



Speech Assistant AAC for iOS

User Manual

Version 5.5



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1. Introduction

Speech Assistant AAC is a text-to-speech iOS app designed for people who are speech impaired.



With the app you can create categories and phrases, which are placed on buttons. With these buttons you can create messages that can be shown or spoken (text-to-speech). It is also possible to type any text using the keyboard.

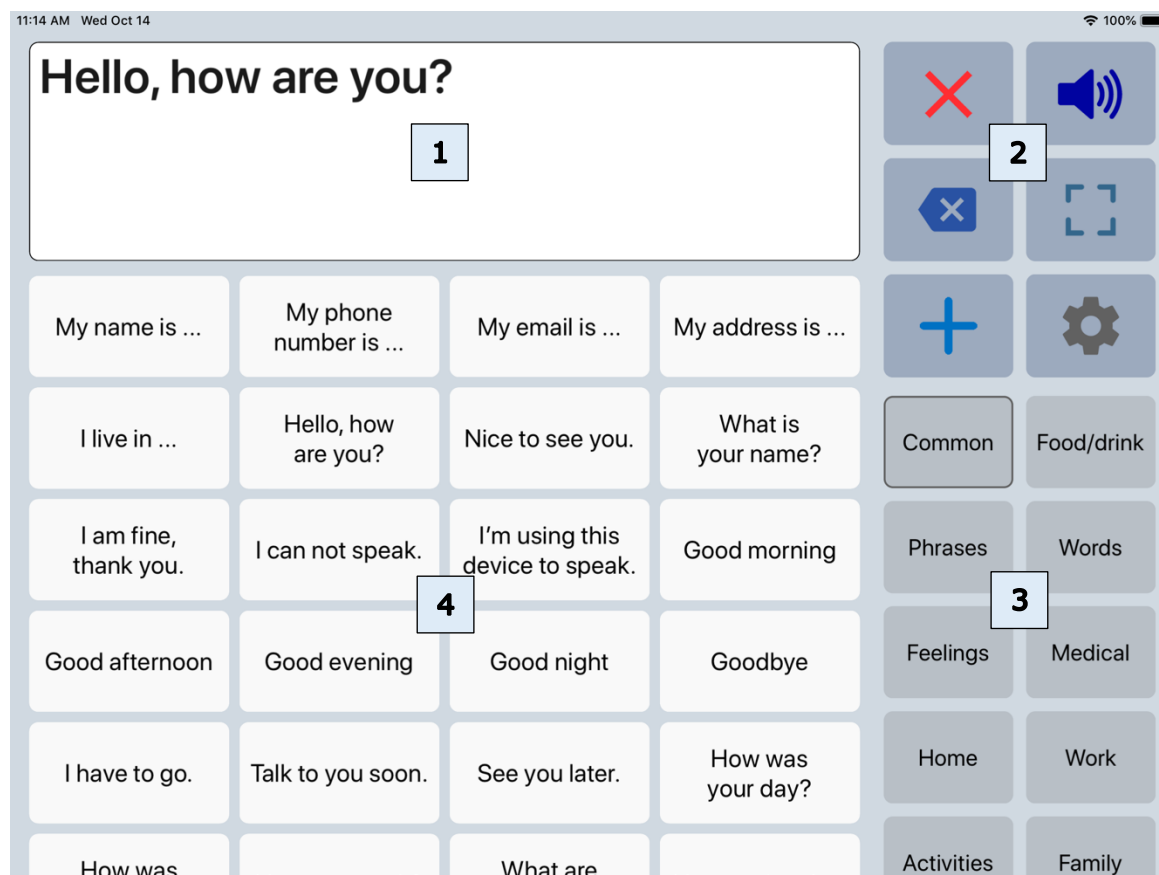
The app is easy to use, has many features and the app can be completely customized to your personal needs and preferences.

The app can be used on:

- iPhone and iPad (with iOS 12 or newer)
- Apple Watch (with watchOS 9 or newer)
- Mac with Apple silicon.



2. Interface on iPad and iPhone



The interface of the main screen has 4 components:
The textbox and 3 scrollable areas with buttons.















1	Textbox	The text of your message appears in the textbox. When you tap in the textbox the onscreen keyboard will appear.
2	Action buttons	There are 12 action buttons. The first 6 buttons are always visible, the other buttons can be made visible by scrolling down over the action buttons. The action buttons can also be placed on the left side of the screen in the settings of the app.
3	Categories	Scrollable area with the categories.
4	Phrases	Scrollable area with the phrases that belong to the selected category.

The app is designed for iPhone and iPad.
Both support portrait and landscape layout.



3. Action buttons

Overview

	Speak	Speaks the text in the textbox. In the 'Speech and sound' settings the actions of this button can be adjusted (with option to pause the speech).
	Clear All	Clears the textbox.
	Clear Word	Clears the last word in the textbox.
	Show full screen	Shows the message in the textbox full screen.
	Add	Opens the add menu: New phrase, Save current phrase, New category.
	Settings	Opens the settings menu.
	Edit phrases	Edit the last clicked phrase.
	Attention sound	Make an attention sound. The sound can be selected in the 'Speech and sound' settings.
	Share phrase	Share the phrase to mail, text or social media.
	Flip text	Flip the text in the textbox to show your message to the person opposite of you.
	Keyboard	Opens the onscreen keyboard.
	Users	Switch between user profiles.
	Reorder phrases	Reorder the buttons with phrases (with drag and drop).
	Search phrases	Search through all phrases with edit option.



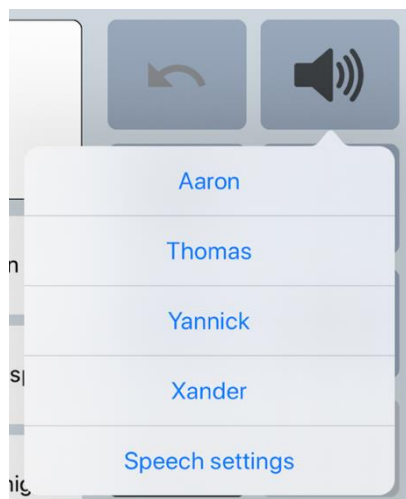
3. Action buttons

Long press special features

The speak and Clear buttons have special features which can be activated by long pressing the button. The long press actions must first be enabled in the settings.

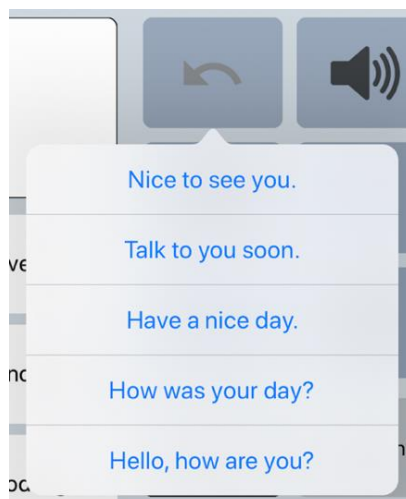
Speak button:

Long press to switch between the 4 most recent selected voices.



Clear button:

Long press to retrieve the last 5 cleared phrases.

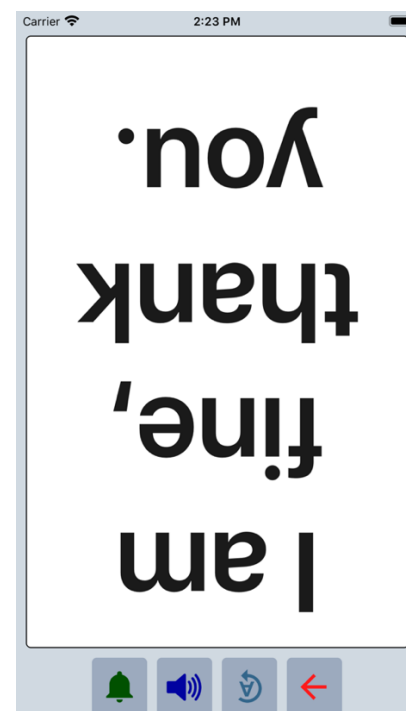
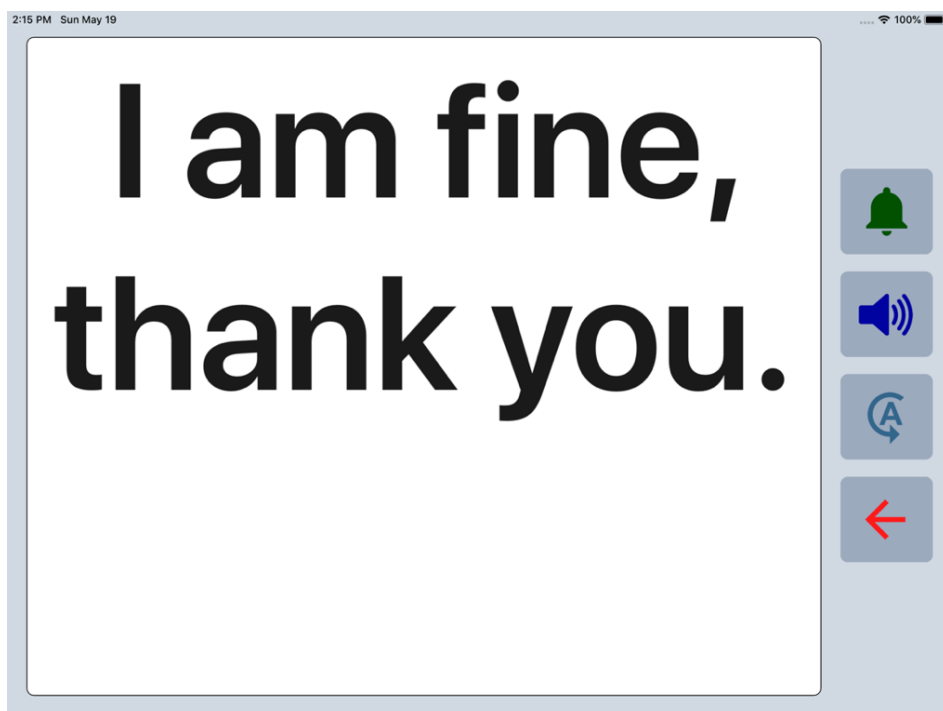


4. Full Screen

With full screen you can show your message with a very large font.

