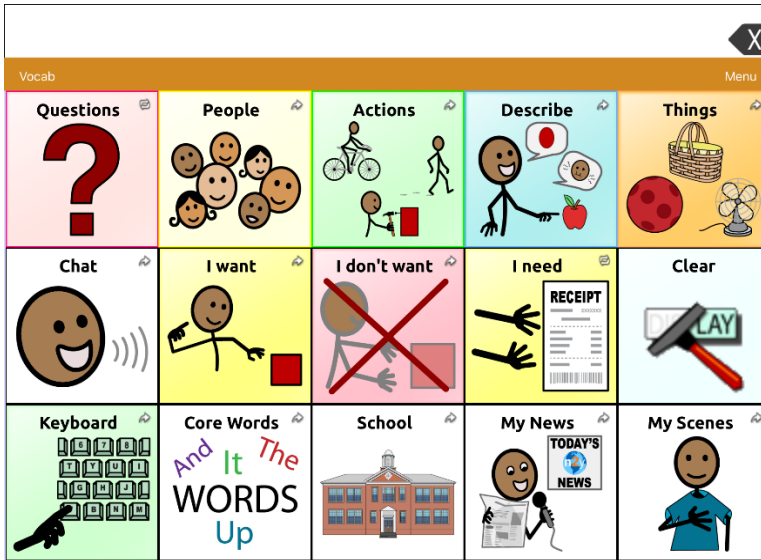
If you selected **Random**, images of people randomly show the five skin tones.
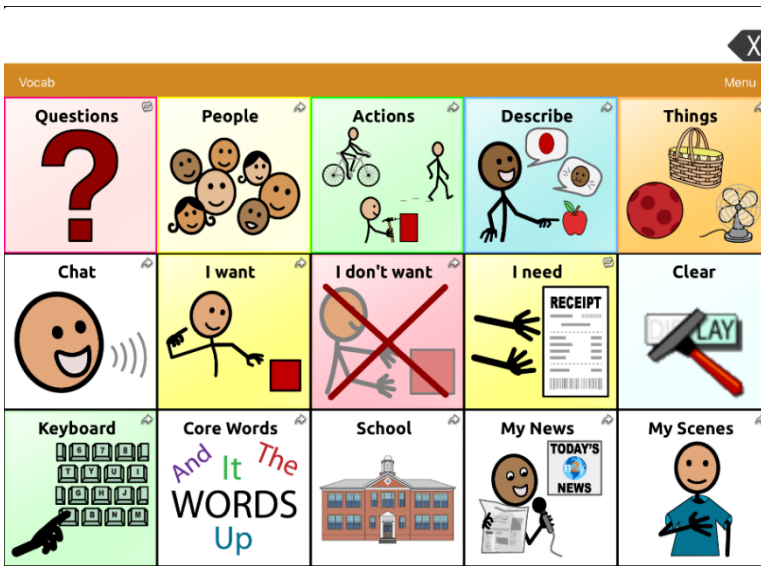
Changing the Skin Tone of People on a Specific Button

1. Navigate to the page that contains the button you want to edit.

2. Tap **Menu** and select **Edit Page**.

3. Tap the button and select **Edit This Button**. The Edit Button window displays the image of the person on the button.

    Note: The Skin Tone button only appears with buttons that display certain SymbolStix images of people.

4. Choose the **Skin Tone** button. A choice of skin tones will be displayed. A checkmark indicates the current selection.
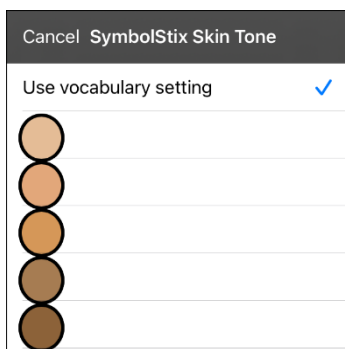
5. Select the skin tone you want to apply to the button.

6. Select **Save** to save the skin tone and select **Done** to exit edit mode. The image of the person on the button will display the skin tone you selected.

- If a skin tone is set in the vocabulary, the button setting overrides it.
- If you later replace the image with something other than a SymbolStix image of a person, the skin tone you selected will not be used.
- If you copy and paste the button style, the new skin tone will not be included.

Creating a Camera Button

Note: This feature provides an alternative so you don't need to enter Edit Mode to add a picture to a button.

You can create a button that allows you to take a picture that will be imported to the button automatically every time you tap the button. The picture will also be added to your library of imported images. Each time you press the button, a new image from the camera will replace the existing image on the button. If the old image on the button was imported and not used elsewhere, it will be deleted. An image will appear on the button until you press the button again.

To set up the button action:

1. Go to the page with the button location you want.

2. Tap **Menu** and select **Edit Page**.

3. Tap the button you want to use.

4. Select **Edit This Button**.

5. Add a label and message.

6. Scroll down to "Button Actions" and tap **Add** to open the list of actions.

7. Scroll down the list and tap **Take a Photo**.

8. The Take a Photo action will be added to the button's actions.

9. Tap **Save**. Tap **Done** to exit edit mode.

To take a photo for your button:

1. Tap the new button to activate the camera.

2. Press the camera button.

3. Tap **Use Photo**.

4. The photo will appear as the image on the button.

    Note: Each time you press the button, a new image from the camera will replace the existing image on the button.

To delete photos:

To delete photos, you must connect your device to your computer and remove the photos using Explorer from the computer.

Resizing a Button

1. Tap **Menu** and select **Edit Page**.

2. Tap the button you want to resize and select **Change Button Size**.

3. Select the number of rows and columns you want.

4. Tap **Save**. Tap **Done** to exit edit mode.

Changing a Button Style

1. Tap **Menu** and select **Edit Page**.

2. Tap the button you want to modify and select **Edit This Button**.

3. Scroll down to the area you want to edit.

4. Edit the font, font size, text color, body color, border color, and/or border width as needed.

5. Tap **Save**.

Changing a Button's Basic Colors

1. Tap **Menu** and select **Edit Page**.

2. Tap the button you want to modify and select **Edit This Button**.

3. Scroll down to the color settings and select **Text Color**, **Body Color**, or **Border Color**.

4. The Select Color window opens to the Default tab.
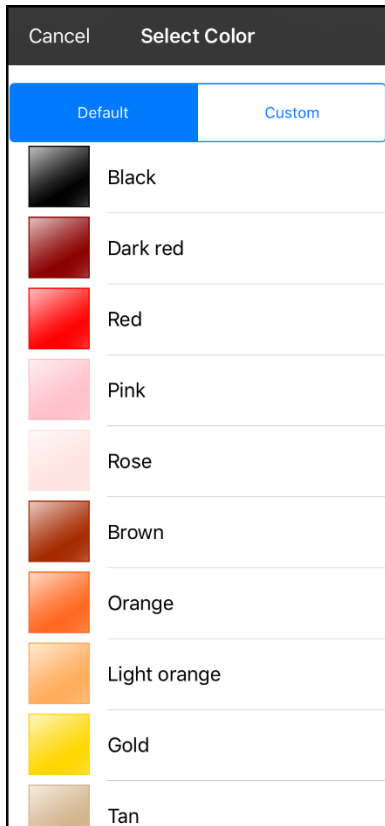
5. Select the color you want and tap **Save**.

Customizing a Button's Colors

1. Tap **Menu** and select **Edit Page**.

2. Tap the button you want to modify and select **Edit This Button**.

3. Scroll to the color settings and select **Text Color**, **Body Color**, or **Border Color**.

4. The Select Color window will open to the Default tab.

5. Select the **Custom** tab.
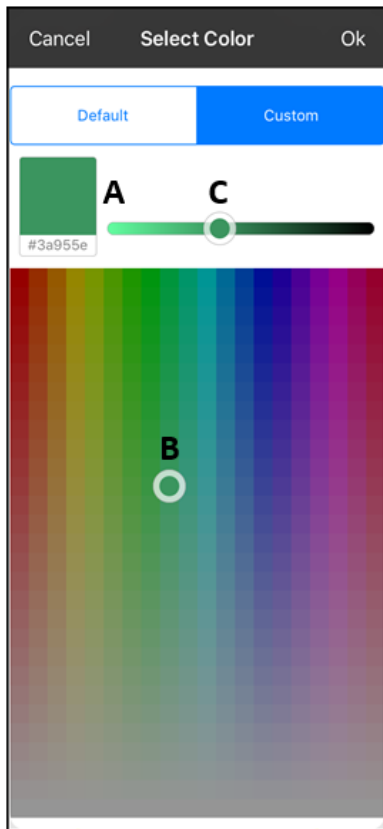
A. If you know the hex code for the color you want:

Tap the hex code at the bottom of the preview box. When a keyboard opens, enter the hex code. The preview box will show the color. Close the keyboard.

B. To create a custom color using the color selector:

Tap in the color gradient. The cursor will move to the spot you tapped, and the preview box will show the current color and its hex code. If necessary, tap different areas until the color you want is shown.

Hint: You can also drag the cursor to areas of the color gradient.

C. To adjust the color:

Tap the color gradient slide bar. The slider will move to that spot and the preview box will show the current color and hex code. Tap different spots along the slide bar until the color you want is shown.

Hint: You can also drag the slider along the slide bar. Release the slider when the color you want is shown.

6. When the preview box shows the color you want, select **OK**.

7. In the Edit Button window, select **Save**.

8. Tap **Done** to exit edit mode.

Creating a Button to Link to a Page

When a button action is set to Navigate or Visit you can determine what page that button will take you to. Navigate will take you to a New Page and leave you there requiring an additional button to be hit to return to your previous page or to the home page. Visit will take you there for one selection and immediately return to the previous page. The following linking button actions are available.

Navigate

Links to a new page and requires another button press to move away from this page

Visit

Links to a page for a single hit and then automatically goes back to the previous page

Jump to Page

Jump to Page takes you to a new page for a single hit and then takes you back to the page that has the jump to page button.

Navigate Back

Returns to the previous page

Navigate to Home

Links to the home page of the vocabulary file

To create a linking button:

1. Go to the page that includes the button that you want to link to a page.

2. Tap **Menu** and select **Edit Page**.

3. Tap the button that you want to link to a page.

4. Select **Edit This Button**.

5. Enter the label and message. (Entering a symbol is optional.)

6. Scroll to the Button Actions section and tap **Add**.

7. Select a navigation action for the button from the drop-down list (Navigate, Visit, Navigate Back, Navigate to Home). Navigate and Visit offer a listing of pages to link to. If you choose Navigate Back or Navigate to Home, skip to step 8.

8. Choose the page to navigate to or visit from the listing. If the page doesn't already exist, choose **+** and create a new page to link the button to. Tap an animation (how the page will appear as it navigates), or tap **No Animation**.

9. Tap **Save**. Tap **Done** to exit edit mode.

   Note: There may have been a previous action on this button. To remove that action, tap **Edit**, tap the Delete/Rename icon ⛔, tap **Delete**, and tap **Done**.

Storing Text on a Button

1. Go to the page that includes the button on which you want to store text.

2. Tap **Menu** and select **Edit Page**.

3. Tap the button on which you want to store text.

4. Select **Edit This Button**.

5. Name the button, and optionally create a message and modify the style.

6. Scroll to the Button Actions section and tap **Add**.

7. Scroll through the list of actions and tap **Store Text to Button**. The action will be displayed in the Button Actions section.

8. Tap **Save**. Tap **Done** to exit edit mode.

Note: Once a sentence or phrase has been constructed, it can now be saved on a button by navigating to the location of the Store Text button that you created. Tap the button, tap **Continue**, and tap the button in which you want to store the text. The text will appear in the button you selected, and each time you tap that button it will speak that saved text.

Creating a Volume Control Button

⚠ Excessive volume or sound pressure level when using earphones or headphones can cause hearing loss over extended periods of time.

You can add volume controls to buttons within vocabulary pages.

1. Go to the page on which you want to create the button.

2. Tap **Menu** and select **Edit Page**.

3. Press and hold on the button you want to use. A list of button options appears.

4. Select **Edit This Button**.

5. Add a button label and icon.

6. Under Button Actions, choose **Add**. A list of actions appears.

7. Choose either **Volume Up** or **Volume Down**.

8. Choose **Save**. Tap **Done** to exit edit mode.

Creating a Battery Status Button

You can create a button that displays the battery status of both the device and the amplifier in the Speech Display Bar (SDB).

1. Go to the page on which you want to create the button.

2. Tap **Menu** and select **Edit Page**.

3. Press and hold on the button you want to use. A list of button options appears.

4. Select **Edit This Button**.

5. Add a button label and icon.

6. Under Button Actions, choose **Add**. A list of actions appears.

7. Choose **Battery Status**.

8. Choose **Save**. Tap **Done** to exit edit mode.

Creating a Button to Show the Date and/or Time

You can create a button that will show the date, time, or both in the Speech Display Bar (SDB).

1. Go to the page on which you want to create the button.

2. In TouchChat, tap **Menu** and select **Edit Page**.

3. Press and hold on the button you want to use. A list of button options appears.

4. Select **Edit This Button**.

5. Add a button label and icon.

6. Under Button Actions, choose **Add**. A list of actions appears.

7. Choose **Add Time/Date**.

8. Choose one of the options: **Date and Time**, **Date Only**, or **Time Only**.

9. Choose **Save**. Tap **Done** to exit edit mode.

Copying and Pasting a Button

You can copy and paste buttons to new locations. If you modify a copy of a button, you will edit only the copy.

1. Tap **Menu** and tap **Edit Page**.
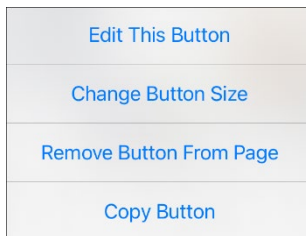
2. Tap the button you would like to copy. The Edit Button menu opens.

Edit This Button
Change Button Size
Remove Button From Page
Copy Button

3. Tap **Copy Button**.

4. Tap **Done**.

5. Go to the page where you want to add the copied button.

6. Tap **Menu** and tap **Edit Page**.

7. Tap the location you wish to copy the button to. The Edit Button menu opens with additional options.

Edit This Button
Change Button Size
Remove Button From Page
Copy Button
Paste Button Style
Paste Button
Use Same Button
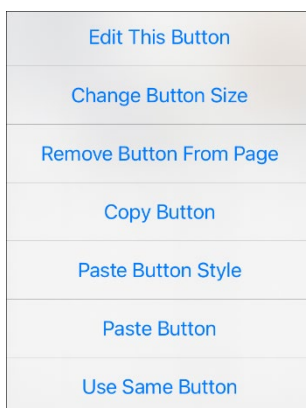
8. Tap **Paste Button**. The button you copied will appear in that location.

9. Tap **Done**. Tap **Done** to exit edit mode.

Copying and Pasting the Same Button

If you modify a button that is used in multiple locations, the button will also be modified automatically everywhere else it appears. You may want to use this technique on buttons that contain tools used on each page.

1. Tap **Menu** and tap **Edit Page**.

2. Tap the button you would like to copy. The Edit Button menu opens.

3. Tap **Copy Button**.

4. Tap **Done**.

5. Go to the page where you want to add the copied button.

6. Tap **Menu** and tap **Edit Page**.

7. Tap the location you wish to copy the button to. The Edit Button menu opens with additional options.

8. Tap **Use Same Button**. The button you copied will appear in that location.

9. Tap **Done**.

Copying and Pasting a Button Style

"Button Style" refers to the background color and the font size and options that are associated with a button. There are times when it might be faster to copy and paste a button's style from an existing button rather than editing each of these items on a new button.

1. Tap **Menu** and tap **Edit Page**.

2. Tap the button whose style you want to copy. The Edit Button menu opens.

3. Tap **Copy Button**.

4. Tap the location you want to copy the button to. The Edit Button menu opens with additional options.

5. Tap **Paste Button Style**. The button will display the pasted style.

6. Tap **Done**.

Moving a Button

1. Tap **Menu** and tap **Edit Page**.

2. Touch the button you want to move and drag it to another location.

   Note: When you start to drag the button, the original location will be outlined in red. As you move into the new location, the red outline will move to that location.
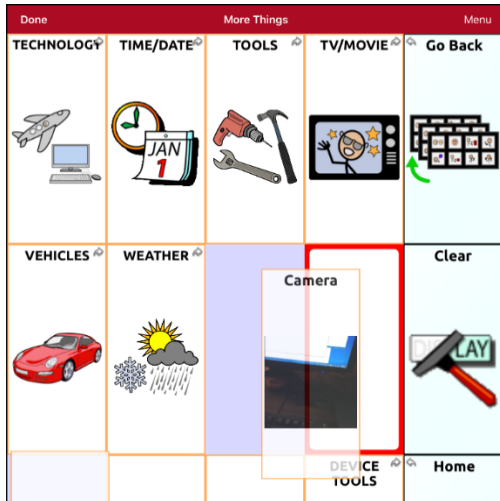
3. Upon release, the button will move to the new location. If there is already a button in the new location, it will move to the old location. The buttons will exchange locations.