Useful for communicating in a noisy environment.

You can also show your message to the person opposite of you with the button to flip the text.

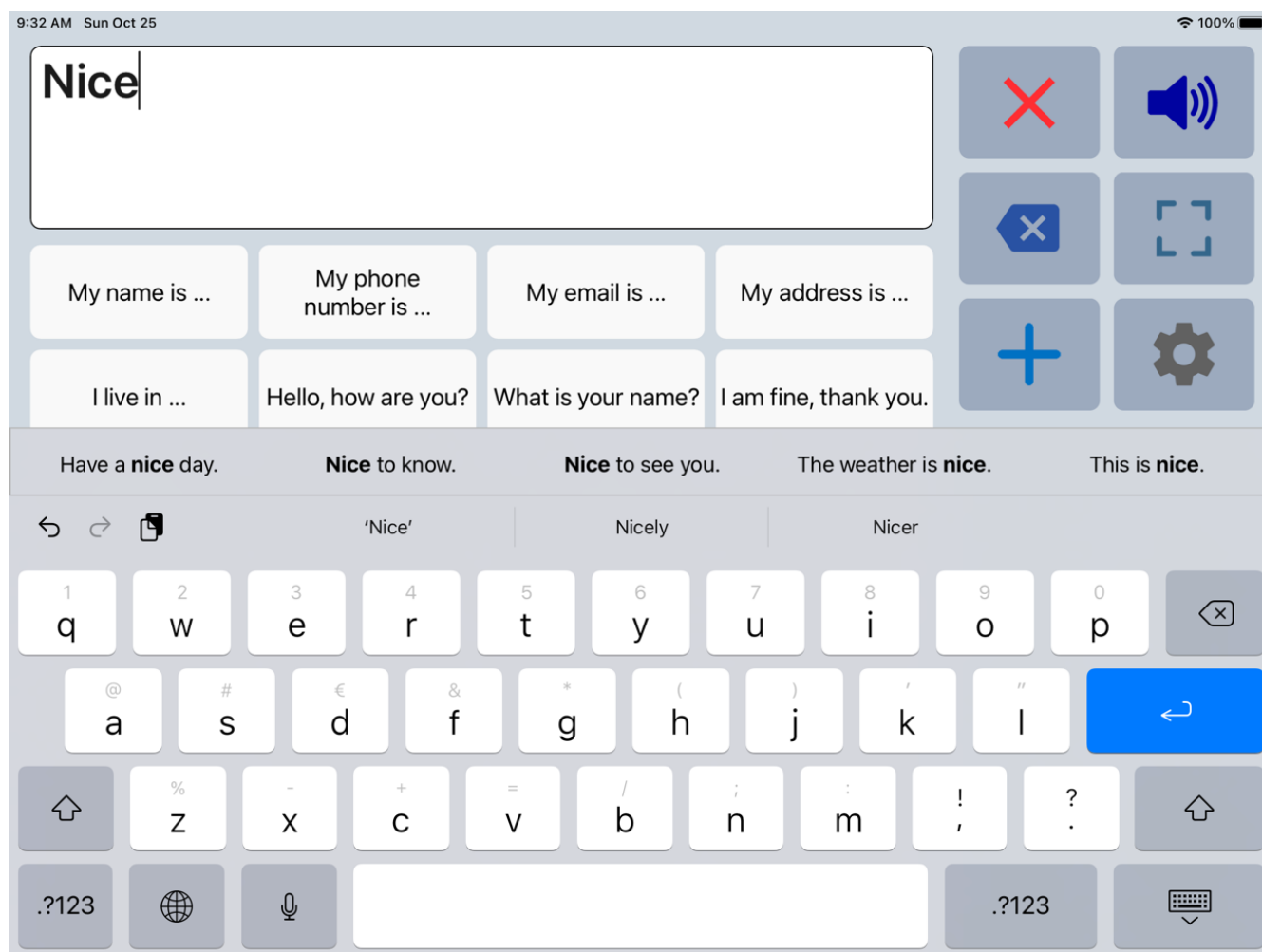




5. Creating messages

With the app you can define categories and phrases, which are placed on buttons. With these buttons you can create messages that can be spoken or shown on full screen.

When you tap in the textbox, the onscreen iOS keyboard will appear and with the keyboard you can type anything into the textbox you want to be spoken or shown.



When you want to use the message you have typed more often, then you can save this message by tapping the Add button and choosing 'Save current phrase'.

Other options

When autosearch is enabled in the general settings the app searches, based on your typing, through all your phrases and puts the found phrases on an extra bar on the keyboard.

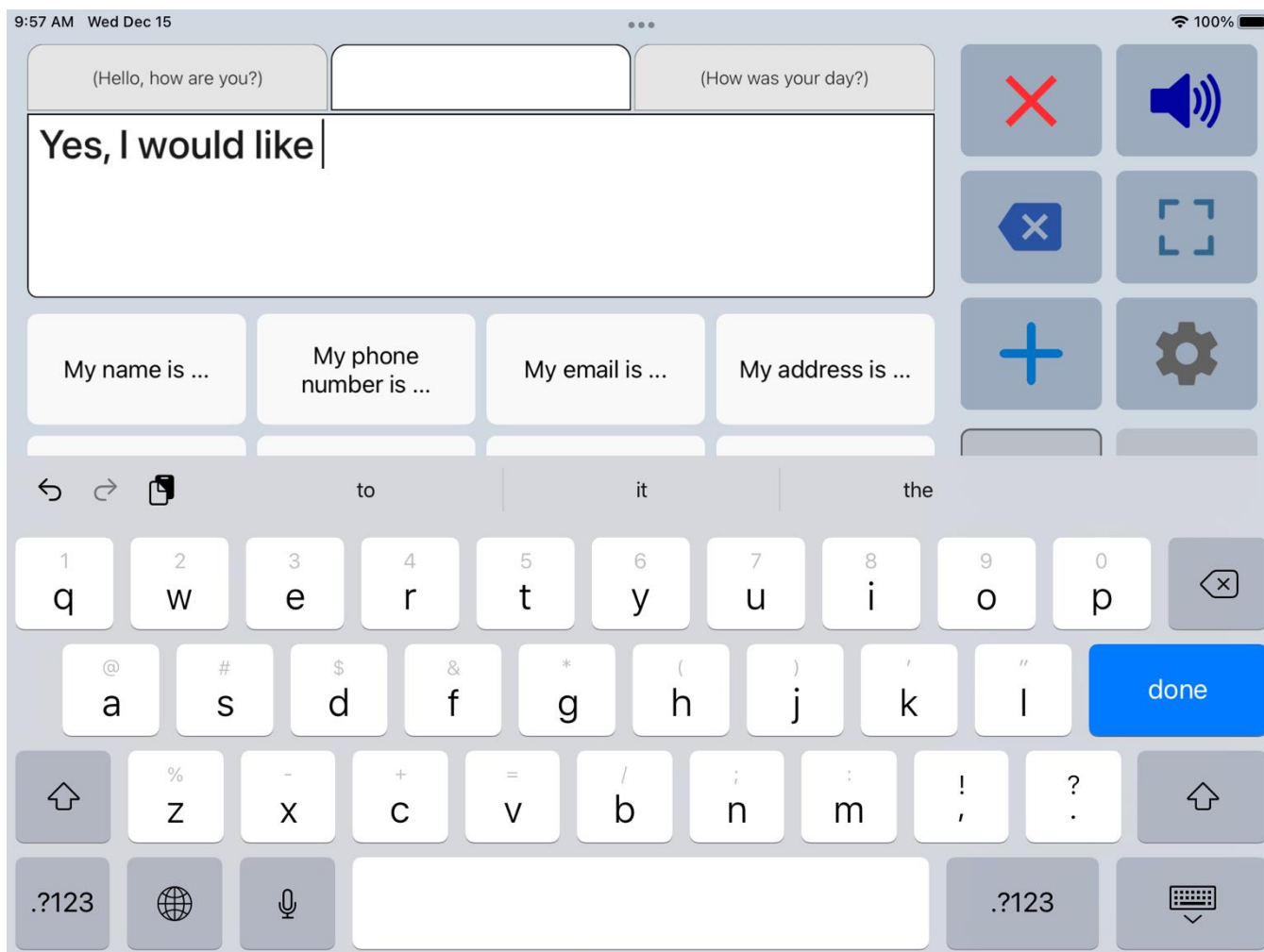
The characters or words can be spoken while you type. You can enable these options in the 'Speech and Sound' settings of the app.

When History is enabled in the settings, the messages that are spoken are saved in a special category called History, so that you can use them later again.

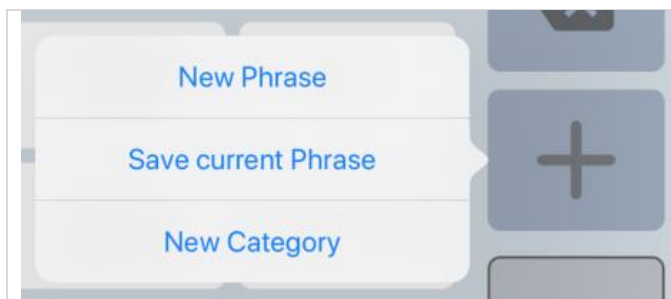


6. Multiple conversations

In the general settings you can enable the option 'Tabs for multiple conversations'. With the tabs you can easily switch between two or three conversations. For example, in the second tab you can answer a question to someone else and then continue typing your message in the first tab.



7. Add categories or phrases



On the main screen, you can add a new category or new phrase with the action button Add.

It is also possible to add categories or phrases in the settings of the app.



8. Edit phrases

Edit by long press

The first time the app is started, it creates a set of default categories and phrases in the language of your iPhone or iPad (English, French, German or Dutch).

You can modify or delete phrases by long pressing a phrase button or in the settings.