Hiding Multiple Buttons at Once

There are times when presenting all buttons at once might be intimidating, or in order to complete a task a button or button set might need to be hidden. Hide Mode hides or redisplays all buttons and button sets. When you hide a button set, all buttons in that location on that page are hidden.

1. Tap **Menu** and tap **Edit Page**.

2. Tap **Menu** and tap **Hide Mode**.
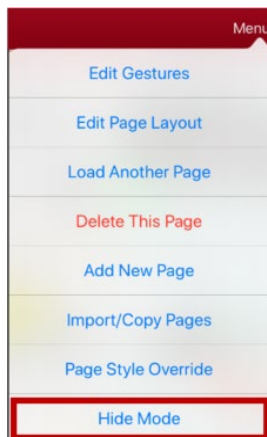
3. Tap the buttons and/or button sets you want to hide.

4. Choose **Done**. The buttons and/or button sets will be hidden. When you tap on a hidden area, it should not activate.

   Note: To redisplay a button or a button set, tap **Menu**, tap **Hide Mode**, tap a hidden button or hidden button set, and choose **Done**.

Hiding a Button

1. Tap **Menu** and tap **Edit Page**.

2. Tap the button you want to hide and select **Edit This Button**.
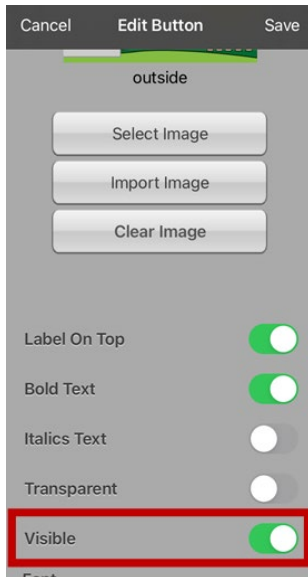
3. Turn **Visible** off.

4. Tap **Save**. Tap **Done** to exit edit mode.

Changing Button Timing

Tap **Menu** and tap **Settings**. Scroll down to the "Buttons" section.
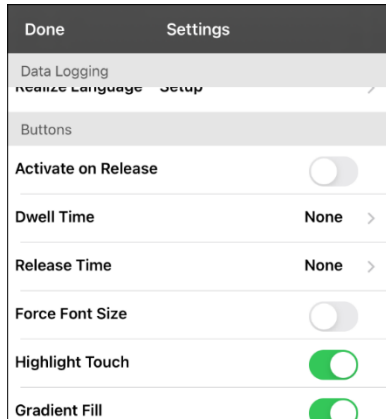
Activate on Release

When this setting is turned on, buttons are activated when released rather than when touched. This allows the device user to slide his or her finger across the screen before finally releasing on the button that he or she wants to select. To turn the setting on or off, tap the Activate on Release toggle switch.

Dwell Time

The dwell time setting controls the delay before a button press is recognized. When the user touches a button, a slight dimming and a white square box identifies the chosen button. As long as the user continues to keep his or her finger inside the button area the dwell timer counts down. Once the time is reached, the button press is accepted. To set a dwell time, tap **Dwell Time** and select a value from 0.1 Seconds to 5.0 Seconds.

Release Time

Release time applies to buttons and to the SDB.

Buttons: Release time is intended to help prevent accidental double button activations. When the time is set, all buttons are disabled for the specified period of time after a button is activated.

SDB: Release time is intended to prevent accidental speaking of words displayed in the SDB twice. When the time is set, the SDB is disabled for the specified period of time after the user taps the SDB to speak the words displayed. The Release Time setting does not affect the SDB Clear button (**X**).

To set a release time, tap **Release Time** and select a value from 0.1 Seconds to 5.0 Seconds.

Hiding and Showing Button Navigation Arrows

Buttons that navigate to new pages display a small arrow in the top right corner.
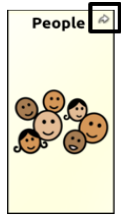
To hide or show all navigation arrows:

1. Tap **Menu** and select **Settings**.

2. Under Navigation, turn **Button Navigation Icons** on.
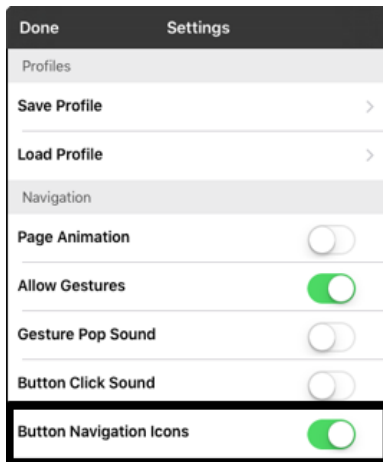
Adding Extra Space around Buttons

1. Tap **Menu** and select **Settings**.

2. Scroll to the Buttons section.

3. Select **Button Margin**.

4. Select a margin size. The default size is None. To increase the margin, select an option between 1 Point and 100 Point.

5. When you make a selection, the space between buttons changes.
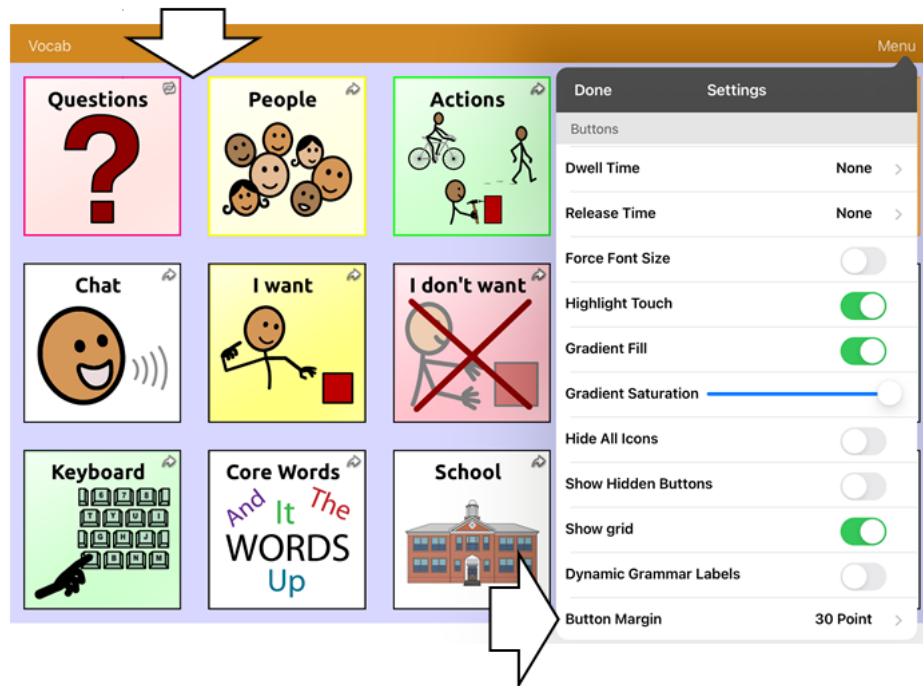
6. If you selected too much space or too little space, make another selection.

7. When you are satisfied with the amount of space, select **Done**.

Working with Pages

TouchChat allows you to rename, duplicate, load, and create pages, choose a different keyboard, copy a page from a different vocabulary, add gestures to pages, change the background color of a page, and use special pages.

Renaming a Page

1. Tap **Menu** and tap **Edit Page**.

2. Tap **Menu** and tap **Edit Page Layout**.

3. In the area under Page Name, tap, then backspace to erase the name, and then type the new name.

4. Tap **Save**. Tap **Done** to exit edit mode.

Duplicating a Page

1. Tap **Menu** and tap **Edit Page**.

2. Tap **Menu** and tap **Import/Copy Pages**.
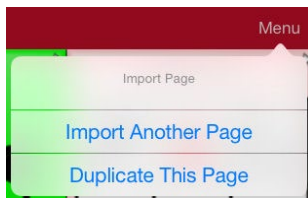
3. Tap **Duplicate This Page**. The New Page Name window will display the current name plus "Copy".
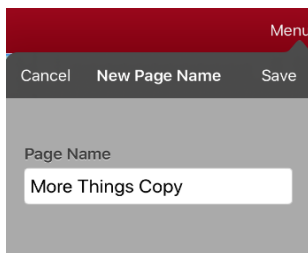
4. Tap the name and use the keyboard to enter an appropriate name for the duplicated page.

5. Tap **Save**. The duplicated page will be displayed with the new name.

6. Edit the page as needed.

7. When you finish, tap **Done** to exit Edit Mode.

Loading Another Page

1. Tap **Menu** and tap **Edit Page**.

2. Tap Menu and tap **Load Another Page**. A list of available pages opens.

3. Scroll through the list and select the page you want to load.

4. Tap **Done**. This page is now available to copy buttons or make additions or changes to your vocabulary.

Creating a New Blank Page

1. Tap **Menu** and tap **Edit Page**. The Page is now in Edit Mode.

2. Tap **Menu** and tap **Add New Page**. A menu provides two options.
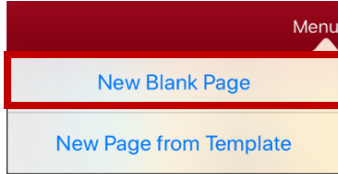
3. Select **New Blank Page**.
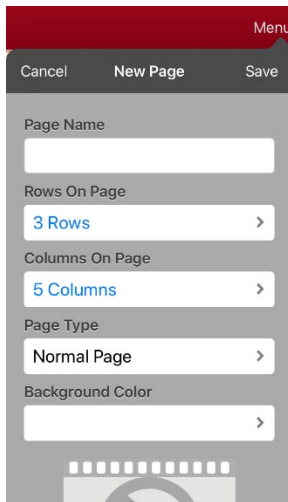
4. Tap the **Page Name** field and use the keyboard to give the page a name.

5. Select how many rows and columns you want.

   Note: The number of rows and columns from the page currently displayed appear by default. Select different numbers if appropriate.

6. Tap the **Background Color** field and select a color.

7. Select an image (*optional*).

8. Tap **Save**. A new page will appear with blank buttons.

9. Start creating buttons on this page.

10. When you finish, tap **Done**.

Creating a New Page from a Navigate Action

1. Display the page from which you want to navigate.

2. Tap **Menu** and tap **Edit Page**.

3. Tap the location for a button that will navigate to the page you want to create.

4. Select **Edit This Button**. The Edit Button dialog opens.

5. Enter a button label and select or import an image.

6. Scroll down to the Button Actions section and tap the existing action to open the list of available actions.

7. Select the **Navigate** action to open the list of existing pages.

8. Tap the **+** in the upper right corner to create the new page.

9. Enter a page name and adjust the number of rows and columns.

10. Tap **Save**, select **No Animation**, and tap **Save** again.

11. To verify that the button navigates to your new page, tap **Done** to exit Edit Mode and then tap the button to navigate to the new page.

12. Tap **Menu**, tap **Edit Page**, and add buttons to the page.

Choosing a New Keyboard

1. Tap **Menu** and tap **Edit Page**.

2. Tap **Menu** and tap **Import/Copy Pages**.

3. Tap **Import Another Page**.

4. Tap the vocabulary file that contains the keyboard you want and tap the appropriate page to import.

    Note: WordPower® files have alternative pages (for example, QWERTY vs. ABC) within the same file. Simply edit the linking button to navigate to the new page *or* follow steps 5, 6, and 7.

5. Tap **Import**.

6. Edit the original keyboard button and have it navigate to the new keyboard page.

7. Edit the linking button to navigate to the new page.

Copying a Page from a Different Vocabulary File

There are times that borrowing previously created pages could be a time saver. TouchChat allows you to import multiple pages at one time.

1. Open your vocabulary file.

2. Tap **Menu** and select **Edit Page**.

3. Tap **Menu** and select **Import/Copy Pages**.

4. Tap **Import Another Page**.

5. Tap the vocabulary file that contains the page you want and tap the appropriate pages to import. A checkmark will appear following each page you tap.
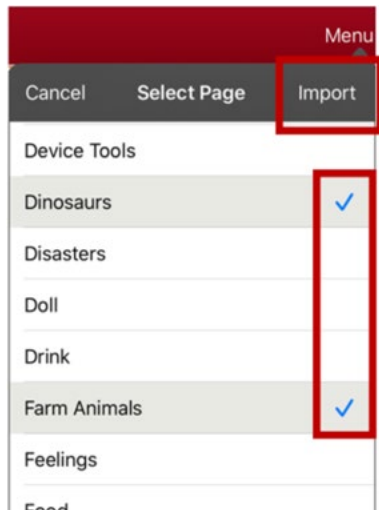
6. Tap **Import** and tap **Done**.

7. While still in Edit Mode, tap the button that you want to navigate to the imported pages.

8. Select **Edit This Button**.

9. Give the button a label and, if needed, an icon and make any style changes you want.

10. Scroll down to the Button Actions section, tap **Add**, and then tap **Navigate**.

11. Tap the page you imported.

12. Tap an animation or **No Animation**.

13. Tap **Save**. Tap **Done** to exit edit mode.

Adding a Gesture to a Page

1. Tap **Menu** and select **Edit Page**.

2. Tap **Menu** and select **Edit Gestures**.

3. Tap **+**. The Edit Gestures window opens.
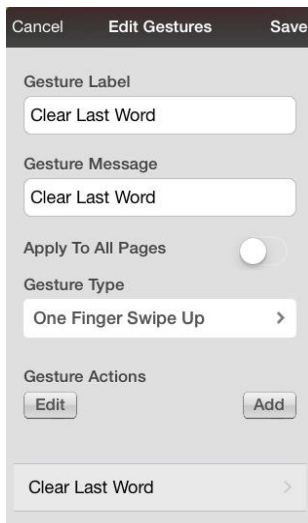
4. Add a label and message.

5. To add gestures to an entire vocabulary file at one time, tap **Apply to All Pages**.

6. Tap the **Gesture Type** field and tap the type you want. A check mark will appear following the type you select.

7. Tap **Add** and select the gesture action you want.

    Note: To delete a gesture action, tap **Edit** and tap the action you want to delete. The Delete/Rename icon ⊖ will be displayed in front of the action. Tap the icon to delete the action.

8. Tap **Save**. Tap **Done** to exit edit mode.

Overriding the Background Color of a Page

Use this procedure to change the background color of all pages in a vocabulary. This is especially useful if you increase the space around buttons, revealing more of the background. For information on adjusting the button margin, see "Adding Extra Space around Buttons" on page 65.

1. Tap **Menu** and select **Edit Page**.

2. Tap **Menu** and select **Page Style Override**. The Vocab Override window displays color override options.
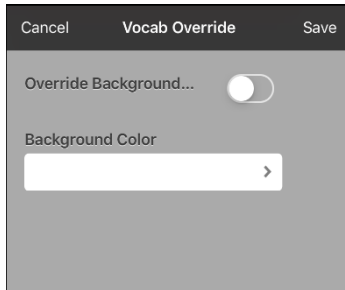
3. Select the **Background Color** box to open a list of colors.

4. Select a color. The color will appear in the Background Color box.

5. To override the default background color, turn **Override Background** on.

6. Tap **Save**. Tap **Done** to exit edit mode.

   Hint: You can switch between the default page background colors and the override color as needed by toggling **Override Background** on and off.

Working with Special Pages

You can set any vocabulary page as a special page.

- Set any vocabulary page as your home page.
- Use any vocabulary page as a template.

Changing Your Home Page

1. Go to the page you want to use as your home page.

2. Tap **Menu** and select **Edit Page**. The page is now in Edit Mode.

3. Tap **Menu**. The Edit Page menu opens.
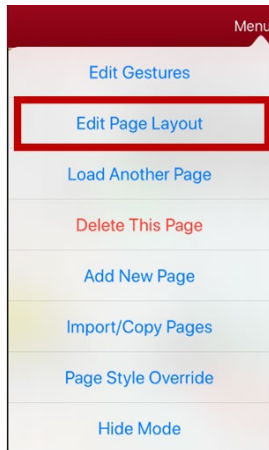
4. Select **Edit Page Layout**. The Edit Page window opens.