The 'Edit phrase' screen has a title bar 'Edit phrase'. Below it is a large text input field containing 'Can I have coffee with milk?'. Underneath is a 'Label:' section with a text input field containing 'coffee milk'. Below that is a 'Category / position:' section with a table-like interface. At the bottom of this section are four icons: a speech bubble, a photo, a symbol, and a microphone. At the very bottom are three buttons: 'Cancel', 'Delete', and 'Save'.

Category	Position	Phrase
Common	Pos: 8	tea
Common	Pos: 9	coffee
Food/drink	Pos: 10	coffee milk
Phrases	Pos: 11	with
Words	Pos: 12	and

Phrase: The phrase that is spoken and/or is placed in the textbox.

Label: The text that is placed on the button, if the label is empty, the phrase will be placed on the button.

Category/position: With the 'spinning-wheels' you can change the category and position.

Button color: Change the color of the button.

Button image: Gives the options to select a Photo (from your photo library) or Symbol. You can also take a Photo. The image will be placed on the button next to the text.

Button recorder: Shows the recorder screen where you can make a voice recording that will be played when you press the phrase button on the main screen.

It is also possible to select a previously made voice recording. Or recordings that are imported with the function 'Import recordings' in the Backup/Restore menu.

The default audio format is m4a, this can be changed into wav in the settings of app.

The 'Recorder' screen has a title bar 'Recorder'. Below it is a 'Recording name:' section with a text input field containing 'Have a nice day.m4a'. Below that is a 'Deselect' button. In the center is a large circular timer showing '0.0'. Below the timer are two buttons: a red circle and a blue play button. At the bottom are two buttons: 'Cancel' and 'Ok'.



8. Edit phrases

Edit in the settings

If you go to the 'Categories and phrases' settings, then to Categories and then select a category, the list of all the phrases that belong to the selected category will be shown.

Button Edit : change to the edit mode where you can change all the phrases in the list in one go.

Button ++ : shows the screen where you can add up to 10 phrases in one go.

Button + : shows the screen where you can add a phrase.

List mode:

Back	Edit	++	+
My name is ...			
My phone number is ...			
My email is ...			
My address is ...			
I live in ...			
Hello, how are you?			
Nice to see you.			
What is your name?			
I am fine, thank you.			
I can not speak.			
I'm using this device to speak.			
Good morning			

Edit mode:

Back	Delete (4)	Color (4)	Save
<input type="radio"/>	<input type="text" value="My name is ..."/>		
<input checked="" type="radio"/>	<input type="text" value="My phone number is ..."/>		
<input checked="" type="radio"/>	<input type="text" value="My email is ..."/>		
<input checked="" type="radio"/>	<input type="text" value="My address is ..."/>		
<input checked="" type="radio"/>	<input type="text" value="I live in ..."/>		
<input type="radio"/>	<input type="text" value="Hello, how are you?"/>		
<input type="radio"/>	<input type="text" value="Nice to see you."/>		
<input type="radio"/>	<input type="text" value="What is your name?"/>		
<input type="radio"/>	<input type="text" value="I am fine, thank you."/>		
<input type="radio"/>	<input type="text" value="I can not speak."/>		
<input type="radio"/>	<input type="text" value="I'm using this device to spe..."/>		
<input type="radio"/>	<input type="text" value="Good morning"/>		

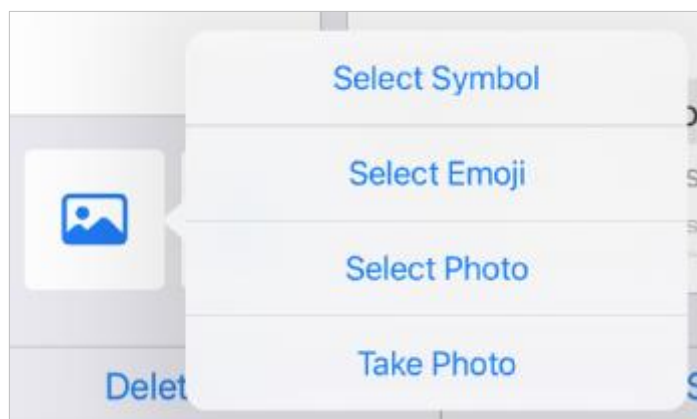
- In Edit mode you can change the text of all the phrases in the list in one go.
- You can also select multiple phrases and change the color of the selected phrases or delete the selected phrases.
- By drag and drop on the 3 horizontal lines, the order of the phrases can be changed.



8. Edit phrases

Photos, Symbols and Emoji

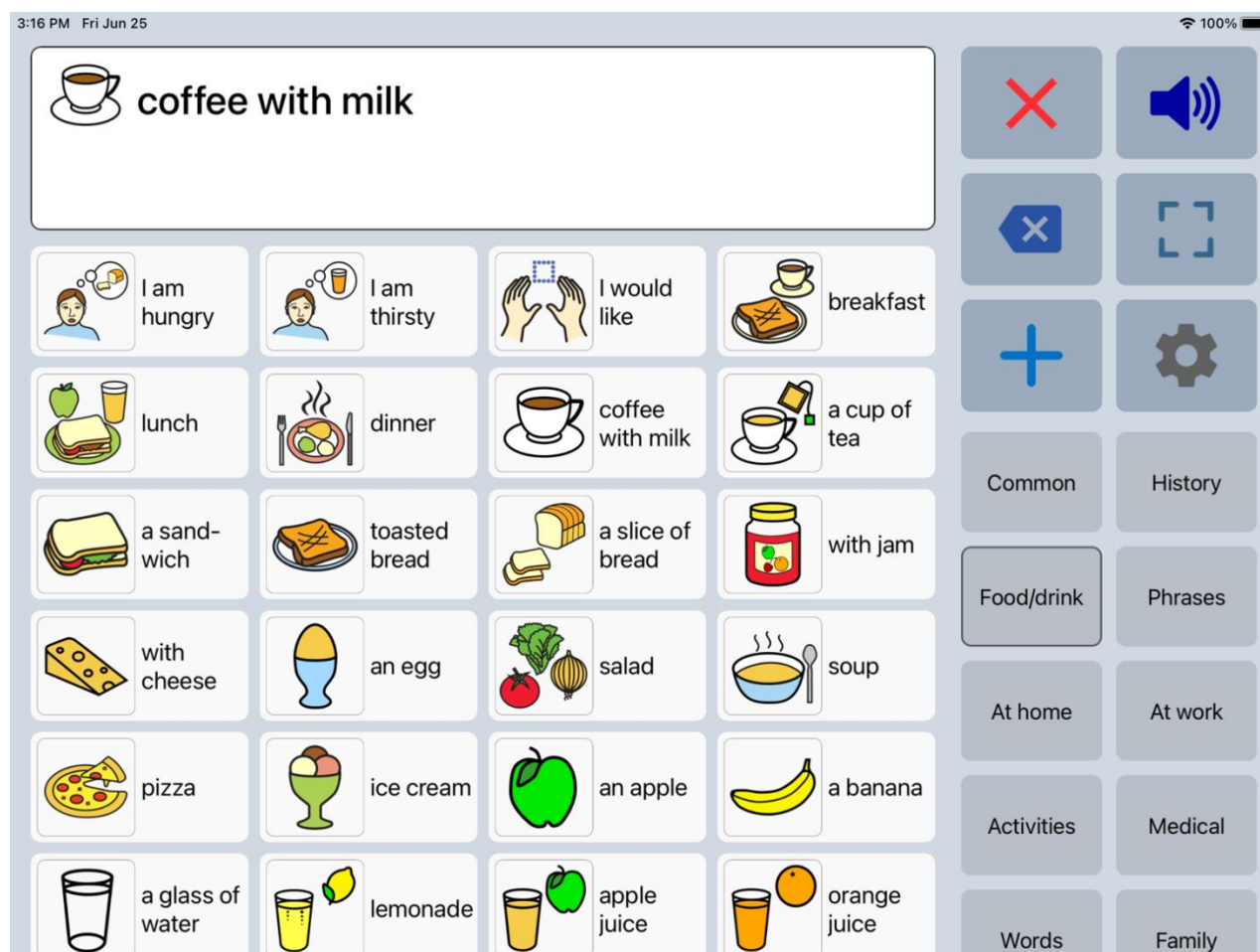
When you edit a phrase and tap on the image button, you can for example select a Photo (from your photo library) or select a Symbol or an Emoji.



The images are placed on the buttons with phrases and are also shown in the textbox. In the general settings you can disable the option to show the image in the textbox.

Symbols on the buttons

This is an example of using the symbols from the set of set of 3400 Mulberry Symbols. Using the Mulberry symbols can be useful because they are specifically designed to support communication.

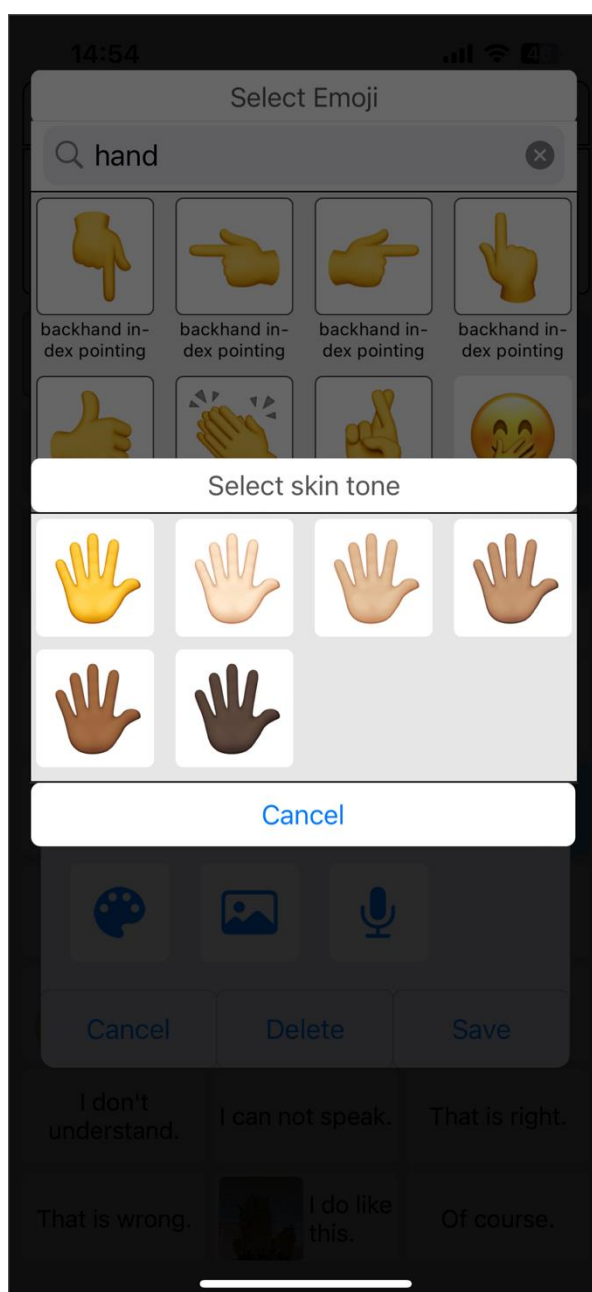
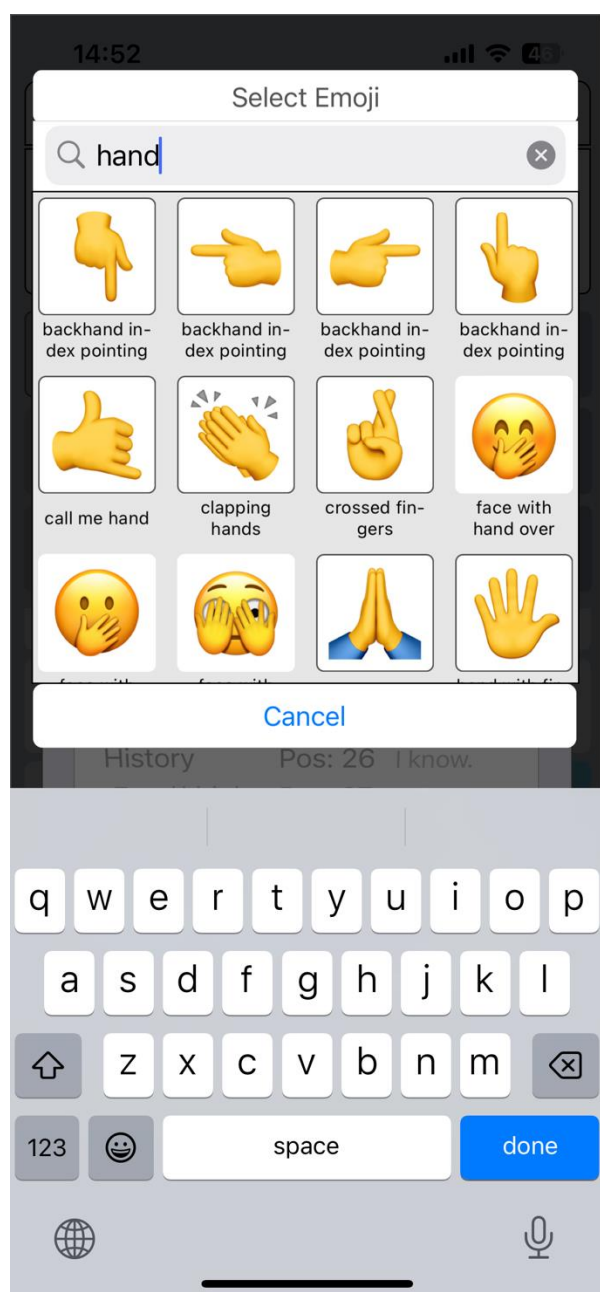




Emoji on the buttons

Using emoji can be useful as they provide a visual representation of emotions, actions and objects. This can help to convey thoughts and feelings more effectively. Emojis are universally recognized and can allow an expressive communication.

With the app, you can search through the set of 1800 emoji and many emoji have the option to select a specific skintone.





9. Edit categories

Edit by long press

Edit Category

Food/drink

Pos: 1 Common

Pos: 2 Food/drink

Pos: 3 Phrases

Pos: 4 Words

Cancel Delete Save

By long pressing on a category button on the main screen, the category can be modified or deleted.

The name of the category, the position and the color of the button can be modified.

When you delete a category, the phrases that belong to that category will also be deleted.

Edit in the settings

Back Categories Save

Common

Food/drink

Phrases

Words

Feelings

Medical

Home

Work

Activities

Family

In the settings you can change the name of all the categories in the list in one go.

By drag and drop on the 3 horizontal lines, the order of the categories can be changed.

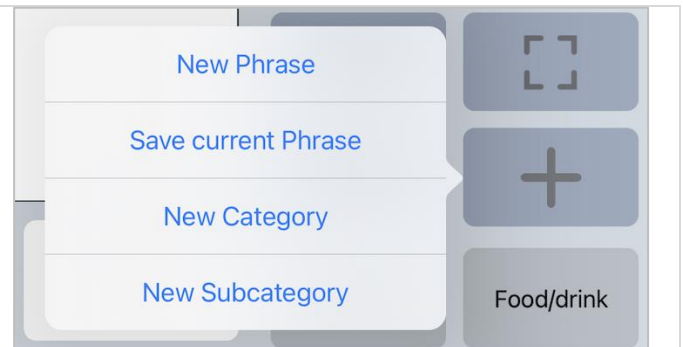


Subcategories

Subcategories can be very useful to better organize your phrases.

The option to create subcategories can be enabled in the Categories/Phrases setting of the app.

You can create a new subcategory in a category with the Add action button.



When you select a category with subcategories, the subcategories appear below the categories. The arrow at the top right indicates that it is a subcategory.

When you select a subcategory, the selected subcategory will have an arrow at the top left indicating that you can press the button again to return to the parent category.

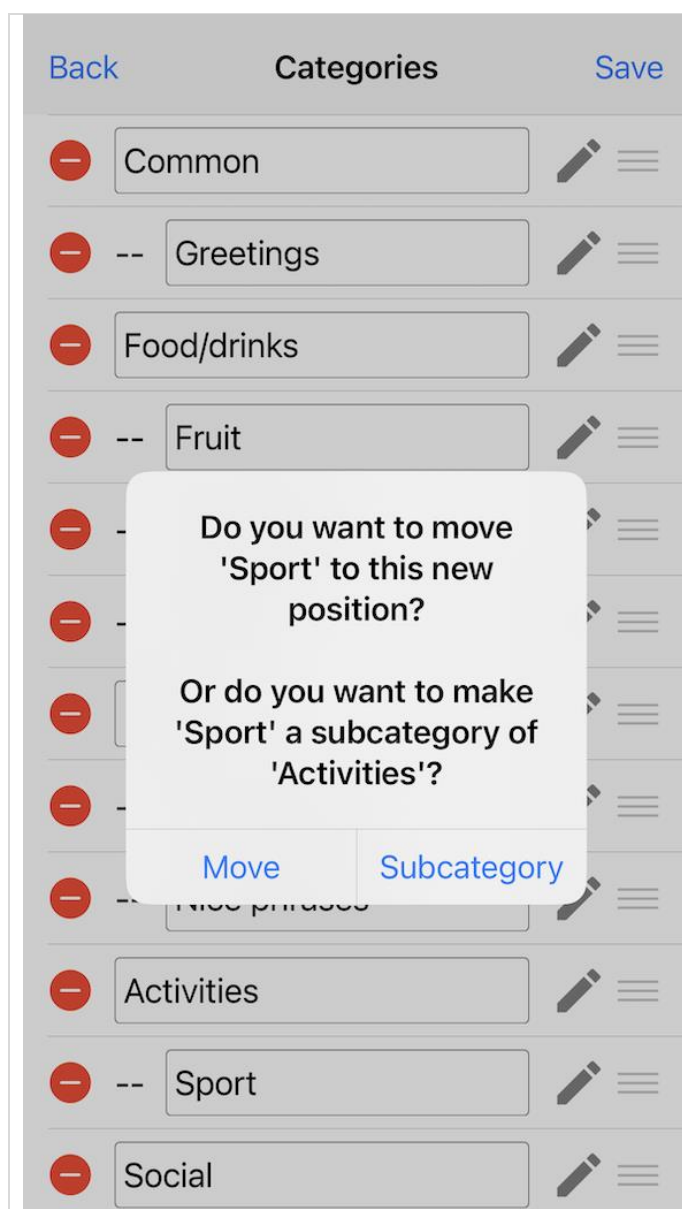




Edit subcategories in the settings

You can edit subcategories and the phrases that belong to the subcategory just like normal categories. This can be done by long press the category on the main screen or in the settings of the app.

In the settings, the subcategories are shown indented below the parent category.



Move to make a subcategory

By drag and drop on the 3 horizontal lines, you can move a category into another category to make it a subcategory.

You can also drag a subcategory out of a category to make it a normal category again.

When it is not clear if you want to make the category a subcategory or just want to change the position of the category, a dialog is shown to ask for confirmation.