5. Tap the current Page Type. The Page Type menu opens.
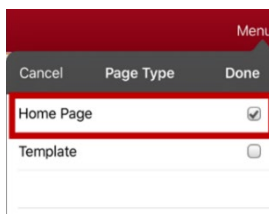
6. Select **Home Page**.

7. Tap **Done** to complete the change and tap **Done** to exit Edit Mode.

Setting a Page as a Template

You can use an existing vocabulary page as a template to create new pages quickly.

1. Go to the page you want to use as your home page.

2. Tap **Menu** and select **Edit Page**. The page is now in Edit Mode.

3. Tap **Menu**. The Edit Page menu opens.
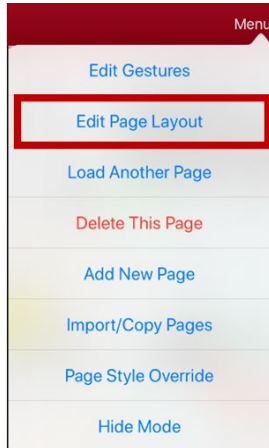
4. Select **Edit Page Layout**. The Edit Page window opens.

5. Tap the current Page Type. The Page Type menu opens.
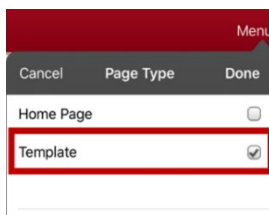
6. Select **Template**.

7. Tap **Done** and then tap **Save**.

8. The new template page is displayed with the name you gave it.

9. Add buttons and formatting to the page as needed.

10. When you finish, tap **Done** to exit Edit Mode.

    Note: To use this template to create a page, see "Creating a New Page from a Template".

Creating a New Page from a Template

1. Tap **Menu** and tap **Edit Page**. The page is now in Edit Mode.

2. Tap **Menu** and tap **Add New Page**. A menu provides two options.
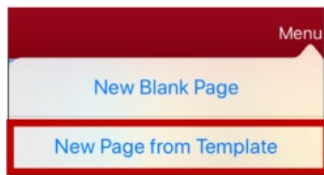
3. Select **New Page from Template**. The New Page Name window opens.
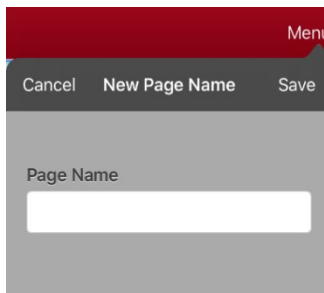
4. Tap the **Page Name** field, use the keyboard to enter a name for the new page, and tap **Save**.

    Note: After you tap **Save**, the Save button will becomes disabled so you cannot accidentally tap it a second time. The message "Loading" will appear until the new page has finished loading.

5. The new page will be displayed with the buttons and formatting from the template and will display the name you entered.

6. Edit the new page as needed.

7. When you finish, tap **Done** to exit Edit Mode.

Trying to Delete Your Home Page

The home page is the starting point for all of the words in your vocabulary. For this reason, you cannot delete the home page. If you try to delete it, a message will advise you to set a different page as the home page.

Example #1: Try to Delete the Home Page from the Edit Page Menu

Tap **Menu** and tap **Edit Page**. Then tap **Menu** and select **Delete This Page**. A message will warn that you cannot delete the home page and advise you to set another page as the home page.
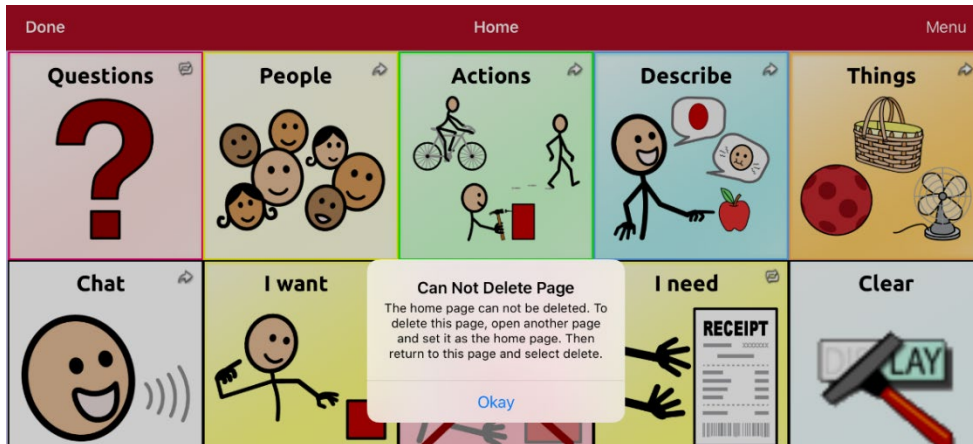
Select **Okay** to close the message. Then set another page as the home page. See "Changing Your Home Page" on page 72. If you still want to delete this page, you now will be able to.

Example #2:Try to Delete the Home Page from the Page Type Window
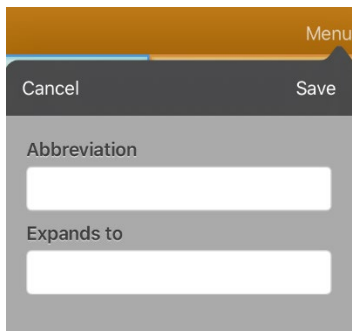
Tap **Menu** and tap **Edit Page**. Then tap **Menu** and select **Edit Page Layout**. In the Edit Page window, tap **Home Page** in the Page Type field. In the Page Type window, tap the Home Page checkmark. A message will warn that you cannot uncheck the box and advise you to set another page as the home page.
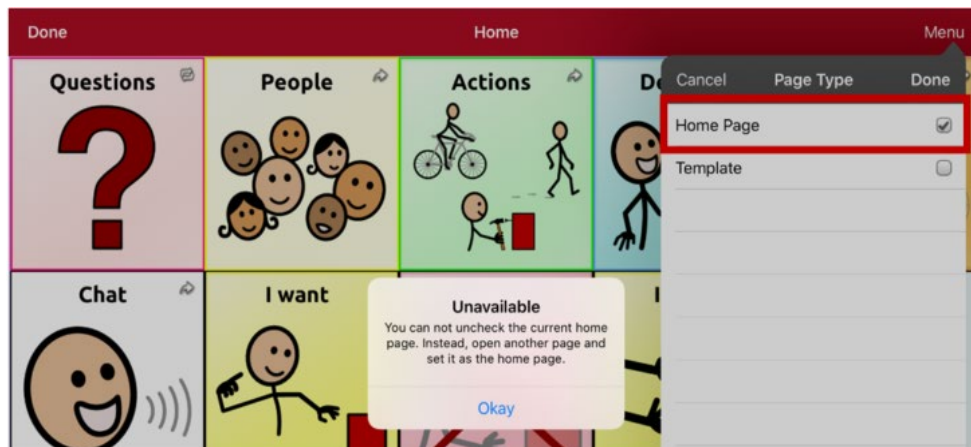
Select **Okay** to close the message. Then set another page as the home page. See "Changing Your Home Page" on page 72. If you still want to delete this page, you now will be able to.

Editing an Abbreviation Expansion

1. Tap **Menu** and tap **Edit Abbreviations**.

2. Tap **+**.

3. In the space under Abbreviation, type the abbreviated form.

4. In the space under Expands to, type the full word, phrase, or sentence that it will expand to.

5. Tap **Save** and tap **Done**.

6. To trigger the abbreviation, enter the abbreviation followed by a period from your vocabulary keyboard page.

Searching for a Word using Word Finder

When you don't know where a word is located in a vocabulary, use this procedure to search for the word and practice the sequence of buttons that lead to it.

1. From the vocabulary, select the **Keyboard**.

2. Select **Find Word**. Word Finder opens.
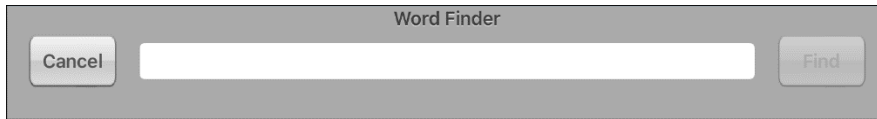
3. Enter the word you want to find.

4. Select **Find**.

   Note: If the word is not stored, the **Find** button will remain grayed out and you will not be able to select it.

5. The window will display the sequence of buttons to tap to activate the word.

6. Tap the buttons to practice the motor pattern.

   When you tap the first button in the sequence, your home page opens with the button highlighted. When you select the button, the next button in the sequence is highlighted. When you select that button, the next button is highlighted and so forth until you reach the end of the sequence.

Setting up and Using Word Prediction

Word prediction helps improve your ability to communicate by "predicting" a word you intend to speak, thereby reducing the number of letters you need to enter.

When you enter the first letter on the keyboard, the app software displays a list of words beginning with that letter. As you enter more letters, the list is updated. When the word you want is displayed, you can choose it with a single tap to appear in the Speech Display Bar (SDB). The app software then predicts the next word you want to enter.

Selecting the Type of Word Prediction

Two types of word prediction are available: Learning + Static and Static only. You can choose the type of word prediction to use, or you can choose to disable word prediction. Tap **Menu** and select **Settings**. Scroll to the Prediction section and select **Prediction Type**. The Prediction submenu opens. A checkmark indicates the setting currently selected.

Cancel	
Learning + Static	✓
Static only	

Type	Description
Learning + Static	Word prediction includes the ability to learn and add words to the large word prediction dictionary. The settings that apply to learning are available.
Static only	Word prediction uses the large word prediction dictionary. The settings that apply to learning are not available.

Adding Words using the Learned Words Screen

Use the Add Learned Words screen to add words directly to the learning word prediction dictionary. This screen accumulates an alphabetical list of all words you added. This list provides an easy way to review your learning prediction dictionary.

1. Tap **Menu** and select **Settings**. Scroll to the **Prediction** section and select **Learned Words**. The Learned Words screen opens.
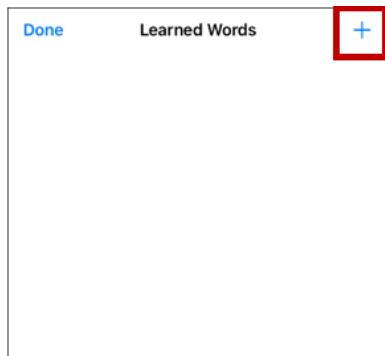
2. Tap the plus sign **+**. The Add Word screen opens.
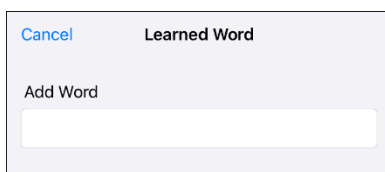
3. Tap the Add Word field to insert a cursor and open a keyboard. Enter the word you want to add.
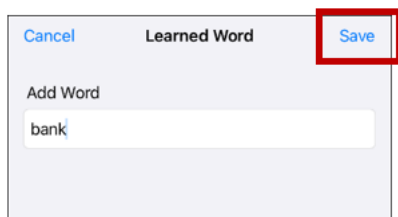
4. Tap **Save**. The word will be added to the Learned Words list.

5. Repeat steps 2, 3, and 4 for each word you want to add.
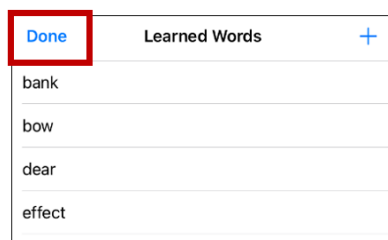
6. When you finish adding words, tap **Done**.

Deleting Prediction Words

You can delete individual learned words or all learned words from the word prediction dictionary.

Tap **Menu** and select **Settings**. Scroll to the **Prediction** section and select **Learned Words**. The Learned Words screen opens.
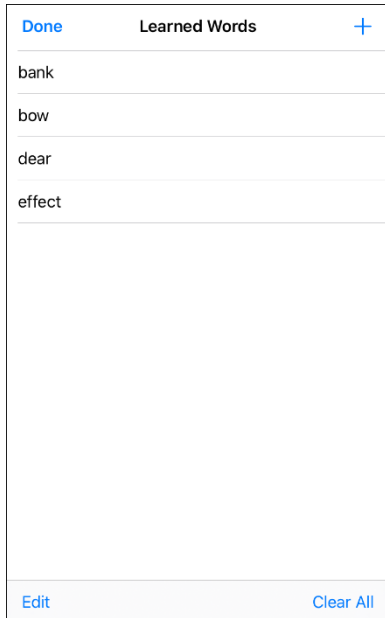
- To delete individual learned words, choose **Edit**.
- To delete all learned words, choose **Clear All**.

To delete individual learned words:

Choose **Edit**. A red icon ➖ will be displayed in front of each learned word.
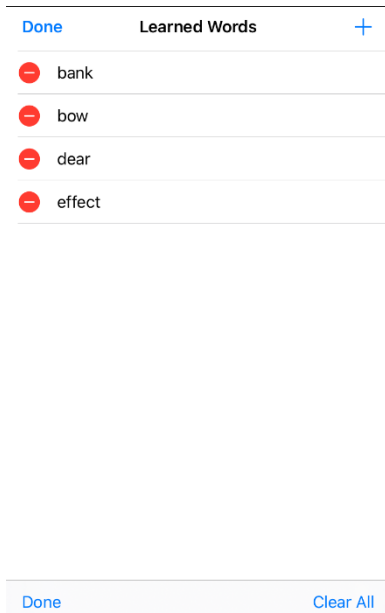
Tap the red icon ➖ next to the word you want to delete. A Delete button will appear.
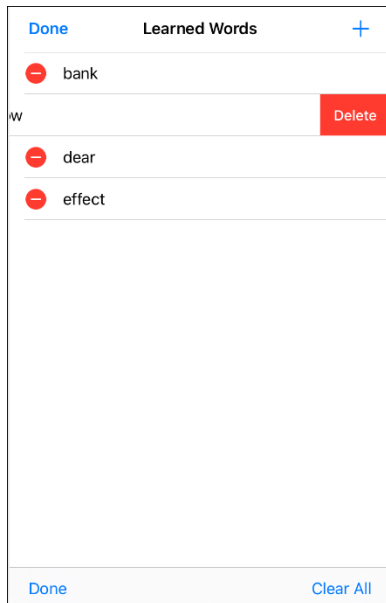
Tap **Delete** and then tap **Done** to remove the word from the list.

To delete all learned words:

Important! If you make this choice, *all* words that you added for prediction will be deleted.

1. Choose **Clear All**. A Delete Learned Words message will be displayed.

   Are you sure you want to delete all learned words?

2. Choose **Okay**. All words that you added for prediction will be deleted.

Adding Acapela Vocal Smileys

Acapela-Group has created the capability of using Voice Sounds and Exclamations.

Adding a Sound

Sounds are produced by the speaker's voice for laughing, breathing, sneezing, coughing, or whatever sounds our voices can produce to mimic sounds we make in our daily lives. Sounds are always between two pound signs; for example: **#LAUGH02#** in capital letters and sometimes followed by numbers if there are more than one of the same kind. The children's voices have more sounds than adult voices.

Adding an Exclamation

Exclamations include a variety of letters and symbols. Type exactly what you see.

Finding a Vocal Smiley

To find the list of Acapela Vocal Smiley commands:

1. Go to http://www.acapela-group.com/doc/Vocal%20smileys/excla.html

2. Click the link to the appropriate language.

   Important! The language you select must match the language of the voice you are using.

3. Select the specific Vocal Smiley you want.

Example: Add a Smiley Face and Laugh Sound to a Button

A button can be set up with the command in the message. However, if you use the "speech message" action, the command appears in the Speech Display Bar (SDB), which isn't ideal. A better way may be to set up a button with an emoticon symbol in the message.

For example, you could use a smiley face symbol. Note that you may need to go to **Settings** > **General** > **Keyboards** and add the Emoji keyboard so that you can type emoticon symbols. Once the button is set up with the emoticon and speech message, go to Pronunciations and add a pronunciation for the smiley face emoticon. Enter a command such as **#LAUGH02#** for the pronunciation.