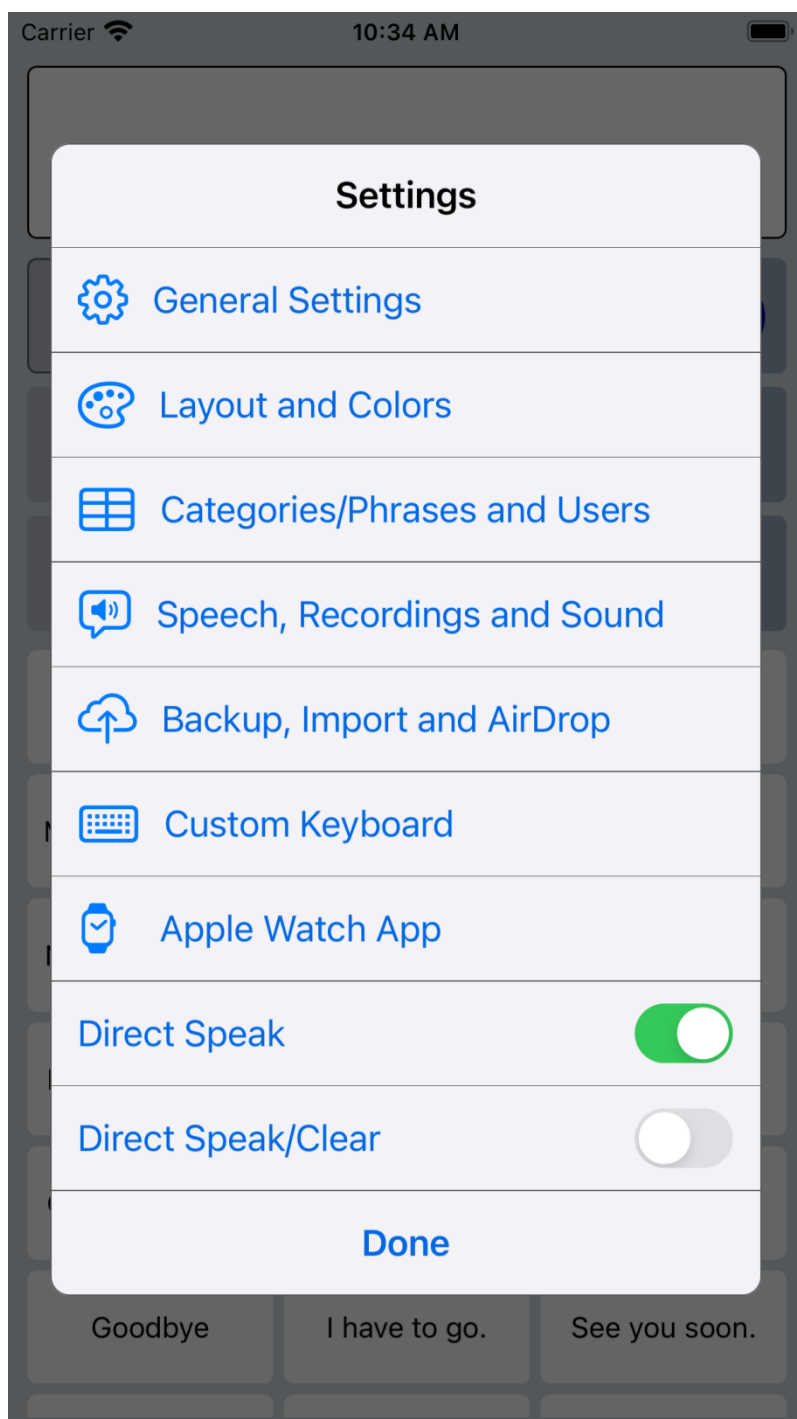
Moving a category that already has subcategories to another category is not possible.



10. Settings menu



With the settings button you can open the settings menu.



The settings menu contains also two quick settings.

Direct Speak:

After tapping on a button with a phrase, the phrase is immediately spoken.

Direct Speak/Clear:

After tapping on a button with a phrase, the phrase is immediately spoken and then cleared.




11. General settings

Overview

Settings for clearing


Undo clear

With this option enabled, clearing the textbox can be undone.




Retrieve cleared phrases

Option to retrieve the last 5 cleared phrases by long pressing the Clear button.




Clear after speak button

With this option the textbox will be cleared automatically after touching the speak button.



Clear after full screen

With this option the textbox will be cleared automatically after returning from full screen.



General settings

Autocomplete


This option searches your phrases based on your typing and shows completion suggestions in a drop-down list.

Tabs for multiple conversations

Select the number of tabs to have multiple text boxes, making it easier to have multiple conversations.


Images in textbox

When a button with a phrase is tapped, the image on the button is also shown in the textbox.



Images on full screen

The images in the textbox are also shown on full screen.



Other settings

Set password

Set a password protection on the access to the settings.

Feedback

Email Feedback or Questions.

Accessibility

Prevent screen auto-lock

Prevent the screen from going automatically into auto-lock sleep mode.



Long press duration

The duration of time required to activate the long press action.

Prevent double touching (buttons)

Set the disable time after touching of the buttons to prevent double touching.

Prevent double touching (keyboard)

Set the disable time of the default iOS onscreen keyboard or a bluetooth keyboard to prevent double touching.

Keyboard

Keyboard shortcuts

Tap to define the shortcuts for a Bluetooth keyboard.

Keyboard function keys

With this option enabled, you can use F1-F12 for the first 12 phrases.



Keyboard navigation

Tap to set up navigation with a bluetooth keyboard.

Prevent double touching

For people with motor skill impairments or shaky hands, it can help to use the 'Prevent double touching' feature. This setting also works for the iOS onscreen keyboard, a bluetooth keyboard or a smart keyboard cover.

In the settings of your iPhone/iPad (Accessibility > Touch > Accommodations) it is also possible to enable 'Ignore Repeat'.

It is not recommended to enable that setting at the same time with 'Prevent double touching'.

Set password

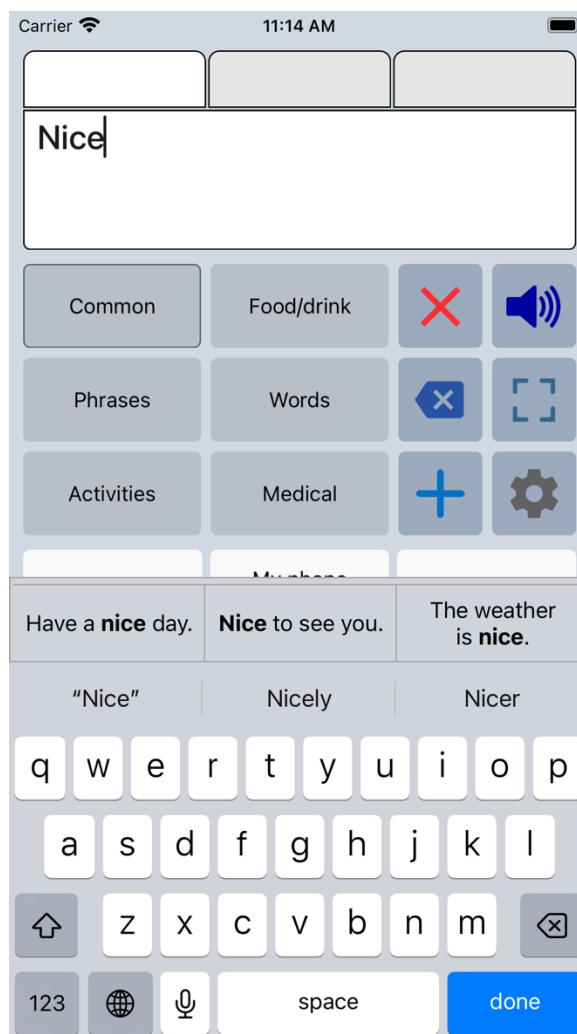
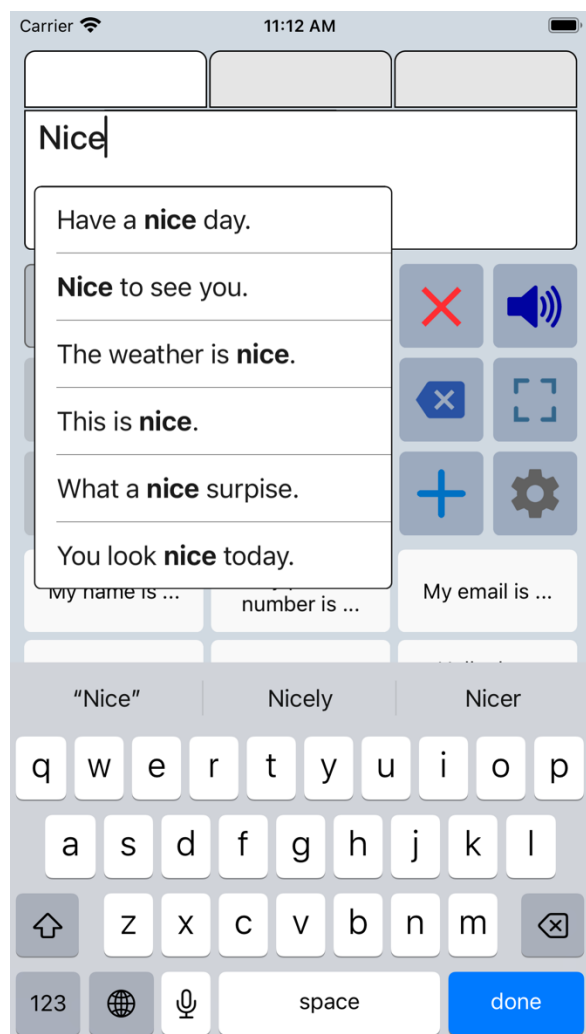
A password can be set to prevent accessing the settings (override code: #settings#).



11. General settings

Autocomplete options

The Autocomplete feature is important because it enhances communication efficiency and speed. The function searches your phrases based on your typing and shows completion suggestions in a drop-down list or in a row on the on-screen keyboard.



Keyboard shortcuts

Back	Shortcuts
Speak: Enter	>
Clear All: Ctrl	>
Attention Sound: Alt s	>
Full screen: Cmd	>
Close full screen: Escape	>

With this feature you can define the shortcuts for a Bluetooth keyboard.

For each function you can choose one of the following keys:

Alt Key, Cmd, Ctrl, Enter, Escape, Alt a, Alt c, Alt s.



12. Layout and Colors settings

Overview

Size settings

Phrase button width

Set the width of the buttons with phrases based on the number of buttons per row.

Phrase button height

Set the height of the buttons with phrases.

Phrase button fontstyle

Tap to change the fontstyle of the phrase buttons.

Category button size

Tap to change the size of the category buttons.

Action button height

Set the height of the action buttons.

Action buttons space

Set the space for the buttons to make more buttons visible.