To open the Pronunciation Editor, tap **Menu**, select **Edit Pronunciations**, and tap **+**. Add the same emoticon used on the button to the Word box and add the command (for example, **#LAUGH02#**) to the Pronounce As box.
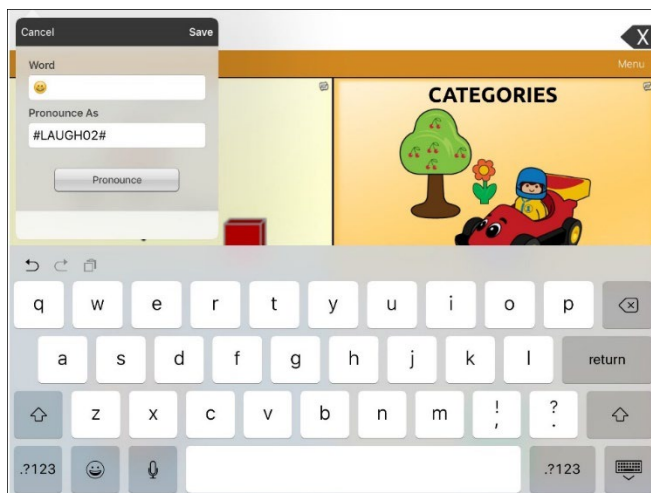
When you touch the button, the emoticon will appear in the SDB and the laugh sound will be heard.

Creating a Visual Scene

To create a visual scene, select a background image, set up the page, and add buttons.

Selecting a Background Image

Start by having the picture you want to use for the background image on the device. You can take a picture using your device if it has a built-in camera. Otherwise, transfer the picture to the device from a computer.

1. Tap **Menu** and select **Edit Page**.

2. Tap the location to add a linking button (the button you wish to link to your visual scene) and select **Edit This Button**.

3. Add a label, scroll down to the Button Actions section, and replace the existing action with **Navigate**.

4. Tap the **+** in the upper right corner to create your new visual scene page.

5. Enter a page name.

6. Adjust the number of rows and columns on the page. Choosing as many rows and columns as possible will make it easier to create buttons that fit with the images on the page.

7. Scroll down to **Import Image**.

8. Tap **Import Image** and take a picture or find the image you want. A thumbnail view of the image will appear above Import Image.

9. Tap **Save**, select **No Animation**, and tap **Save** again.

10. To verify that the button navigates to your new page, tap **Done** to exit Edit Mode.

11. Tap the button to navigate to the new page.

12. Tap **Menu**, select **Edit Page**, and proceed to the next topic, "Adding Buttons".

Adding Buttons

Now with the background picture in place, using the blank buttons, buttons can be created that speak or move to other pages. In our example, let's create a button that speaks "Horse" whenever tapping on the horse in the picture (assuming we used a picture with a horse in it).
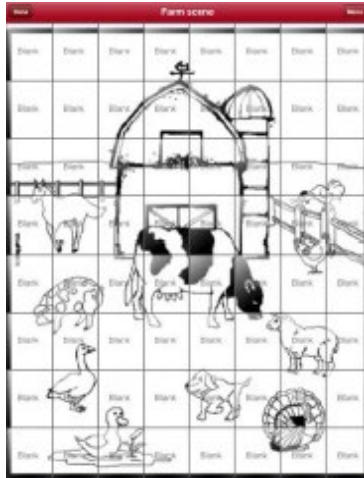
1. Tap the upper left corner location that covers the ear.

2. Select **Create New Button**.

3. Enter **Horse** into the button message box.

4. Set the Transparent option to the **On** position. That way the scene behind it comes through.

5. Tap **Save**.

6. Tap the newly created button and choose **Change Button Size**. From here, you can adjust the button height and width so that it fits the entire image.

7. Tap **Save**.

8. Create the remaining buttons and re-size them to go along with the scene. All the buttons can have their own size and shape.

9. When you finish, tap **Done**.

Creating and Using a Whiteboard

Whiteboards can used for drawing, collaborating, and sharing.
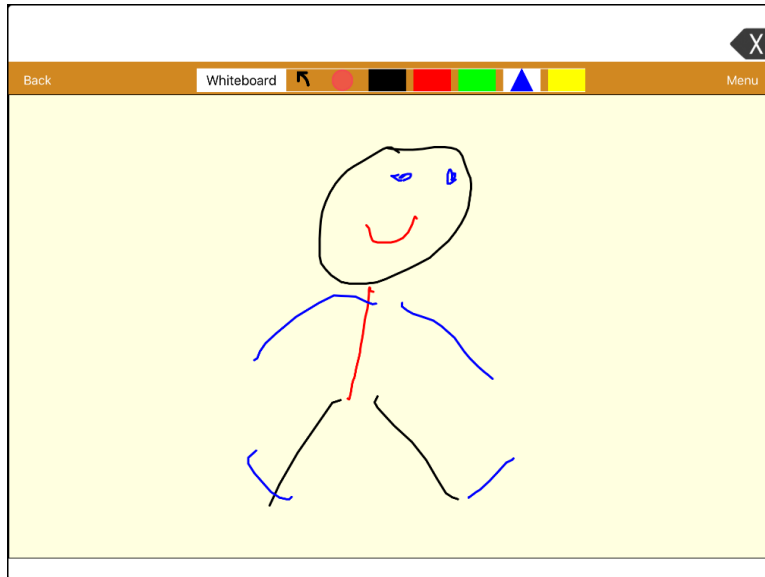
Creating a Whiteboard Page

To create a whiteboard page, create a new page that has a single button and select the Whiteboard button action.

1. Tap **Menu** and select **Edit Page**.

2. Tap the button you want to link to your whiteboard page and select **Edit This Button**.

3. Add a label, scroll to the Button Actions section, and replace the existing action with **Navigate**.

4. Tap the **+** in the upper right corner to create your new whiteboard page.

5. Enter a page name and select **1 Row** and **1 Column**.

6. Tap **Save**, select **No Animation**, and tap **Save** again.

7. Tap **Done** to exit Edit Mode and tap the button to navigate to the new whiteboard page.

8. Tap **Menu**, select **Edit Page**, and select **Create New Button**.

9. Scroll to the Button Actions section of the Edit Button window and replace the Speech Message action with the Whiteboard action.

10. Tap **Save**. Select **Done** to exit Edit Mode.

11. Use the Whiteboard tools at the top of the page to draw.

Using the Whiteboard Tools

| Back | | Whiteboard | ↖ | ● | ▲ | | | | | Menu |

Tool	Function
Back	Return to the page with the button that links to the whiteboard.
Whiteboard	Open a menu. Tap the whiteboard outside the drawing to close a menu. When there is no drawing on the whiteboard, the options are Color, Width, Save, and Load. • **Color:** Select Black, Red, Green, Blue, or Yellow. • **Width:** Select Thin, Normal, or Thick to set the width (thickness) of the next line you draw. • **Save:** Save the current drawing. • **Load:** Load a saved drawing. When a drawing is on the whiteboard, additional options are available: Clear, Undo, and Erase. • **Clear:** Remove the entire drawing. • **Undo:** Remove the most recent addition or change. • **Erase:** Remove a portion of the drawing. When you select Erase, the eraser is selected.
↖	Undo the most recent addition or change.
●	Erase a portion of the drawing. Select this tool and then tap any portion of the drawing to erase it. You can also drag across a portion of the drawing to erase that portion. To change the width of the eraser, tap the control once to change the width from Thin to Normal; tap the control again to change the width to Thick.
▲	Select the color of the next line you draw. When a color is selected, the color rectangle changes to a triangle. The width of the triangle changes when you change the Width setting.
Menu	Tap **Menu**, select **Settings**, and scroll to the Whiteboard section to change the Whiteboard settings. For explanations of the settings, see Changing the Whiteboard Settings".

Changing the Whiteboard Settings

To change any of the Whiteboard settings, tap **Menu**, select **Settings**, and scroll to the Whiteboard section.

Disable drawing in split view

When turned on, you cannot draw on the whiteboard page when split view is enabled in iOS.

Scale drawing in split view

When turned on, whiteboard drawings are scaled according to the relative size of the app page when split view is enabled in iOS.

Reload last drawing

When turned on, the most recent drawing made on the whiteboard appears when you open Whiteboard.

Autosave drawing

When turned on, whiteboard drawings are saved automatically.

Enlarging Text in the Speech Display Bar

There are a number of ways to enlarge text in the Speech Display Bar (SDB).

Changing Text Size or Number of Lines in the SDB

1. Tap **Menu** and select **Settings**.

2. Scroll to the Speech Display Bar section.

3. Under Font Size, select a larger font size. Font sizes range from 14 Point to 72 Point.

4. Under Number of Lines, select the number of lines of text you want to appear in the Speech Display Bar. The number of lines ranges from 1 Line to 10 Lines.

   Note: If you try to select a font size and number of lines that together would make the SDB larger than the screen can accommodate, the font size will be adjusted down automatically to a value that allows the SDB to fill no more than 60% of the screen. For example, if you select 10 lines with a 72-point font, the font will be adjusted to a smaller size.

Creating a Tap Action

Create a tap action to enlarge the text in the SDB.

1. Tap **Menu** and select **Settings**.

2. Scroll to the Speech Display Bar section.

3. Under Tap Action, select **Speak and Enlarge Text**.

4. Tap the SDB again to close the enlarged window.

Highlighting Words as They are Spoken in the SDB

To help with literacy, the Highlight Spoken Word setting allows users to see the words highlighted in the SDB as they are spoken. When you select a color, words will be highlighted in that color one at a time in the SDB as they are spoken.

Note: Some voices do not support this feature. Word highlighting is disabled when scanning prompts are spoken; but it is enabled when scanned button actions add text to the SDB.

1. Tap **Menu**, select **Settings**, and scroll to the Speech Display Bar section.
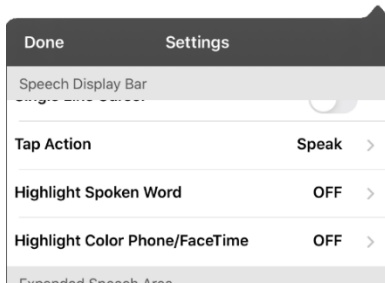
2. Select **Highlight Spoken Word**. The setting OFF and a list of colors opens. OFF is the default setting.
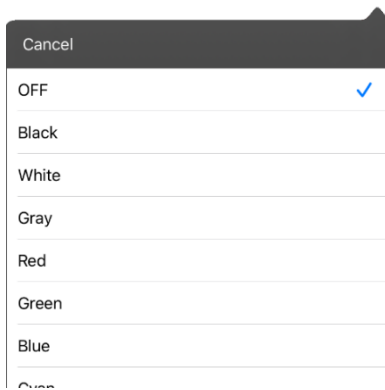
3. Choose a color. The selected color appears in the setting.
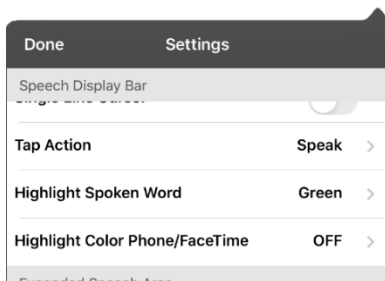
4. Select **Done**.

5. As you select words from a page, they are highlighted one at a time in the SDB in the color you
    selected.

- To change the highlight color, tap **Menu** > **Settings**, scroll to the Speech Display Bar section,
  select **Highlight Spoken Word**, choose a different color, and select **Done**.

- If you pause speech, the last spoken word will remain highlighted.

- To turn highlighting off, tap **Menu** > **Settings**, scroll to the Speech Display Bar section, select
  Highlight Spoken Word, choose **OFF**, and select **Done**.

Highlighting Words as They are Spoken during a Telephony Call

To help with literacy, the Highlight Color Phone/FaceTime setting allows users to see words highlighted as they are spoken during a telephony call. Otherwise, there is no voice output on the device user's end when they are speaking allowing them to ensure their message was spoken.

1. Tap **Menu**, select **Settings**, and scroll to the Speech Display Bar section.
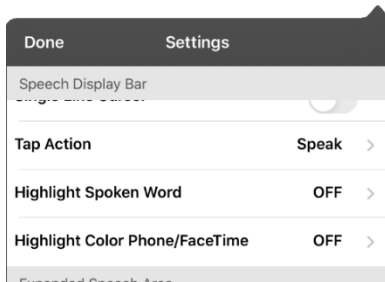
2. Select **Highlight Color Phone/FaceTime**. The setting OFF and a list of colors opens.
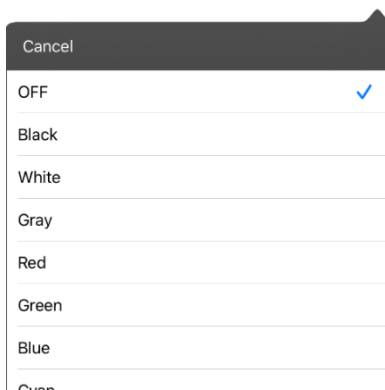
3. Choose a color. The selected color appears in the setting.
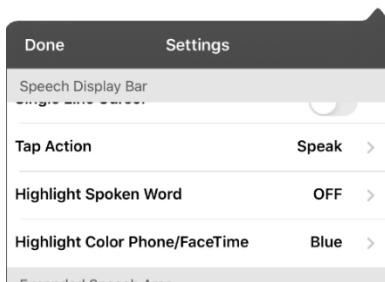
4. Select **Done**.

5. As you select words during a call, they are highlighted one at a time in the SDB in the color you selected.
    - To change the highlight color, tap **Menu**, select **Settings**, scroll to the Speech Display Bar section, select **Highlight Color Phone/FaceTime**, choose a different color, and select **Done**.
    - To turn highlighting off, tap **Menu**, select **Settings**, scroll to the Speech Display Bar section, select **Highlight Color Phone/FaceTime**, choose **OFF**, and select **Done**.

Setting up Switch Scanning in TouchChat

As an alternative to directly selecting each button on the screen, the TouchChat app offers single switch and two-switch scanning.

Important! To use TouchChat scanning, you will need either: wired switches in conjunction with a PRC-Saltillo iOS device, or an AeroSwitch®. For other scanning setups, you will need to use iOS scanning, which can be found in the iOS Accessibility settings.

Setting up One or Two Switches

You can set up one or two wired or wireless switches to work with scanning in the TouchChat app.

⚠️ Cords and cables are potential entanglement or strangulation hazards. Please consider this prior to placing these items with device users.

1. Connect or pair each switch.

   Wired switch: Plug the switch into switch jack A or switch jack B on the device. If you are using two switches, plug a switch into each jack.

   Wireless switch: Turn the switch on and pair it with your device according to the instructions that came with your switch.

2. To enable scanning, tap **Menu**, select **Settings**, scroll to the **Scanning** section, and turn **Scanning Enabled** on.
3. To set up the switch or switches, select **Configure Switches**. The switch access settings are displayed.
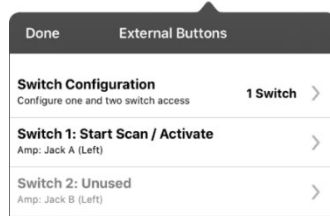
4. Choose **Switch Configuration** and choose the number of switches you plan to use.

   If you select **1 Switch**, Switch 1 will be active and Switch 2 will be grayed out. If you select **2 Switches**, both Switch 1 and Switch 2 will be active.

   Note: When "(Left)" or "(Right)" appears in a Switch 1 or Switch 2 setting, it does not affect how you should set up the switch. It only refers to the internal technical configuration of the switch, which you can disregard.

5. To set up Switch 1, tap **Switch 1: ….** The prompt "Press any switch" will appear. Press the switch intended to start and stop the scan.

6. To set up Switch 2, tap **Switch 2: ….** The prompt "Press any switch" will appear. Press the switch intended to make your choice or activation.

   Note: To use the touchscreen as either Switch 1 or Switch 2, tap the touchscreen at the "Press any switch" prompt.

7. Adjust additional scan settings as necessary.

Using the TouchChat Scanning Settings

To access the options for customizing a scanning technique, tap **Menu** > **Settings**. Scroll to the **Scanning** section.