Textbox font

Tap to change the font of the textbox

Textbox size: 100.00



Textsize

Phrase button textsize: 14.50



Category textsize: 14.50



Textbox textsize: 24.00



Fullscreen textsize: 60.00



Colors

Color scheme

Tap to select the color scheme.

Personal color scheme

Tap to create a personal color scheme.

Background color of symbols

Select the background color of the symbols for better visibility.

Dark keyboard

On the Main screen the keyboard gets a dark appearance (works only for the default Apple keyboard).



Action Buttons

Main screen action buttons

Customize the action buttons on the main screen (like speak, clear etc).

Full screen action buttons

Customize the action buttons on the full screen (like attention sound, speak etc).

Action buttons placement

Place the action buttons on the left side of the screen.



Other settings

Extra rotated textbox

The rotate button shows an extra textbox with the text rotated, to show your message to the person opposite of you.



Textbox at bottom

This option places the textbox at the bottom of the screen. This can be useful when writing with an Apple Pencil.

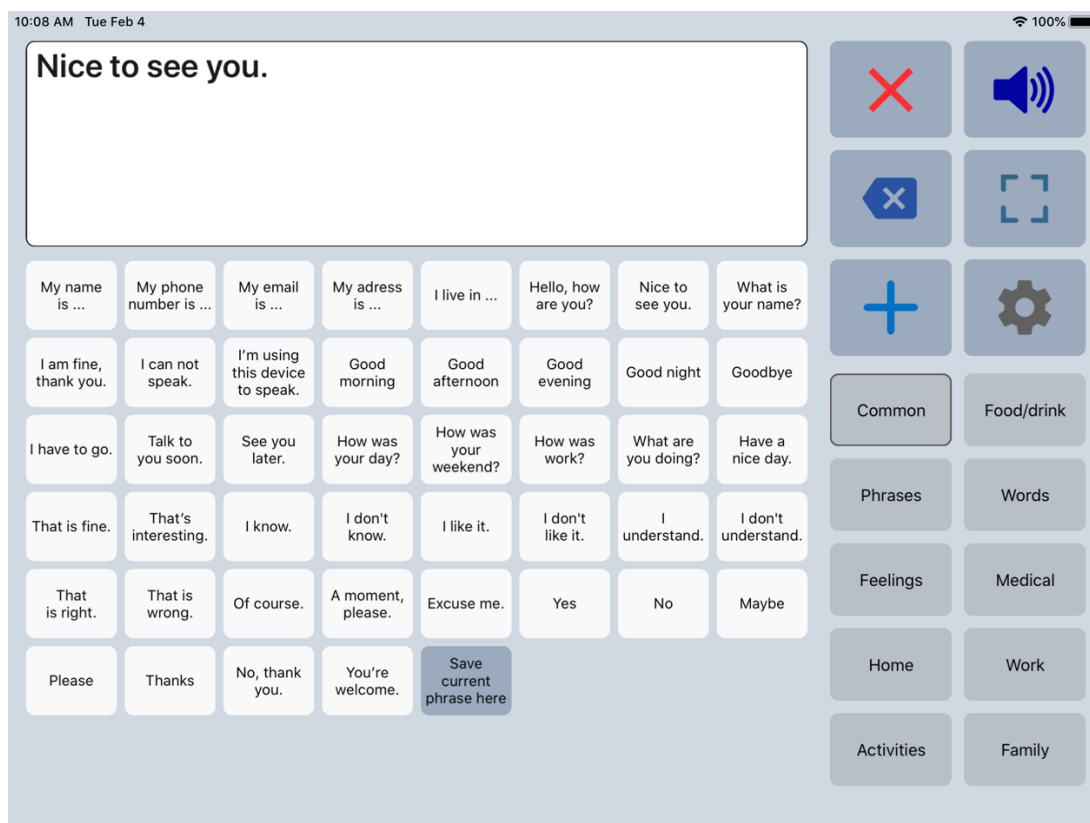




12. Layout and Colors settings

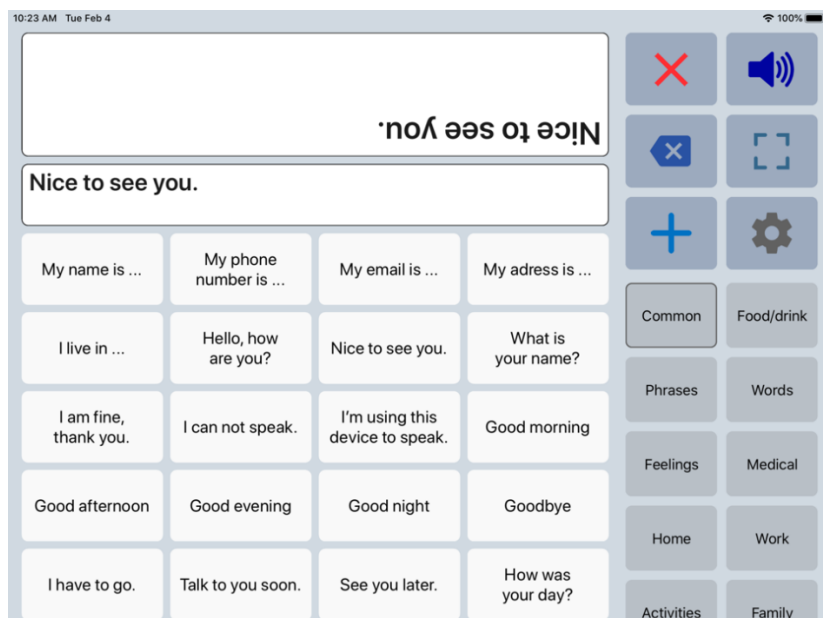
Size options

The size of the buttons, the textsize and the size of the textbox can be adjusted. For instance, on an iPad you can have up to 8 phrase buttons per row.



Extra rotated textbox

With the action button to flip the text in the textbox, you can show your message to the person opposite of you. It is possible to enable an extra rotated textbox, so both can easily read the text.












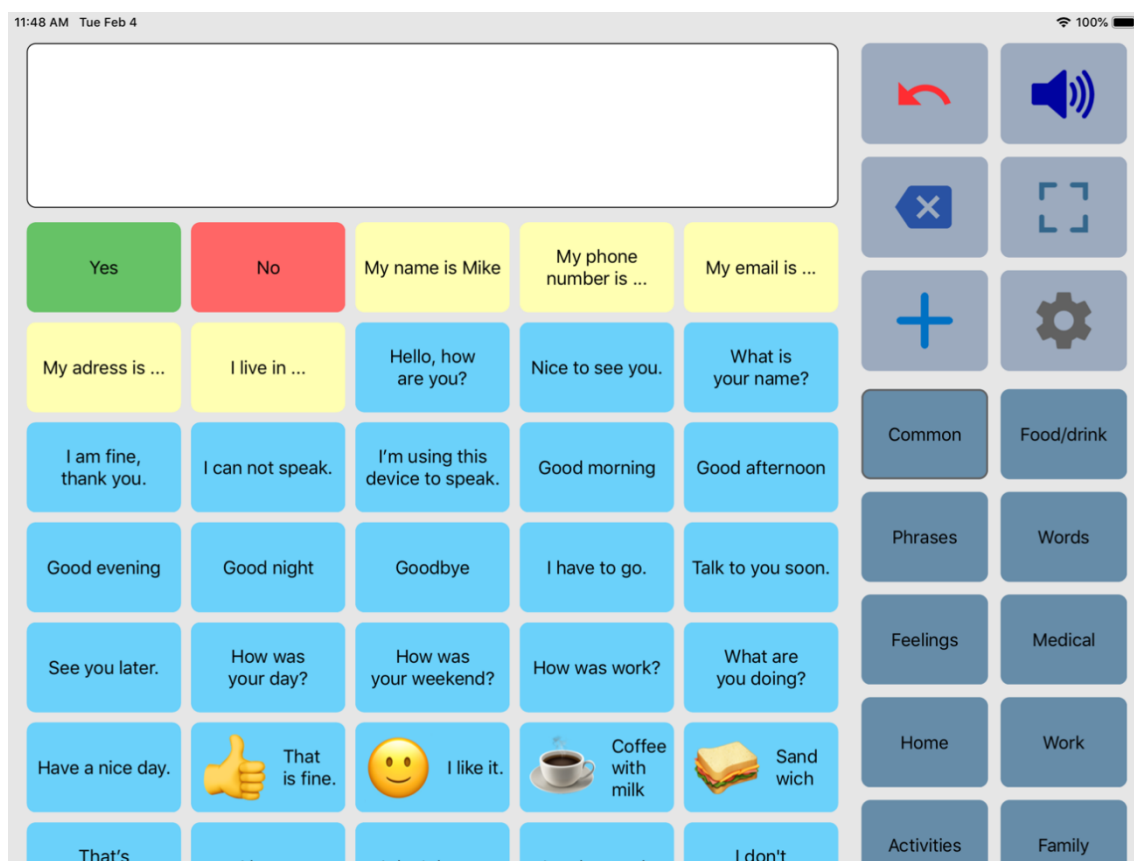
12. Layout and Colors settings

Colors

The colors of the buttons, texts, textbox and background can be adjusted to your personal preferences. You can choose a color scheme or create a personal color scheme.

Back	Revert
	Category buttons color
	Phrase buttons color
	Action buttons color
	Textcolor buttons
	Textcolor textbox
	Color textbox
	Background color

With the color scheme you can for instance change the color of the phrase buttons. All the phrase buttons will get the selected color. But with the 'Edit phrase' screen you can also give individual buttons different colors. For instance, in the screenshot below the Yes/No buttons and the five yellow buttons.