Setting	Description
Scanning Enabled	Turns scanning on or off. You must turn scanning on to access the other scanning settings.
Configure Switches	Set up one or two external switches or the touchscreen to work with scanning.
Auto-Scan	You can choose to have scanning activate automatically, or you can choose to either hold the switch or step to each location. To set scanning to activate without holding a switch, turn **Auto-Scan** on. When Auto-Scan is turned off, a switch activation is required to move the scan through each button, one at a time.
Button Hold Scan	*This setting is only available when Auto-Scan is turned off*. When Button Hold Scan is turned on, you can press and hold on a switch to move through the selected scan pattern. If you are using one switch, a selection is made when the switch is released. If you are using two switches, the first switch moves through the scan pattern and the second switch selects the target button.
Auto Restart	When Auto-Scan and Auto Restart are both turned on, a scan cycle restarts automatically after an activation.
Auditory Scan	Auditory Scan enables audio feedback during scanning. To set auditory prompts, turn **Auditory Scan** on. Activate your switch to hear the prompt. To retrieve a message, activate the switch again after you hear the prompt.
Prompt Voice	Allows you to choose the prompt voice. When choosing a voice to use for auditory prompts, it can be helpful to choose a different voice than the one the system uses for speaking messages. To change the voice, select **Prompt Voice**, and select the voice you want. To adjust the rate at which the prompt voice speaks, see **Prompt Voice Rate** below. To adjust the pitch of the prompt voice, see **Prompt Voice Pitch** below.
Prompt Voice Rate	Provides a slider that allows you to adjust the Prompt Voice rate. To adjust the rate, scroll to the **Prompt Voice Rate** slider. Move the slider to the right for a higher voice rate or to the left to lower the rate until the prompt voice speaks at the rate you want.
Prompt Voice Pitch	Sets the pitch of the prompt voice. To set the pitch, select **Prompt Voice Pitch** and choose the pitch you want. Available settings are Lowest, Lower, Low, Normal, High, Higher, and Highest.
Pause Between Words (Auditory scan)	When Auditory Scan is turned on, Pause Between Words sets the amount of time between words in auditory prompts. Available settings are No Pause, 1 Second, 2 Seconds, and 3 Seconds.
Scan Speech Display Bar	When Scan Speech Display Bar is turned on, a scan will include the Speech Display Bar. When this setting is turned off, a scan will skip the Speech Display Bar.
Skip Empty Cells	When Skip Empty Cells is turned on, a scan will skip an area that does not have a button or an area that has a button that only includes a speech message action but no text. When the setting is turned off, a scan will include empty button areas.
Scanning Type	Sets the scanning pattern to Sequential or Row/Column. To select the scanning pattern, select **Scanning Type** and then select **Sequential** or **Row/Column**.

Setting	Description
	Using Sequential Scan Mode: A sequential scan steps through the buttons from left to right beginning in the first row. When the button you want is highlighted, activate your switch.
	Using Row/Column Scan Mode: A row/column scan highlights each row of buttons beginning with the top row and move down the screen. When the row that contains the button you want is highlighted, activate your switch. The scan will then step through the buttons from left to right across the row. When the button you want is highlighted, activate your switch.
Manual Repeat Time	*This setting is only available when Auto-Scan is turned off and Button-Hold Scan is turned on.*
	Controls the speed when you are holding a switch down. Available settings range from 0.2 Seconds to 10 Seconds.
Scan Cancel Time	*This setting is only available when Auto-Scan is turned off.*
	When using two-switch scanning (Configure Switches set to 2 Switches), this is the amount of time your device waits before it cancels the scan and starts over. For example: You move through the scan pattern with switch 1 and go past the button you want. With Scan Cancel Time enabled, you can wait the selected time (for example, 5 seconds) and if you don't activate switch 2, the scan pattern will reset at the beginning.
Scan Speed	*This setting is only available when Auto-Scan is turned on.*
	Sets the amount of time your device takes to move from one button, row, or column to the next in a scan. Select **Scan Speed** and choose the appropriate speed. Available settings range from 0.2 Seconds to 10 Seconds. For example, if you selected **1.0 Seconds**, a scan would take one second from the time one button is highlighted until the next button is highlighted.
Number of Rescans	*This setting is only available when Auto-Scan is turned on*
	Sets the number of times the device scans the page automatically. Once you reach the set number of re-scans, the scan will stop until you activate a switch again. Select **Number of Rescans** and choose the appropriate number of rescans. Available settings are 0, 1, 2, 3, 4, 5, 10, and 100.

Making an In-App Purchase

Note: The Upgrade Store is not available from a TouchChat Lite app.

PRC-Saltillo provides additional voices, other language packages, unique vocabulary files, support packages, and curriculum support in the Upgrade Store. Apple provides an option for these materials to be purchased from within the TouchChat application.

Note: Logging in to the Upgrade Store will require two-factor authentication.

To explore the Upgrade Store:
1. Enable a wireless connection.

2. Tap **Vocab** and tap **Choose New Vocab**.

3. Tap **Menu** and select **Upgrade Store**.

To make a purchase:

In the Upgrade Store, make a selection and enter your iTunes purchase information.

If you re-install the app:

When re-installing the app, all in-app purchases will automatically be downloaded and installed. Please note: This is only relevant for users who purchased their app and in-app purchases with their Apple ID.

NCMEC First Responder Event

This free in-app download consists of TouchChat pages to support the project by The National Center for Missing and Exploited Children, entitled "How to Host a Sensory Friendly First Responder Event for Children with Autism". None of the activities has a link to a home page, so the Back button in TouchChat must be used to move from one activity to another. The idea is that the facilitator will set the page for a specific activity, and then the child will stay on that page. The facilitator will use the Back button to navigate back to the home page. By design, some of the pages don't speak. They are intended to allow the child to show, rather than tell, the facilitator how he or she is feeling.

Setting up a Button to Play a Video

1. In TouchChat, display the page that has the button you want to use to play the video.

2. Tap **Menu** and select **Edit Page**.

3. Tap the button you want to use and select **Edit This Button**.

4. Give the button a label and scroll down to the Button Actions section.

5. Select the existing action to open the Select Action list.

6. Select the action **Play Video**. The Video Type window will display two options—Library Video and YouTube Video.

7. Select **Library Video**. A list of available videos will open with **Videos** selected above the list.
   - If the video was originally recorded on your device, leave **Videos** selected
   - If the video was originally imported through the cloud, select **Albums**.

8. Scroll or search through the list.

9. Select the video you want. The video will appear in the Choose Video window.

10. Select **Use**. When the video finishes compressing, Play Video will be displayed under Button Actions.

11. Select **Save**. The label you entered will be displayed on the button.

12. Select **Done**. When you tap the button, the video will play.

Setting up a Button to Play a YouTube™ Video

Note: You must have an active Wi-Fi connection.

1. On your device, select the YouTube video you want.

2. Tap the **Share** icon ➤ and then tap the **Copy Link** icon ⬜. A "Copied" message should appear.

3. In TouchChat, display the page that has the button you want to use to play the YouTube video.

4. Tap **Menu** and select **Edit Page**.

5. Tap the button you want to use and select **Edit This Button**.

6. Give the button a label and scroll down to the Button Actions section.

7. Select the existing action to open the Select Action list.

8. Select the action **Play Video**. The Video Type window will display two options—Library Video and YouTube Video.

9. Select **YouTube Video**. The YouTube window will display a Video Link field.

10. Press and hold on the Video Link field. A small Paste prompt will appear.
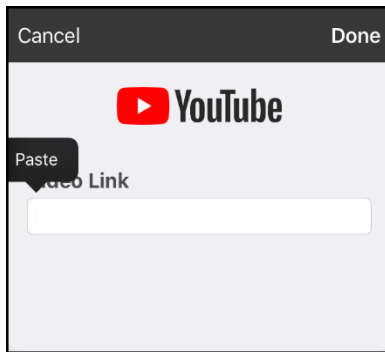
11. Tap the **Paste** prompt. The link you copied in step 2 will be pasted into the field.

12. Select **Done**. Play Video will be displayed under Button Actions.

13. Select **Save**. The label you entered will be displayed on the button.

14. Select **Done**. When you tap the button, the YouTube video should play.

    Note: If you do not have a Wi-Fi connection when you attempt to play the YouTube video, the display area will be black and the following message will appear:

    No Connection to YouTube
    An internet connection is required to play a YouTube video.

    If there is an internet connection but YouTube cannot be reached, the following message will appear:

    No Connection to YouTube
    YouTube appears to be blocked by your internet service provider. Please contact your network administrator.

Setting up a Button to Open an App

Note: This feature is not available in dedicated systems.

1. Go to the page that has the button you want to use.

2. Tap **Menu** and select **Edit Page**. The page is now in Edit Mode.

3. Either tap or touch and hold the button you want to modify.

4. Select **Edit This Button**.

5. Give the button a label and scroll down to the Button Actions section.

6. Select **Add**. A list of available actions opens.

7. Select the action **Open App**. The Select App list opens.

8. Scroll through the list or search for the app you want.

To search for the app:

1. Select the search icon Q on the right side of the Select App title bar or drag down on the list. A keyboard will open.
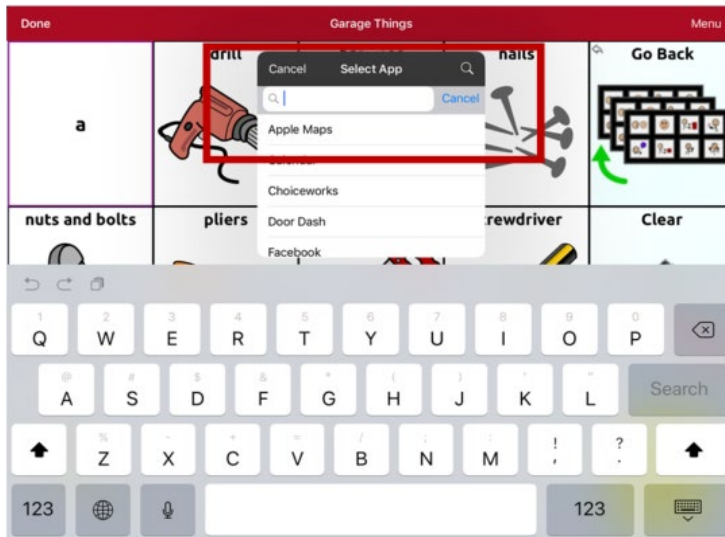
2. Enter an app name or partial app name. The search function searches for matches anywhere in an app name. For example, entering **ap** would display "**Ap**ple M**ap**s", "Google M**ap**s", "Sn**ap**chat", and "Whats**ap**p".

3. Select the app you want and select **Save**.

4. Make sure the app you select is installed on your device.

Verify that the button opens the app

1. Exit Edit Mode and tap the button. The app should open.

    Note: If the app requires a login, be sure you have the login information available.

2. To exit the app and return to TouchChat, tap "TouchChat" in the upper left corner of the screen.
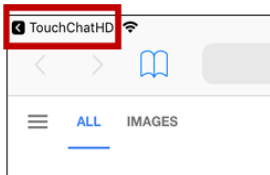
    Note: If "TouchChat" does not appear in the upper left corner of the screen, press the device **Home** button and reopen TouchChat.

Blocking and Restoring Access to the Editing Menus

There may be times when you need to block access to the Editing menus. To do this, the **Use Menu Passcode** setting can be turned on or off. When this setting is turned on, the Menu and Vocab items can only be accessed by entering a password.
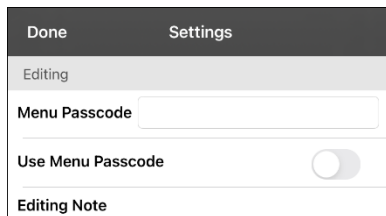
To password-protect the Editing menus:

1. In TouchChat, tap **Menu** and select **Settings**. The Settings menu will open.

2. Under "Editing", turn **Use Menu Passcode** on.

3. Tap in the **Menu Passcode** field to open a keyboard.

4. Enter your password and tap **Done** on the keyboard.

5. Tap **Done** on the Settings menu. Now when the user taps either **Menu** or **Vocab**, a password prompt will be displayed.

To reset your password:

If you forget your password, enter the numeric sequence **72584556** to overwrite the existing password. Then you can create a new password.

To remove password protection from the Editing menus:
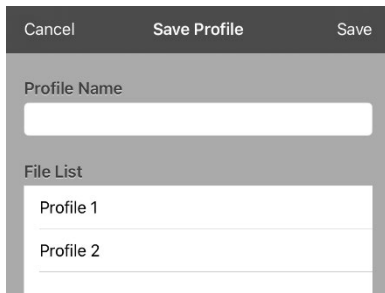
1. In TouchChat, tap **Menu** or **Vocab**. The Password prompt will be displayed.

2. Enter your password. The Settings menu will open.

3. Turn **Use Menu Passcode** off.

4. To remove the password, tap in the **Menu Passcode** field to open the keyboard. Use the keyboard backspace key ⌫ to remove the password.

5. Tap **Done** on the keyboard.

6. Tap **Done** on the Settings menu.

Working with Profiles

Profiles provide a snapshot of the current settings of the system to be saved for easy access at a later time. You can save multiple profiles to be used when needed. Creating multiple profiles allows you to switch between groups of settings.

Creating and Saving a Profile

1. Configure the settings you want associated with the profile. This includes the vocabulary file, settings, etc.

2. Tap **Menu**, select **Settings**, and select **Save Profile**. The Save Profile window will open.

Cancel	Save Profile	Save
Profile Name		
File List		
Profile 1		
Profile 2		
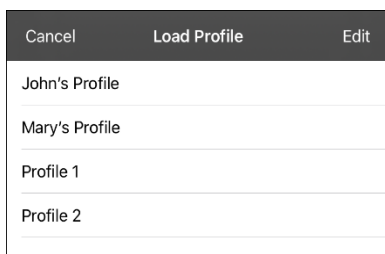
3. Tap in the Profile Name field to open a keyboard.

4. Enter a name for the profile (for example, "Mary's Profile").

5. Choose **Save**. A profile will be created with all the current settings.

   Note: To create a second profile (for example, "John's Profile"), repeat these steps, making new settings changes to associate with this profile.

Loading a Profile by Navigating Menus

To load a profile that you previously created:

1. Go to **Menu**, select **Settings**, and select **Load Profile**. The Load Profile window lists profiles that you have created.

Cancel	Load Profile	Edit
John's Profile		
Mary's Profile		
Profile 1		
Profile 2		

2. Tap the profile you want. The associated settings will be loaded.

Loading a Profile by Tapping a Button

If you create multiple profiles and load them using a button action, you can switch between profiles without navigating the menus.

1. Go to the page that includes the button you want to use.

2. Tap **Menu** and select **Edit Page**.

3. Tap the button you want to add the action to.

4. Select **Edit This Button**.

5. Add a label, message, and image as needed

6. Scroll down to the Button Actions section.

7. Tap **Add**.

8. Scroll through the list of actions and tap **Select Profile**.

9. Tap **Save**. Tap **Done** to exit Edit Mode.

Renaming or Deleting a Profile

1. Tap **Menu**, select **Settings**, and select **Load Profile**. The Load Profile window lists profiles that you have created.
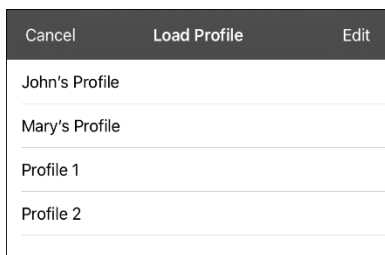
2. Tap **Edit**. The Delete/Rename icon 🔴 will appear to the left of each profile name.
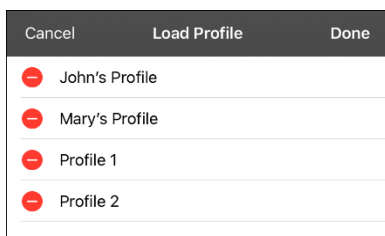
3. Tap the Delete/Rename icon 🔴 for the profile you want to rename or delete. Rename and Delete buttons will appear.
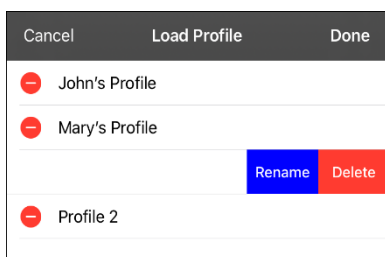
4. Rename or delete the profile.

   To rename the profile: Choose **Rename**, enter the new name in the Profile Name field, and choose **Save**. *To delete the profile:* Choose **Delete**. The profile will be deleted immediately.

Modifying a Profile

1. Make the changes you want associated with the profile.

2. Tap **Menu**, select **Settings**, and select **Save Profile**. The Profile Name window will open.

3. Tap in the Profile Name field to open a keyboard.

4. Enter the profile's original name and choose **Save**. A message will inform you that the file name already exists.
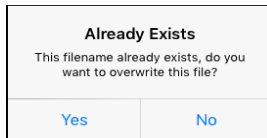
5. Choose **Yes**. The changes will be saved.

Changing TouchChat Settings

To open the TouchChat app settings, tap **Menu** and select **Settings**. From the Settings screen, scroll to see all available settings. When you finish changing settings, tap **Done** in the upper left corner of the settings.

Profiles

Setting	Description
Save Profile	Allows you to save the current settings as a profile.
Load Profile	Allows you to load, rename, or delete a profile.

Navigation

Setting	Description
Page Animation	When turned on, this setting allows you to navigate a page by scrolling up, down, right, or left.
Allow Gestures	When turned on, this setting allows you to add a gesture to a page such as swiping left or right to engage an action.
Gesture Pop Sound	When turned on, this setting provides audible feedback when a gesture is performed.
Button Click Sound	When turned on, this setting provides audible feedback when a button is selected.
Button Navigation Icons	When turned on, this setting displays the small navigation arrows in the top right corner of all buttons. When the setting is turned off, the arrows are hidden.

Page Size

Setting	Description
Status Bar	When turned on, this setting displays the device status bar above the Speech Display Bar.
Keyguard Inset	When turned on, this setting adjusts the display for a keyguard.

Editing

Setting	Description
Menu Passcode	When applicable, enter the password you want to use in this field.
Use Menu Passcode	When turned on, this setting requires a password to access the Editing menus.

Speech

Note: These settings are not available in a TouchChat Lite app.

Setting	Description
Voice	Because there are many voice options, voices are downloadable. If you only download and install the voices you need, you can save a lot of storage space on your device.
	The Voice setting displays the voice currently selected. To download and install a different voice, tap Voice to open a list of available voices. To hear how a voice sounds, select the speaker icon. Listen to several voices. When you find the voice you want, select the download icon to download and install it.

Setting	Description
	Note: Some voices are only available at a cost. These voices must be purchased from the Upgrade Store before they are available in the Voice list. The Upgrade Store is not available from a TouchChat Lite app.
Rate	Use the slide bar to modify the rate of speech. Test: To hear how the selected voice sounds at the modified rate, select Test. Defaults: To restore all speech settings to their default values, select Defaults. A warning appears. If you want to restore all the default speech settings, select Continue. If you want to keep the current speech settings, select Cancel.
Voice Pitch	You can make a voice sound different by modifying the pitch. Select the pitch you want: Lowest, Lower, Low, Normal, High, Higher, or Highest. Note: This option is not available for all voices.
Pause Between Words	You can add a speech delay between individual words. Note: This option is not available for all voices.
Phone/FaceTime Voice	Select the voice you want to use for phone calls. The Phone/FaceTime Voice setting displays the voice currently selected. To download and install a different voice, tap Phone/FaceTime Voice to open a list of available voices. To hear how a voice sounds, select the speaker icon . Listen to several voices. When you find the voice you want, select the Apple icon to download and install it.

Speech Display Bar

Setting	Description
Hide Speech Display	When turned on, this setting hides the entire SDB.
Allow Copy/Paste	When turned on, this setting gives the user the option to copy/paste from the SDB.
Auto Capitalization	When turned on, this setting capitalizes the first word of a sentence automatically.
Show Icons	Choose this setting if you want to display icons with text in the SDB.
Hide Delete Button	When turned on, this setting hides the SDB's Delete button.
Font	Select one of the 7 available fonts for use for text in the SDB.
Font Size	Determines the size of the font that appears in the SDB. Font sizes range from 14 Point to 72 Point. Note: If you try to select a font size and number of lines that together would make the SDB larger than the screen can accommodate, the font size will be adjusted down automatically to a value that allows the SDB to fill no more than 60% of the screen.
Font Color	Choose one of the 12 available font colors to apply to text in the SDB.
Background Color	Choose one of the 12 available background colors to apply to the SDB.
Number of Lines	Choose how many lines of text you want to appear in the SDB. The number of lines ranges from 1 Line to 10 Lines.
Visible Cursor	Turn this setting on if you want the cursor to appear in the SDB. Turn this setting off if you do not want the cursor to appear in the SDB. Note: If this setting is turned off and you insert the cursor at the end of the SDB while in Place Cursor mode, the cursor will not appear.

Setting	Description
Allow Place Cursor	Turn this setting on if you want Place Cursor to appear as an option in the SDB context menu. This would allow you to press and hold on the SDB to place the cursor without setting up a Place Cursor button.
Tap Action	Choose Speak, Speak and Enlarge Text, or No Action when the SDB is tapped.
Highlight Spoken Word	Select a color to see the words highlighted in the SDB as they are spoken.
Highlight Color Phone/FaceTime	Select a color to see the words highlighted in the SDB as they are spoken during a telephony call.

Expanded Speech Area

Note: These settings are not available in a TouchChat Lite app.

Setting	Description
Font	Select one of the 7 available fonts for use for text in the expanded speech area.
Font Size	Determines the size of the font that appears in the expanded speech area.
Font Color	Choose one of the 12 available font colors to apply to text in the expanded speech area.
Background Color	Choose one of the 12 available background colors to apply to the expanded speech area.

Speak

Note: These settings are not available in a TouchChat Lite app.

Setting	Description
Speak Characters	When this setting is turned on, each character will be spoken as entered.
Speak Words	When this setting is turned on, each word will be spoken as entered.
Speak Sentences	When this setting is turned on, each sentence will be spoken as entered.
Auto Clear	Set what happens to text in the Speech Display Bar after it is spoken. Off: Spoken text remains in the Speech Display Bar until you clear it. Immediate: Text is cleared automatically from the Speech Display Bar as soon as it is spoken. After Next Activation: Text is cleared automatically from the Speech Display Bar when you activate a button in your vocabulary.
Grammar	When this setting is turned on, post-morphing grammar transformations (for example, the "Apply Grammar" button action) will be spoken. When this setting is turned off, post-morphing grammar will not be spoken.
Prevent Interruption	When turned on, this setting will prevent interruptions of speaking a sentence if you accidentally hit another button while it is speaking.

Data Logging

Setting	Description
Enable Logging	Turn on data logging, allowing your device to collect language usage data which you can upload to the Realize Language website for web-based analysis.
Privacy Password	Set or change your data logging privacy password.
Clear Log	Clear usage data for the current person.
Realize Language Setup	Upload data collected for a person to the Realize Language website for analysis.

Buttons

Setting	Description
Activate on Release	When this setting is turned on, a button will not activate until released, rather than on touch.
Dwell Time	Controls the delay before a button press is recognized in case a user needs to slide across multiple buttons before pressing the intended button.
Release Time	*Buttons:* All buttons are disabled for specified period of time after each button activation to prevent accidental double button activations.
	SDB: The SDB is disabled for the specified period of time after the user taps the SDB to prevent accidental speaking of words displayed in the SDB twice.
Force Font Size	When this setting is turned off, the button label font size is automatically reduced as needed to allow the entire label to fit into the button area.
Highlight Touch	When this setting is turned on, the button that is touched is highlighted briefly when activated.
Gradient Fill	When this setting is turned on, button colors gradually blend into each other.
Gradient Saturation	Use the Gradient Saturation slider to adjust the saturation/opacity (intensity) of the gradient. Moving the slider to the right makes colors appear more saturated/opaque (intense). Moving the slider to the left makes colors appear less saturated/opaque (pale).
Hide All Icons	When turned on, this setting will hide all of the icons from the buttons and only the text will appear. Note that hiding the button icons will also force the SDB setting "Show Icons" off.
Show Hidden Buttons	When turned on, buttons that have been hidden will be displayed.
Show Grid	When this setting is turned on, a visible grid appears in blank button areas.
Dynamic Grammar Labels	When turned on, Dynamic Grammar Labels displays on button labels the changes that will be made to words when grammar rules are applied. See "Appendix A: Advanced Grammar Features".
Button Margin	To add extra space around buttons, select a margin size between 1 Point and 100 Point. The default size is None.
SymbolStix Skin Tone	Change the skin tone of people displayed on buttons.

Prediction

Action	Description
Prediction Type	Select **Learning + Static** or **Static only**.
	Learning + Static: Word prediction includes the ability to learn and add words to the word prediction dictionary. The settings that apply to learning are available.
	Static only: Word prediction uses the word prediction dictionary. The settings that apply to learning are not available.
Learned Words	The Learned Words will track words either (1) added manually or (2) spoken in the vocabulary. These words will be prioritized over the Static dictionary words.

Whiteboard

Setting	Description
Disable drawing in split view	When turned on, you cannot draw on the whiteboard page when split view is enabled in iOS.
Scale drawing in split view	When turned on, whiteboard drawings are scaled according to the relative size of the app page when split view is enabled in iOS.
Reload last drawing	When turned on, the most recent drawing made on the whiteboard appears when you open Whiteboard.
Autosave drawing	When turned on, whiteboard drawings are saved automatically.

Head Tracking

Head tracking is only available on iOS devices or iPadOS devices that have a front-facing TrueDepth® camera.

Setting	Description
Enable Head Tracking	Turn head tracking on or off. When this option is turned on, you can use small head movements to control where the pointer moves on the screen. For details, see "Appendix B: Setting up and Using Head Tracking" on page 124.

Social Networking

This setting is available on non-dedicated devices only.

Setting	Description
Allow Social Networking	When turned on, this setting allows you to share text from the SDB to social networks.

Amp Connect

Setting	Description
Select Amp	Select your amplifier name to make a Bluetooth connection to the TouchChat software for getting proper battery status readings.
Set up Amp	Set left and right speaker volume, bass, and treble.

Scanning

Setting	Description
Scanning Enabled	When turned on, the scanning settings are available. See "Using the TouchChat Scanning Settings" on page 93.

Updating the TouchChat Application Software

To update your Dialogue AAC app beyond version 2.39, your device must be running iPadOS 14 or iOS 14 or higher. When an update is available, the App Store® icon will appear with a number on the right-hand corner of the icon.

Important! Wi-Fi must be turned on.

1. Tap the App Store icon.

2. Tap **Updates** on the bottom right of the screen.

3. TouchChat will be listed under Updates.

4. Tap **Update** to the right of TouchChat.

5. Enter the Apple ID that you used to purchase TouchChat previously. The update will start downloading.

Analyzing Language Development

You can use the data logging capabilities of your device to collect information on a person's language development. Then you can upload that information to the Realize Language™ website.

Collect data on your device   **Upload the data to the Realize Language website**   **Create easy-to-understand reports**

This process allows you to monitor, measure and maximize the person's use of the device.

Using the Realize Language Website

Realize Language is a subscription-based online service that organizes and analyzes information and presents the results in easy-to-understand graphic formats that provides valuable insights into each person's language development. Using this service from your computer, you can

- Track the person's progress and communication development over time

- Compare different aspects of communication automatically

- Create a detailed summary of performance

- Share information with others

- Quickly create reports that anyone can understand

To learn more, go to the Realize Language website: https://realizelanguage.com/info/

To view or download the Realize Language Starter's Guide, go to
https://realizelanguage.com/info/support

For Customer Support:

If you have a problem with the Realize Language website, email support@realizelanguage.com

If you have a problem with your device, call Saltillo technical support at 1-800-382-8622 or email
service@saltillo.com.

Turning on Data Logging from Your Device

When data logging is turned on, your device collects language usage data which you can upload to the Realize Language website for web-based analysis.

1. In TouchChat tap **Menu** and select **Settings**. The TouchChat Settings screen will be displayed.

2. Under Data Logging, turn on **Enable Logging**.
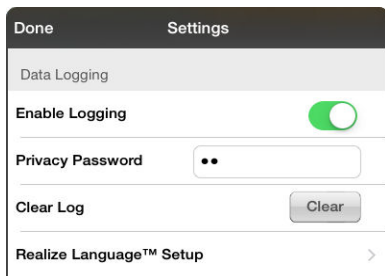
When data logging is turned on, the data logging icon appears in the Speech Display Bar.
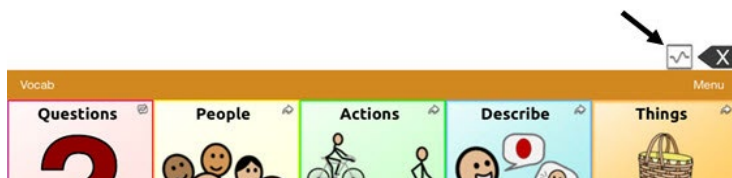
Important! If you plan to use the Realize Language website to analyze data, set up a person before you start collecting data.

Creating a Privacy Password

Data logging provides the option to create a privacy password to protect the data you collect against unauthorized access.

Important! When you create your privacy password, be sure to write it down or store it securely by some other means. If you forget or lose your password, you will need to follow the procedure under "Recovering from a Forgotten or Lost Privacy Password".

1. Under Data Logging, tap the password box located to the right of **Privacy Password**. A cursor will appear in the password box and keyboard will be displayed.

2. Type the privacy password you want to use and tap **Done**. The Confirm New Privacy Password prompt will be displayed.

3. Type your password again and tap **Enter**. "New Password Set" will be displayed.

4. Tap **OK** to close the message.

Recovering from a Forgotten or Lost Privacy Password

If you forget or lose your Data Logging Privacy Password, follow these steps.

Important! This process will remove any currently logged data to ensure the device user's privacy.

1. Back up your vocabulary file. See "Backing up a Customized Vocabulary File using iTunes®", "Backing up a Customized Vocabulary File using iShare", "Backing up a Customized Vocabulary File using AirDrop®, Google Drive™, or Email", or "Backing up a Customized Vocabulary File using Dropbox®".
2. Delete the TouchChat app from your device.
3. Reinstall the TouchChat app.
4. Set up a new password privacy password, using the procedure under "Creating a Privacy Password".

Changing or Removing Your Privacy Password

By default, each time you save data to a file, you enter a password. Entering a password helps ensure privacy—only you will be able to view the data. You can change this privacy password as often as you want, or you can eliminate the need for a privacy password.

To change your privacy password:

1. Under Data Logging, tap the password box located to the right of **Privacy Password**. A Privacy Password prompt and keyboard will be displayed.
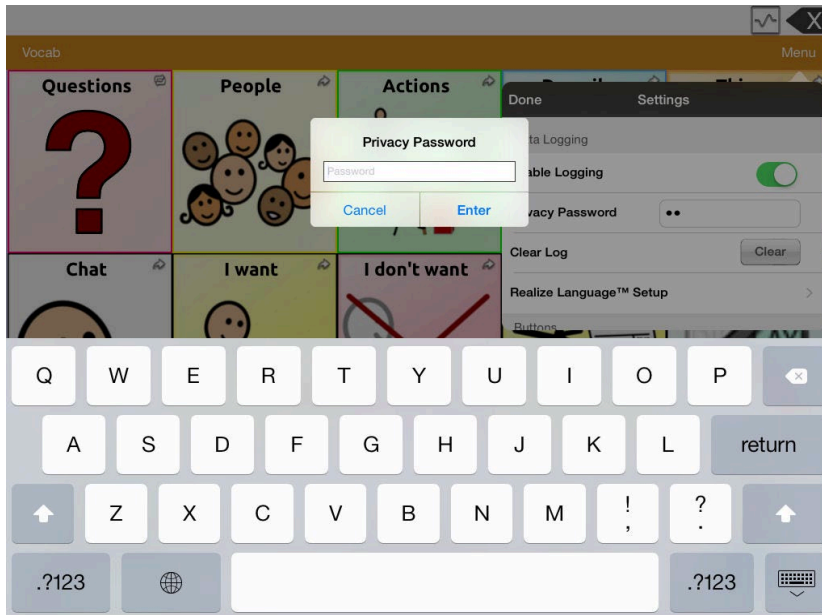
2. Type your old privacy password and tap **Enter**. A cursor will appear in the password box.

3. Use the backspace key ⌫ to clear the Privacy Password field.

4. Type your new password and tap **Done**.

5. The Confirm New Privacy Password prompt will be displayed. Type your new password again and tap **Enter**.

6. "New Password Set" will be displayed. Tap **OK** to close the message.

To remove your privacy password:

If you prefer not to enter a password each time you save data to a file, use this procedure. Keep in mind, however, that you will also lose the privacy protection a password provides.

1. Under Data Logging, tap the password box located to the right of **Privacy Password**. A Privacy Password prompt and keyboard will be displayed.