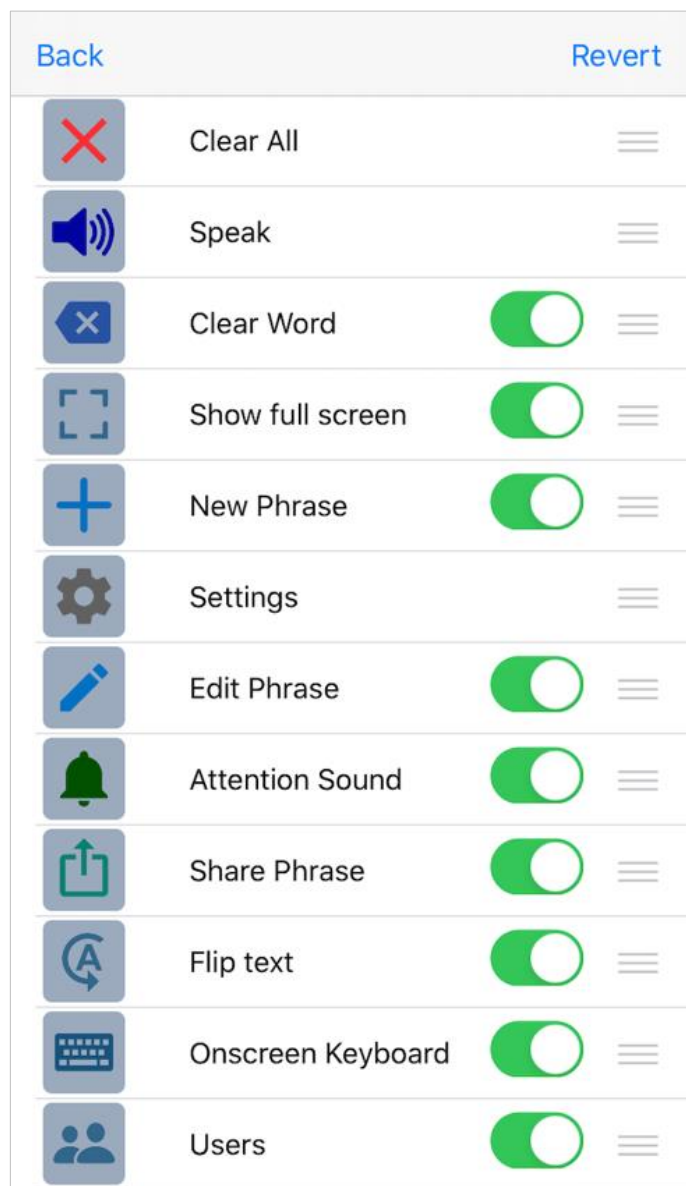


12. Layout and Colors settings

Main screen action buttons

The action buttons can be modified:

- The color of the icons on the buttons can be changed by tapping on the button.
- With the switch you can show or hide the button.
- By drag and drop on the 3 horizontal lines, the order of the buttons can be changed.

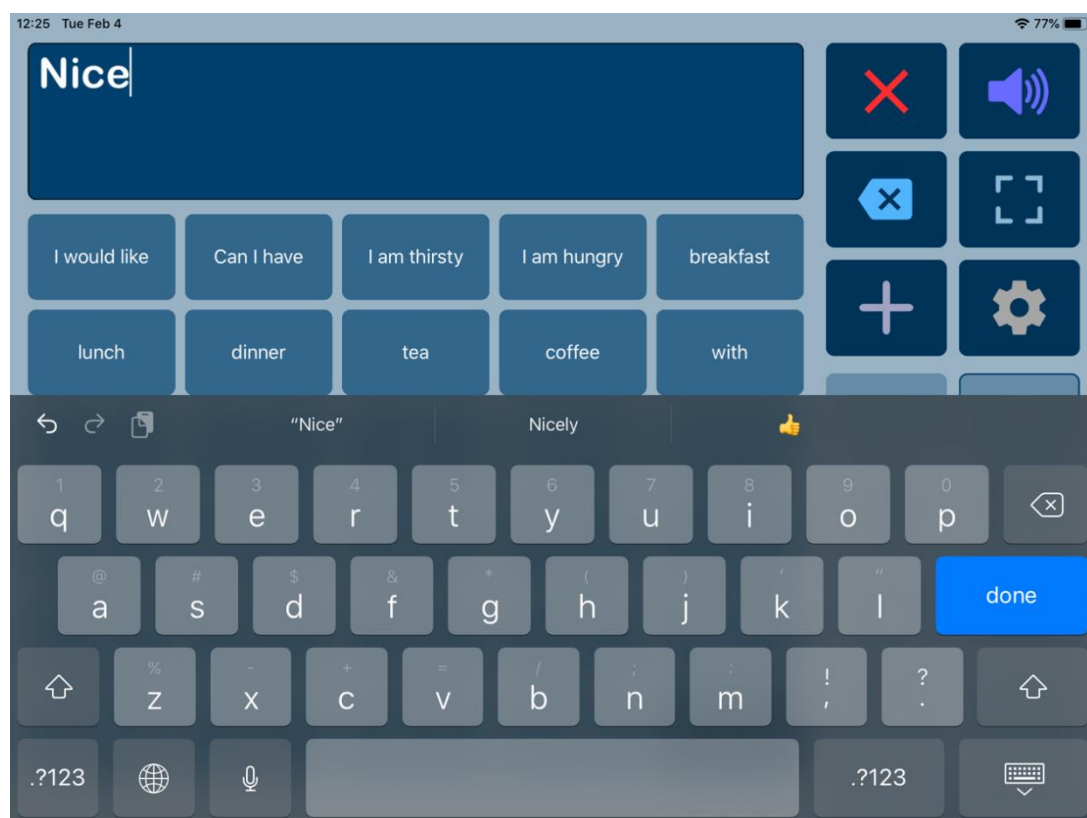
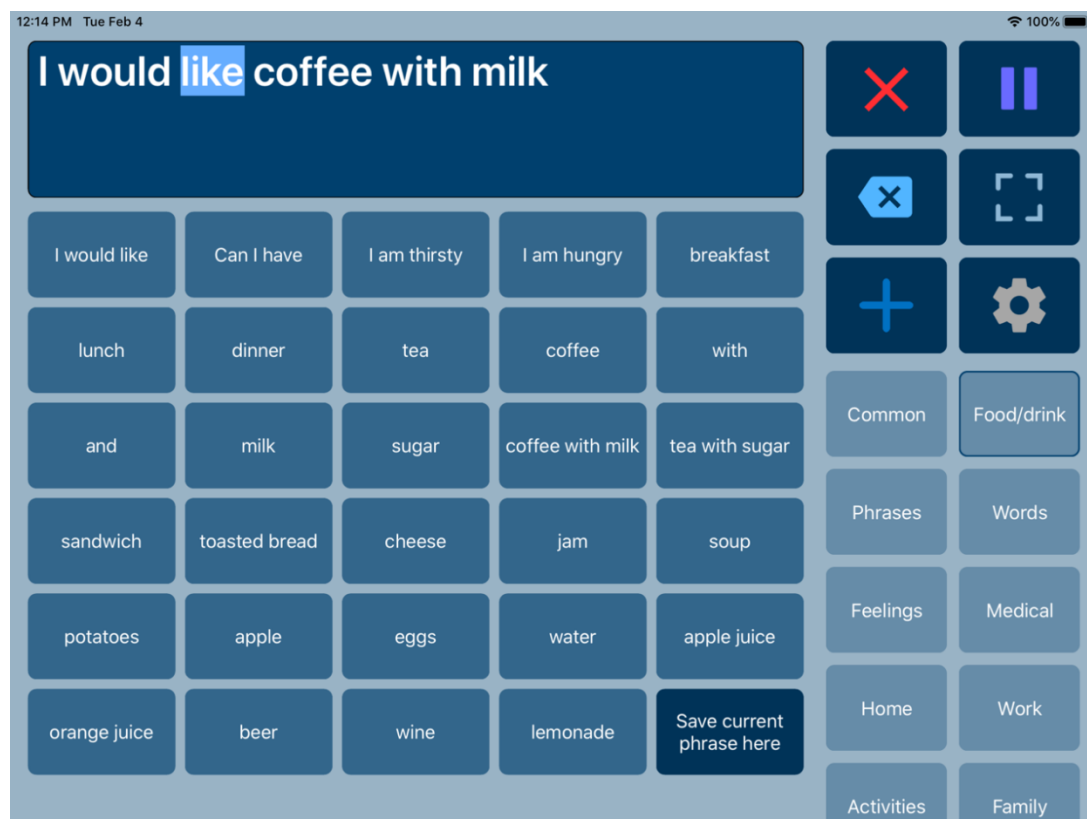




12. Layout and Colors settings

Examples

This is an example of the app with another color scheme, with the highlight feature enabled and with the dark keyboard enabled.





13. Categories/Phrases and Users

Overview

In this section of the settings you can edit the categories, phrases and user profiles. More detailed information about editing can be found in the chapters about editing.

[Back](#)

Categories and Phrases

Edit

Categories

Tap to edit the categories or to edit the phrases of a category.

User profiles

Create users with their own categories, phrases and voice. And select another user for another language, person or situation.

Subcategories

Enable subcategories

You can create subcategories with the add button on the main screen. When you edit categories in the settings, you can move categories into other categories to make them subcategories.

☒

Show all subcategories

When a subcategory is selected, the other subcategory buttons also remain visible so that you can easily select another one.

☒

Settings

Sort alphabetically

With this option the phrases will be shown alphabetically.

☐

Long press categories

With this option you can long press the buttons with categories to edit.

☒

Long press phrases

Select the action for long pressing the buttons with phrases.

Save current phrase

Enable the button to save the current phrase.

☒

History

History Speak

The phrases will be automatically saved in the history category after tapping the Speak button.

☒

History Full screen

The phrases will be automatically saved in the history category after tapping the full screen button.

☐

Clear history

Clear the phrases in the history category.

Abbreviations

Abbreviation expansion

Create abbreviations and the expansions that will replace the abbreviations during typing.

Enable Abbreviations

The abbreviations will be replaced after typing a space or after pressing the speak button.

☒

History

History for quick access to previously typed phrases.

When you enable history, the phrases will be automatically saved in the history category after tapping the Speak button (or after tapping the full screen button).

After enabling history, a new category named History will be created automatically.