2. Type your old privacy password and tap **Enter**. A cursor will appear in the password box.

3. Use the backspace key ⌫ to clear the Privacy Password field and tap **Done**.

5. "Privacy Password Cleared" will be displayed. Tap **OK** to close the message.

Clearing Usage Data

To clear usage data for the current person:

1. Under Data Logging, tap the **Clear** button.

2. The Privacy Password prompt and keyboard will be displayed. Type your privacy password and tap **Enter**.

3. "Do you really want to Clear Log?" will be displayed. Choose **Yes** to clear the data log.

4. "Clear Log Completed" will be displayed. Tap **Okay** to close the message.

Clearing Your Realize Language Account Credentials

If you want to clear your Realize Language account credentials, select the **Forget Account** button in the Realize Language login window. For example: You are a clinician and you want to disconnect from your Realize Language account before loaning a device to a client. By doing this, your Realize account email address is not visible, and your account will not accumulate data collected for the client.

Note: The **Forget Account** button will be active only after you enter your credentials in the Realize Language email and password fields.

When you select the **Forget Account** button:
- You will be prompted to confirm that you really want to clear your Realize Language credentials.
- If you confirm, your stored Realize Language credentials will be cleared, Enable Auto-Upload will be disabled, and the login window will close.

Adding a Webhook Event to a Button

Do you know about webhooks and would you like to use them with your device? Here's how TouchChat supports them. *Please note that this section requires a basic understanding of webhooks and programming skills.*

Important! You must be connected to Wi-Fi to use webhooks.

Terms Used in This Section

Term	Meaning
webhook	A webhook is an event that triggers an action.
webhook service/ provider	A webhook service is a web application for retrieving and storing data from a certain event.
webhook event	A webhook event is a web request via a URL that can contain additional information needed by the webhook service/provider. There are two parts to a webhook event: (1) the URL and (2) the payload in JSON format. The event is the piece that TouchChat sends. *Event example:* Create a document
URL	A URL is a website address. For webhooks, a URL is the address sent to trigger an event. Webhooks use the http protocol to communicate with the webhook service/provider.

payload	Additional instructions can be sent with the URL to perform the event. These additional instructions are referred to as a payload.
	
	Note: Not all events need a payload.
	
	Payload examples: Add content to your document (see "webhook event" above); format the content
	
	The webhook service/provider defines the payload. Here's what a small portion of a payload looks like when it's delivered to a webhook service:
	
	`{`
	`  "event_id": "LtWXD3crgy",`
	`  "event_type": "form_response",`
	`  "form_response": {`
	`    "form_id": "lT4Z3j",`
	`    "token": "a3a12ec67a1365927098a606107fac15",`
	`    "submitted_at": "2018-01-18T18:17:02Z",`

JSON	Webhooks must deliver responses (payloads) in JSON format, a language used by programmers. TouchChat provides an interface for these responses. The example under "payload" above is in JSON format.

Adding a Webhook Event

You can create as many webhook buttons as you want, but you can only specify one URL for each button.

Examples of webhook events: send the latest weather report to your device; trigger a payment; send an alert when something happens; turn on a light; open a door; set a thermostat; operate a smart home device

Note: You can simplify programming webhooks by using ChatEditor, especially copying and pasting URLs and entering data in JSON format.

1. Go to the page on which you want the webhook button.

2. Tap **Menu** and select **Edit Page**. The page is now in Edit Mode.

3. Either tap or touch and hold the button you want to modify. The Edit Button menu opens.

4. Select **Edit This Button**. A window opens that will allow you to modify the button.

5. Enter a button label and select or import an image.

6. Scroll down to the Button Actions section.

7. Tap **Add** to open a list of actions.

8. Tap **WebHook** to open a window.

9. Tap after **https://** to insert a cursor and open a keyboard.

10. Enter the URL for the webhook event. This can be copied from the webhook service/provider site.

11. If your event requires a payload, tap in the **JSON** field to insert a cursor and enter the data in JSON format that you want to send from the button.

12. To test the webhook, tap **Test Webhook**.

13. When you finish, tap **Done**. The webhook URL will appear in the Button Actions section.

14. Tap **Save**.

15. Make sure you have an active Wi-Fi connection and choose the button you created.

Non-Dedicated Devices: Viewing TouchChat and Another App Side-by-Side

On a non-dedicated device, iOS Split View allows you to view two apps side-by side at the same time. Not all apps support this feature. Split View should function by default. If Split View does not function by default, open the iOS Settings, select **Home Screen & Dock**, select **Multitasking**, and turn on **Allow Multiple Apps**.

Important! If you are using TouchChat on a dedicated device, you will not be able to use Split View.

1. On your device, open the TouchChat app.

2. Swipe up from the bottom of the screen to display the list of your recently used apps.

3. On the list, touch and hold the icon for the app you want to view with TouchChat and then drag it off the dock to the left or right edge of the screen. The apps will appear side-by-side.
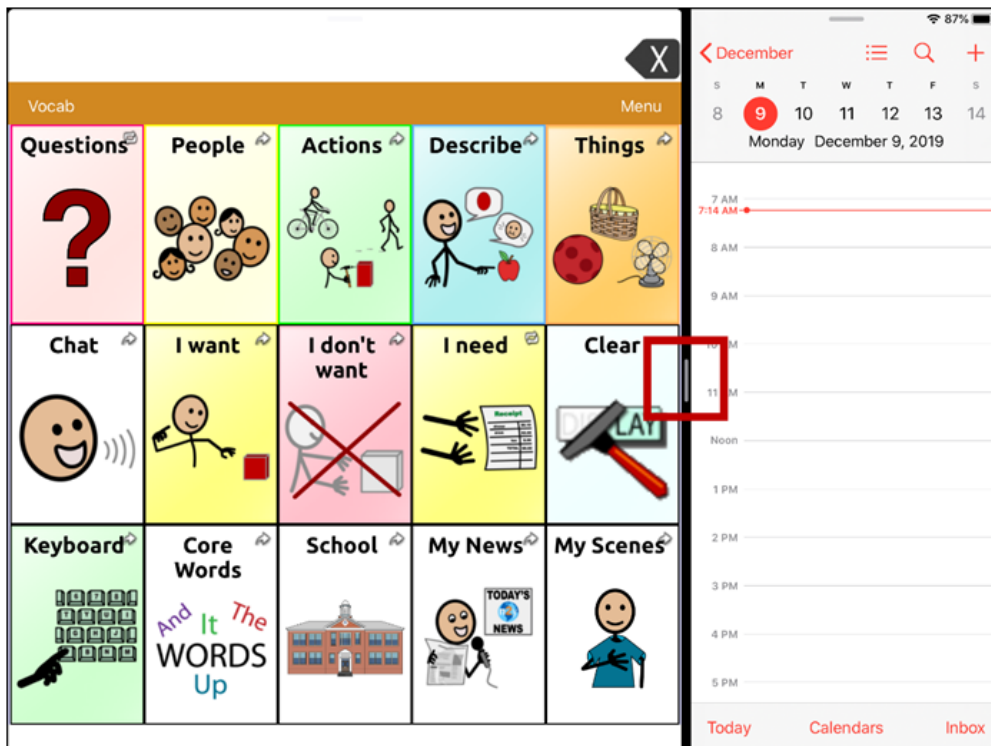
   Note: To adjust the relative size of each app, drag the app divider to the left or right.

Telephony: Using the TouchChat App to Make Phone Calls

Important!

- You must be using the TouchChat app on a non-dedicated device. If you are using a dedicated device, you will not be able to use the phone functionality.

- You must have version 2.23 or later of the TouchChat app.

- You and each person you call must have a FaceTime® account.

To select or change your phone voice:

During a phone call, your phone voice will be different from your usual device voice.

1. In TouchChat Settings, in the Speech section, select **Phone/FaceTime Voice** to open a list of available voices. The voice currently selected displays a checkmark.

2. To change the voice, select the speaker icon 🔊 to hear how a voice sounds. Listen to several voices if necessary.

3. When you find the voice you want, select the Apple icon to download and install it.

To make a phone call:

1. On your device, open the TouchChat app.

2. Swipe up from the bottom of the screen to display the list of your recently used apps.
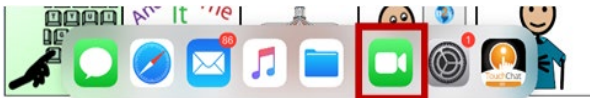
Hint: If you haven't used the FaceTime app recently, the icon will not appear on the list. Open FaceTime and then close it. The icon will then appear on the list.

3. On the list, touch and hold the FaceTime app icon and then drag it off the dock to the left or right edge of the screen. TouchChat and FaceTime will appear side-by-side.
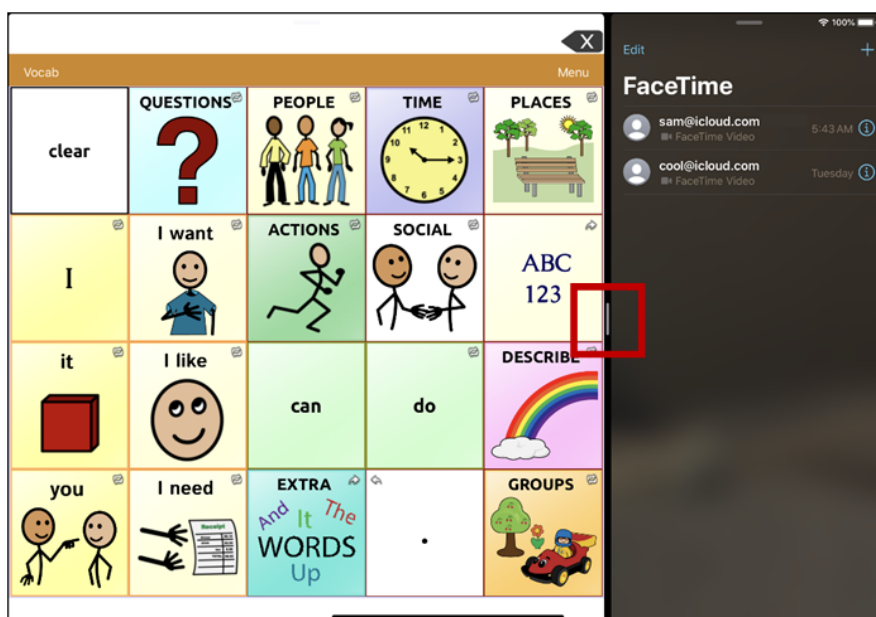
Note: To adjust the relative size of each app, drag the app divider to the left or right.

4. From the FaceTime app, select the person you want to call.

5. When the person you are calling answers, use the TouchChat app to start speaking.

   Note: During the call, TouchChat will switch from your usual device voice to the Phone/FaceTime voice you selected. When you end the call, TouchChat will switch back to your usual device voice.

6. To close FaceTime and Split View when you end the call, drag the app divider over FaceTime.

   Note: If you want to see words highlighted in the SDB as they are spoken during a telephony call, see "Highlighting Words as They are Spoken during a Telephony Call" on page 91.

Backing up Your Device

Important! These procedures explain how to back up and restore device files only. They do not apply to TouchChat vocabulary files.

1. Open the iTunes application on the computer.

2. Connect your device to the computer using a USB cable.

3. In iTunes, the device will appear on the left side.

4. Right-click on the device and choose **Back Up**.

5. iTunes will start to back up the device.

Restoring Your Device

1. Open the iTunes application on the computer.

2. Connect your device to the computer using a USB cable.

3. In iTunes, the device will appear on the left side.

4. Right-click on the device and choose **Restore from Backup**.

5. iTunes will then prompt you to select the backup. Choose the one that is the most recent sync, to ensure having the current versions.

6. iTunes will start restoring the device from the backup.

Appendix A: Advanced Grammar Features

The features explained in this appendix are intended for persons with extensive knowledge of grammar. Please note that this is an alternative way to set up grammar within a vocabulary file. Some vocabulary files already have a grammar in place.

Creating a Grammar Button

To create a button that changes a word to a different grammatical form:

1. Go to the page with the button location you want.

2. Tap **Menu** and select **Edit Page**.

3. Press and hold the button you want to use.

4. Select **Edit This Button**.

5. Add a label. For example, enter **-s**.

6. Scroll down to the Button Actions section.

7. Tap **Add**.

8. Tap **Grammar Action**. The Grammar actions will be displayed.
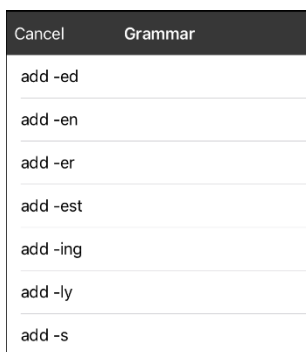
9. Tap the action you want. For example, tap **add -s**. The action will be listed in the Button Actions section.

10. Tap **Save**. In this example, a button labeled "-s" will be available to pluralize all nouns.

Identifying Parts of Speech

To apply a part of speech to a button:

1. Navigate to a page of "things" (nouns).

2. Tap **Menu** and select **Edit Page**.

3. Press and hold a "thing" button (for example, **car**), select **Edit This Button**, and scroll to the **Actions** section.

4. Tap **Add** to open the list of actions.

5. Select **Apply Grammar Property**. The Part of Speech menu will list adjective, noun, and verb options.

6. Select the applicable part of speech (for example, **noun**).

7. Choose **Save**. In this example Apply Grammar Property (noun), will appear at the bottom of the list of actions defined for the button.

   Important! The grammar property must appear first in the list of actions. You'll need to move it to the top of the list.

8. Tap **Edit**. A Delete/Rename icon ⊖ will appear in front of each action and gray bars ☰ will appear to the right. Touch and hold the gray bars ☰ to the right of the Apply Grammar Property (noun) action and drag it to the top of the list of actions.

9. Choose **Save**.

10. Repeat steps 3 through 10 for the remaining "thing" buttons on the page.

Creating a Grammar Rule Button

1. Press and hold the button you want to set up as a pluralize button, select **Edit This Button**, enter a label for the button (for example "-s"), and choose the **Actions** tab.

2. Choose **Add** to open the list of actions.

3. Select **Apply Grammar State**. The Grammar menu will display a list of options.

Cancel	Grammar
add -ed	
add -en	
add -er	
add -est	
add -ing	
add -ly	
add -s	
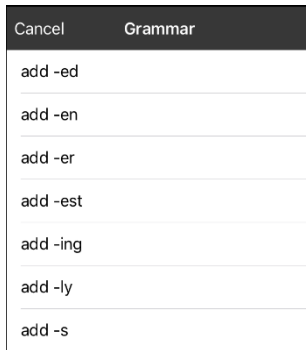
   These options perform as follows:

Option	Application
add -ed	verb simple past tense
add -en	verb past perfect participle
add -er	adjective comparative
add -est	adjective superlative
add -ing	verb present participle/gerund
Add -ly	adverb
add -s	noun plural

4. Select the applicable option (for example, **add -s**).

5. Choose **Save**. In this example, Apply Grammar State (add -s) will appear in the list of actions defined for the button.

6. Remove any other actions that were already on the list.

7. Choose **Save**. In this example, a button labeled "-s" is now available to pluralize all words identified as nouns.

Using Your Grammar Rule Button

Place the grammar rule button on a page of applicable items. For example, place a pluralize button on a page of things (nouns). If you tap your pluralize button and then choose a thing, you will need to tap the pluralize button again before pluralizing another thing.

1. In the Speech Display Bar (SDB), enter the words you want to speak *up to* the thing you want to pluralize. For example, enter "I want more".

2. Tap the "-s" button you created in the previous section, "Creating a Grammar Rule Button".

3. Choose the thing button you want (for example, **car**). The SDB will display "I want more cars".

Clearing a Grammar Rule

You may find it useful to create a Clear Grammar State button.

If you tap the pluralize button and decide you don't want to pluralize a word on the current page, you can move to another page of things, select a noun from that page, and that noun will be pluralized.

If, however, you tap the pluralize button and decide you don't want to pluralize any word, the software will pluralize the next noun you select unless you clear the pluralize state. In this case, after you tapped the pluralize button and then changed your mind, you would navigate to your Clear Grammar State button and tap it. From that point forward, nouns won't be pluralized until you tap your pluralize button.

To create a button for clearing the current grammar state:

1. Go to the button you want to use and tap **Menu**, select **Edit Page**, and select **Edit This Button**.

2. Give the button a label, scroll down to the Actions section, select **Add**, and select the action **Clear Grammar State**.

3. Remove any other actions that were already on the list.

4. Choose **Save**. This button will now clear any grammar state that has been activated.

Toggling Speaking of Modified Words On or Off

When you have your device set to speak after each word, you may not want to speak the modified forms of words. For example, if you add an "-s" action to a button (see "Creating a Grammar Rule Button" on page 121 and "Using Your Grammar Rule Button" on page 122), you may not want to speak "car and then "cars". The Grammar option in the Speak settings allows you to set whether the modified form speaks.

Tap **Menu**, select **Settings**, and scroll to the Speak section. Select **Grammar** to turn it on or off. By default, this setting is turned on.
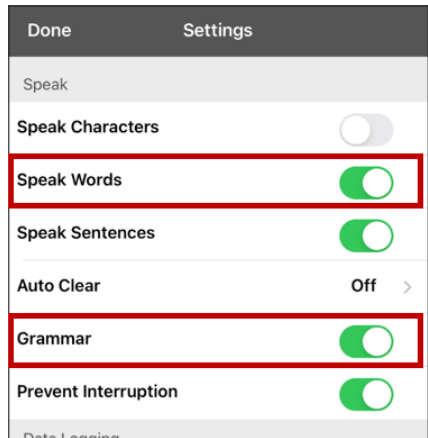
Note: To use the Grammar option, **Speak Words** must be turned on. If Speak Words is not turned on, Grammar does not appear as an option. For additional information on speech options, see "Speaking after Every Character, Word, or Sentence" on page 31.

***When the Grammar option is turned on, the* conjugated form of the word is spoken. For example:**

Select **I** want — "I want" is spoken. Select **car** — "car" is spoken. Select **more** — "more" is spoken. Select **-ed** — "cars" is spoken. Tap the SDB — "I want more cars" is spoken.

***When the Grammar option is turned off, the* conjugated form of the word is not spoken. For example:**

Select **I** want — "I want" is spoken. Select **car** — "car" is spoken. Select **more** — "more" is spoken. Select **-ed** — "cars" is **not** spoken. Tap the SDB — "I want more cars" is spoken.

Appendix B: Setting up and Using Head Tracking

This appendix explains how to set up and use head tracking with the TouchChat app.

Setting up Head Tracking

Note: Head tracking is only available on iOS devices or iPadOS devices that have a front-facing TrueDepth® camera.

The head tracking feature allows individuals who are unable to use their hands to alternatively use small head movements to control where the pointer moves on the screen. The front camera in your device translates these head movements into pointer movements and activations/selections on the screen.

Turning Head Tracking On or Off

To access the head tracking settings, tap **Menu** and select **Settings**. Under Head Tracking, tap **Enable Head Tracking** to turn head tracking on or off.

Important!

The first time you enable head tracking, you will be prompted to calibrate: "Calibration Needed: Your cursor may not be accurate. Please calibrate now."

Calibration Needed
Your cursor may not be accurate.
Please calibrate now.
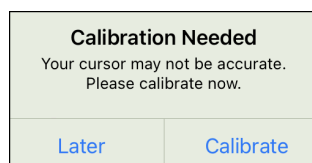
| Later | Calibrate |

Tap **Calibrate** and perform the calibration procedure. If you aren't ready to calibrate, tap **Later**.

The first time you enable head tracking, you will be prompted to allow access to the device's front-facing camera. Select **OK**. If you don't allow access, you will not be able to use head tracking. If the message "Camera Permission Denied" appears, see the resolution under "Troubleshooting Head Tracking".

Positioning the User

⚠ Analysis of positioning by a qualified person is required to prevent repetitive stress injuries to the user.

Position the user approximately 12 to 36 inches from the device screen. You may find that the user has more control when located toward the lower end of that range.

If someone is sitting beside the user, try to position the device to face the user as much as possible. If the camera detects two faces, the head tracking system will choose the largest or most clearly recognizable face.
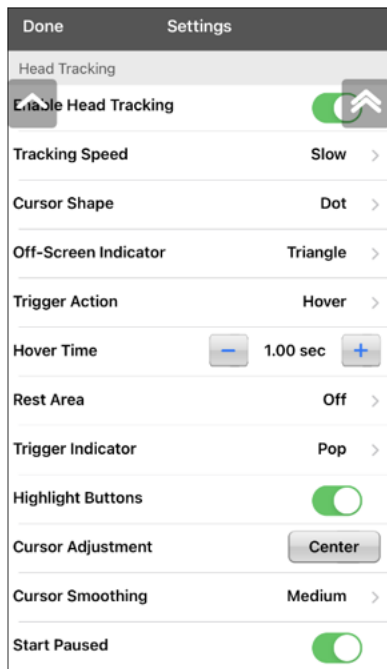
Adjusting Head Tracking Settings

It is important to adjust the head tracking settings in the TouchChat software to work best for the individual who will be using it.

Important! Because head tracking depends on the user's head movement capabilities, these instructions only cover the setup basics. You may need to refine your settings several times. We suggest changing one setting at a time.

To change a setting:

1. Tap **Menu** and select **Settings**.

2. Under Head Tracking, select the setting you want to change.

3. When a list of options is displayed, select the option you want.

4. Choose **Done**.

Available Settings

Note: The default setting for each option in this section is indicated by an asterisk *****.

Enable Head Tracking

Turn head tracking on or off. When you turn Enable Head Tracking on, all the head tracking settings are displayed.

Tracking Speed

The relative speed at which the cursor moves on the screen for each head movement. Choose from the following tracking speeds: Very Slow, Slow*****, Normal, Fast, and Very Fast. The slower settings require greater head movement; the faster settings require less head movement.

Cursor Shape

The type of cursor that is displayed to indicate head position as you move your head and make selections. You can indicate head position by cursor, by highlight, or by both at the same time. Choose from the following cursor shapes.

None	No visible cursor.
	Note: If you select None, it is best to turn the Highlight Buttons setting on. If you set Cursor Shape to None and turn Highlight Buttons off, you will have no visible way to track head movement.
Dot*	
Crosshair	
Arrow	

Off-Screen Indicator

Indicates when head movement is taking the cursor off the screen to the left, right, top, bottom, or any corner. Choose from the following off-screen indicators.

None	No off-screen indicator will appear
Dot	A dot will appear at the edge of the screen. The dot gets larger the farther off-screen you move.
Triangle*	A triangle will appear at the edge of the screen

Trigger Action

The head or face action that will make an activation. When you stop moving your head to point at the item you want, the cursor appears on that item or the item is highlighted. The selected action then activates the item. Choose from the following trigger actions.

None	No activations will be made
Hover	When you point at an item for an extended time, a circle begins to form around the cursor. When the circle is complete (determined by your Hover Time setting), the item is activated. If you point away from the item before the circle is complete, the item is not activated.
	Note: When you select Hover as the trigger action, the setting Hover Time replaces the setting Trigger Sensitivity.
	Important! If you select **Hover** as the trigger action, do not attempt to pause head tracking. Currently, the hover trigger will not resume head tracking.
Blink*	Blink your eyes to make an activation.
Mouth Open	Open your mouth to make an activation.
Eyebrows Up	Raise your eyebrows to make an activation
Tongue Out	Stick out your tongue to make an activation
Smile	Smile to make an activation
Frown	Frown to make an activation

Trigger Sensitivity

The degree of trigger movement required to make an activation. Choose Low, Medium, or High*****.

Note: When you select **Hover** as the trigger action, the setting Hover Time replaces the setting Trigger Sensitivity.

Rest Area

The rest area is an inactive area surrounding the last activation point. This area allows the user to rest before moving to the next activation. When the user is within the rest area, head-tracking does not make activations via any trigger action. To access the rest area settings, choose **Rest Area** from the Head Tracking settings. The rest area settings will be displayed.

To activate the rest area:

Select the Rest Area On/Off button to turn the rest area **On**. Turning the button on activates the rest area and the rest area settings.

Note: When the Rest Area On/Off button is turned **Off**, the rest area settings are not available.

To set the size of the rest area:

Select **Rest Area Size** to open a window for adjusting the size of the rest area radius. Select a value and choose **OK**.

Note: Even if Rest Area Size value is set to **Off**, the "Use Button as Rest Area" option is still available.

To use the last vocabulary button activated as the rest area:

Select **Use Button as Rest Area**. The last vocabulary button activated becomes the rest area. While the pointer is within the button, head tracking does not make any activations, allowing the user to rest. "Show rest area" and "Rest area size" are not needed and are therefore not available when User Button as Rest Area is selected.

To make the rest area visible on the screen:

Select **Show Rest Area**. A light circle will outline the rest area perimeter.

Note: Selecting Show Rest Area does not enable the rest area itself. It merely makes the rest area visible on the screen. The Rest Area On/Off setting (see above) enables and disables the rest area.

To leave the rest area:

To leave the rest area and resume making activations, the user simply moves the pointer out of the rest area circle or off the vocabulary button used as the rest area.

Trigger Indicator

The visual indication that an item has been activated. Choose one of these indicators:

None	No visual indicator
Dot	A light-colored, transparent dot
Pop*	A starburst

Note: **X** appears when you try to use your trigger action on a non-selectable item.

Hover Time

When you select **Hover** as the trigger action, the setting Hover Time replaces the setting Trigger Sensitivity.

Tap **+** to increase hover time in increments of 0.05 seconds; tap **–** to decrease hover time in decrements of 0.05 seconds. Available times range from 0.2 seconds to 2.5 seconds. The default hover time is 1.00 second.

Highlight Buttons

When Highlight Buttons is turned on, buttons are highlighted by a colored outline to indicate head position as you move your head. Tap to turn on the highlight. You can indicate head position by cursor, by highlight, or by both at the same time.

Note: Highlight Buttons is turned on by default. If you turn Highlight Buttons off, be sure to select a cursor shape. If you turn Highlight Buttons off and set Cursor Shape to None, you will have no visible way to track head movement.

Cursor Adjustment

Cursor Adjustment allows you to adjust the relative position of the cursor when the user is unable to be positioned directly in front of the device.

Center	Selecting Center will adjust the position of the cursor so that it is centered with respect to the user's current head position. If you change the orientation or the position of the device relative to the user, you may need to re-center the cursor.
	For example, a device is mounted slightly to the left of the user on a wheelchair. Because of this, when the user looks straight ahead, the cursor may appear shifted to the right. To compensate for this, have the user position his or her head at a comfortable, natural starting position and then select Center. This will automatically adjust the cursor so that it is once again centered on the screen, relative to the user.
	When you select **Center**, the cursor is hidden temporarily and the centering image appears in the center of the screen.
	Have the user look at the image until the image disappears (after three seconds). The cursor will be centered.
	Hint: You can also center the cursor by creating a Center button in your vocabulary.
	1. Navigate to the page that includes the button you want to use.
	2. Tap **Menu**, select **Edit Page**, tap the button you want to use, and select **Edit This Button**.
	3. Give the button a name that describes its purpose.
	4. Scroll to the Button Actions section.
	5. Tap **Add**.
	6. Scroll through the list of actions and select **Center Head Tracking**.
	7. Tap **Save**. Tap **Done** to exit Edit Mode.

Cursor Smoothing

Smoothing compensates for minor shakiness or tremors to reduce accidental button activations. The greater the user's involuntary head movement, the more you may need to increase the smoothing value to compensate. A lower smoothing value will also make the cursor more responsive. Choose one of these options:

Low	The cursor will appear less stable but will be more responsive to head movements.
Medium*	The cursor will appear slightly more stable and will be slightly less responsive to head movements.
High	The cursor will appear very stable but will be less responsive to head movements.

Start Paused

When you turn **Enable Head Tracking** on, head tracking is paused and "Resume" appears centered between Vocab and Menu. Activate **Resume** to start making selections.

Additional Setting – Auto-Lock Time

If the device screen dims while you are using head tracking, change the Auto-Lock time. Change the time only as much as necessary. Longer auto-lock times will use more battery charge.

1. Open the iPad settings.
2. Select **Display & Brightness** in the left pane.
3. In the right pane, select **Auto-Lock**.
4. Select the next higher time value.
5. Return to TouchChat and continue using head tracking.
6. If the screen still dims too soon, repeat steps 1 through 5.

Head Tracking Tips

Pausing Head Tracking

When you turn head tracking on, "Pause" appears centered between Vocab and Menu. When you activate Pause, head tracking stops temporarily and "Resume" appears. Use your trigger action to activate Resume and start up head tracking again.

Note: When the on/off head tracking setting **Start Paused** is turned on, head tracking is paused by default when opened. Simply Activate **Resume** to start making selections.

Scrolling

When head tracking is enabled, quick scroll arrows appear in the corners of the TouchChat settings and the TouchChat list of vocabularies. When you need to scroll through these lists of items, point at and trigger the appropriate quick scroll arrow.

⌄	Scroll down through the listed items
⌃	Scroll up through the listed items
⌄⌄	Jump to the bottom of the list
⌃⌃	Jump to the top of the list

Troubleshooting Head Tracking

When you try to enable head tracking in the TouchChat settings, you see the message "Camera Permission Denied".

While customizing a vocabulary sometime in the past, you may have denied camera access.

Resolution:
1. Open the iPad settings.
2. Select the **TouchChat** app in the left pane.
3. In the right pane under "Allow TouchChat to Access", turn **Camera** on.
4. Return to TouchChat and enable head tracking in the settings.

Appendix C: Creating an Apple Personal Voice

You can create a Personal Voice on devices running iOS 17 or later: iPhone 12 or later; iPad Air (5th generation); iPad Pro 11-inch (3rd generation); or later; iPad Pro 12.9-inch (5th generation) or later. This feature is currently available in English only.

Create a Personal Voice

This process will take 30 minutes or more of speaking to train the voice and then 12 to 24 hours to process on the iPad.

Note: Processing will pause if you use the iPad before it is complete. You may want to agree to share the voice on all devices connected to your account so that you don't need to recreate the voice in the future.

1. Open the **Settings** app on your device.

2. Go to **Accessibility** > **Personal Voice** > **Create a Personal Voice**.

3. Follow the on-screen instructions to create a Personal Voice. You will be asked to read 150 phrases to train machine learning.

4. While in Accessibility/Personal Voice, make sure that "Allow Apps to Request to Use" is turned on.

Authorize the App to use Apple Personal Voice.

Go to **Settings** > **Voice** > **Custom Voices** > **Apple Personal Voice**. Then allow Personal Voice access in the popup. *Note:* If you decline this voice access, it must be re-enabled in the iOS settings.

Verify that your Personal Voice Appears at the top of the Voice list

After authorizing your Personal Voice, it should appear at the top of the voice list. If it does not appear, restart the app. If does appears but will not speak, restart the iPad.

Once enabled, your Personal Voice should have the same basic functionality as any other Apple voice.
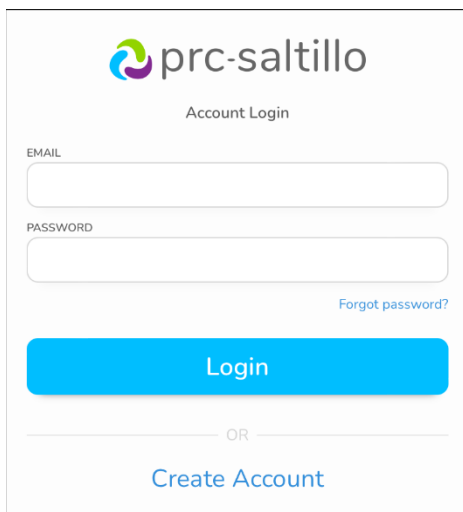
Appendix D: Deleting Your PRC-Saltillo Account

If you need to delete your PRC-Saltillo account, do the following.

1. Tap **Vocab** and **Choose New Vocab**.

2. Tap **Menu**.
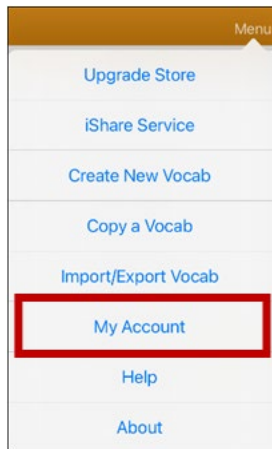
3. Select **My Account**. The PRC-Saltillo Account Login window opens.

4. Enter your email address and password and tap **Login** to open the PRC-Saltillo website.

5. Select the login icon and choose **Edit My Account** > **Settings** > **Delete Account**.

6. Enter your password to delete your account.