13. Categories/Phrases and Users

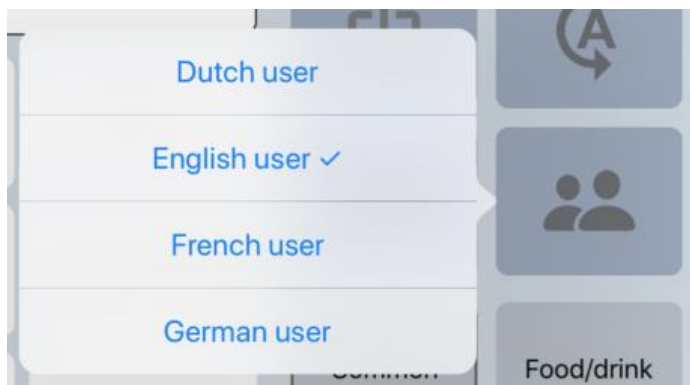
User profiles

Back	User profiles	Edit	+
	Dutch user		
	English user		✓
	French user		
	German user		

You can create user profiles with their own set of categories and phrases.

The settings (like layout, color scheme, selected voice and general settings) are also saved in the user profile.

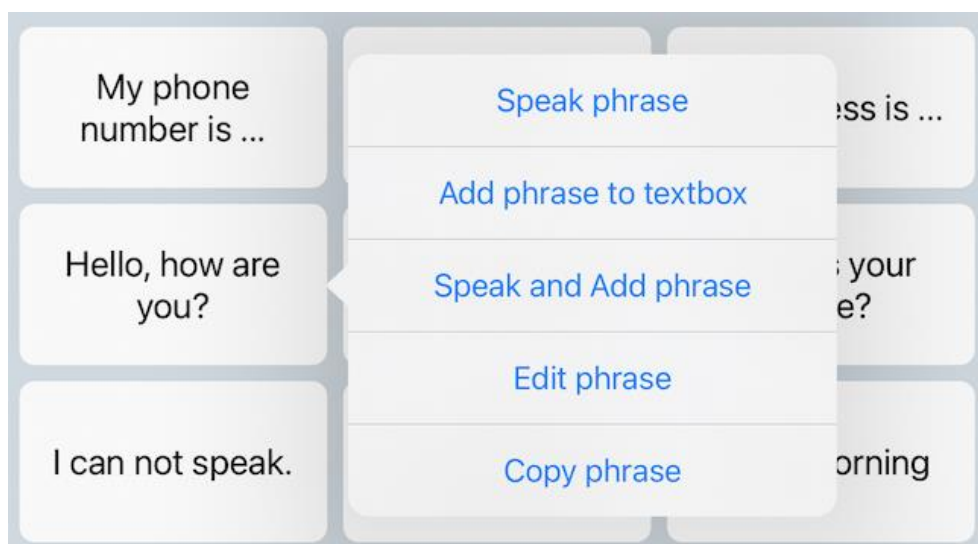
The user profiles can be used for multilingual support and for different persons or situations.



On the main screen, you can switch quickly between users with the action button Users.

Long press options

With long press it is possible to edit the categories and phrases directly from the main screen. In the 'Categories and Phrases' settings, you can also enable a menu with multiple options which will be shown when you long press a button with a phrase.





14. Speech, Recordings and Sound settings

Overview

Speech settings

Select voice

Tap to select a speech voice and a speech language.

Pronunciations

Tap to define pronunciation corrections.

Pause between sentences

With this option you can set the pause between the sentences.

Pause between words

With this option there will be a longer pause between the spoken words.



Pause tags

With this feature enabled, you can type p1 to p5 anywhere in the text for a 1 to 5 second pause.



Speak button long press

Option to long press on the speak button to switch between the 4 most recent selected voices.



Speak button options

Select the working of the Speak button (Speak only or also Stop/Pause).

Sound settings

Speech Rate: 0.50 (Default: 0.50)



Speech Pitch: 1.00 (Default: 1.00)



Attention sound

Tap to select an attention sound.

Speech output

Mix speech into phone calls

The synthesized speech will be mixed into your phone calls and will be audible for the receiver (not on your device).



Always use built-in speakers

The app will always use the built-in speakers of the iPhone/iPad, also when headphones are connected.



Recordings

Audio format of recordings

Select the audio format (m4a or wav) used for making voice recordings.

Manage recordings

Shows the list of the recordings with the options to delete recordings or connect recordings to phrases through their name.

Speak automatically

Speak characters

The characters are spoken while typing.



Speak word

The word is spoken after typing a space or after a swiped word or written word with an Apple Pencil.



Speak sentence

The sentence is spoken after typing a punctuation.



Other settings

Highlight words Main screen

The spoken words will be highlighted on Main screen.



Highlight words Full screen

The spoken words will be highlighted on Full screen.





14. Speech, Recordings and Sound settings

Voices

The app uses the high-quality iOS voices, there are 90 voices for 27 languages available. The voice can be selected in the app, the rate and pitch of the selected voice can be adjusted.

The voices can be selected after they have been downloaded in the settings of your device: Settings > Accessibility > Spoken Content > Voices.

In the speech settings of the app, the list shows the voices in the language of your device. To show the other voices you can tap on 'Other languages'.

Back	Voices	Other languages
Personal Voices		
Ton's Personal Voice 1		
Ton's Personal Voice 2		
English (United States)		
Aaron		✓
Alex (download)		
Allison		
Allison (Enhanced)		
Ava		
Ava (Enhanced)		
Ava (Premium)		
Evan		
Evan (Enhanced)		
Joelle (Enhanced)		
Nathan		

Apple's Personal Voice

With Personal Voice, you can create a synthesized voice that sounds like your own voice.

- Personal Voice is available in iOS17 in the Accessibility settings of your iOS device.
- You can create a Personal Voice by reading a set of text prompts to record 15 minutes of audio on an iPhone or iPad.
- The synthesized voice is stored locally on your device and can be shared to other iOS devices.
- Speech Assistant supports Personal Voice and you can select a personal voice in the speech settings of the app (the setting 'Allow Apps to Request to Use' needs to be enabled in the Personal Voice settings of your device).

Other custom voices

Since iOS 17 it is also possible to download other custom voices as a system voice. In that way custom voices, such as Acapela my-own-voice can be selected in the app.



Phone calls and FaceTime

The app can also be used while making Phone, FaceTime and Skype calls (with iOS 13 on your iPhone or iPad). This means you don't need a second device anymore for the speech output.

You can type text (or use the buttons with phrases) and the other person on the phone can hear the synthesized speech.

The speech output will be audible to the other person on the phone and also to your iPhone (when it is on speaker).

It works with the iOS voices, but not with recordings. When a recording is played during a phone call, the selected iOS voice is used.

FaceTime

The app can be used during a FaceTime call with both apps in 'Splitview'.

This link shows how Splitview can be enabled: <https://support.apple.com/en-us/HT207582>.

The disadvantage is that in Splitview the FaceTime video is paused.

A better option is using 'Picture in Picture'. Start the FaceTime call in full screen and then press the home button, then the FaceTime video screen scales down to a corner of your display.

You can then start Speech Assistant.

Move video window: Drag it to a different corner of the screen.

Resize the video window: To make the small video window larger, pinch open. To shrink it again, pinch closed.

More information: <https://support.apple.com/guide/ipad/multitask-with-picture-in-picture-ipad7858c392/ipados>

This 'Picture in Picture' feature has to be enabled in the general settings of your iPad.

You can use 'Picture in Picture' with iPad Pro, iPad (5th generation and later), iPad Air 2 and later, or iPad mini 4 and later.



15. Backup, Import and AirDrop

It is a good idea to make a backup to iCloud regularly.

Backup and Restore can also be a convenient method (next to AirDrop) to transfer your categories and phrases to another device.

[Back](#)

Backup and Import

Categories and Phrases

Backup

Tap to backup the Categories and Phrases to iCloud, Mail or Airdrop.

Restore

Tap to restore a backup of Categories and Phrases from iCloud or another folder.

Import phrases

Tap to import words or phrases from a text file into a category.

Complete

Make complete backup

Tap to select a folder for creating a complete backup (categories, phrases, images and recordings) into a zip file

Restore complete backup

Tap to select the zip file with the complete backup to restore.

Recordings

Export recordings into zip file

Tap to select the folder for exporting the voice recordings into a zip file.

Import recordings from zip file

Tap to select the zip file with the voice recordings (m4a, aac, mp3 or wav files).

Import recordings from folder

Tap to select the folder for importing voice recordings (m4a, aac, mp3 or wav files).

AirDrop options

AirDrop complete backup

Send a complete backup (categories and phrases, recordings and photos) to another device with AirDrop.

AirDrop categories and phrases

Send the categories and phrases to another device with AirDrop.

AirDrop recordings

Send the recordings to another device with AirDrop.


AirDrop settings

Send the settings (like layout settings, color scheme, action buttons and general settings) to another device with AirDrop.

Auto Backup

Enable Auto Backup

With this option enabled, the app creates weekly an auto backup of the categories and phrases of the current user profile.



Auto Backup Restore

Tap to show a list of the auto backups that are stored in an internal folder within the app. You can tap on an auto backup in the list to restore.

The auto backups are stored in an internal folder within the app and will be removed when the app is uninstalled.


If you want to transfer your content to for example a new device, you can not use an auto backup, but need to make a complete backup to iCloud or you can also AirDrop your content to the new device.




The first option in the settings menu for backing up your Categories and Phrases shows a menu where you can choose to backup to iCloud, Mail, AirDrop or to share the backup to for example Google Drive or Dropbox.

Backup Categories and Phrases


Name:




Backup your categories and phrases to iCloud. You can then also restore them on another device.



Mail the backup if you want to send your categories and phrases to another person.



With AirDrop you can send your categories and phrases to another device nearby.



Share the backup to 'Google Drive' or 'Save to Dropbox' (if installed on your device).

Cancel

Name backup

If you tap on the name of the backup, you can change the name.

Backup to iCloud

Backup to iCloud to save your categories and phrases to your iCloud. The backup is saved in the folder SpeechAssistantBackup. In the settings of your device iCloud drive has to be enabled.

Backup to Mail

Backup to Mail can be useful if you want to send a backup to another person. The mail also contains instructions how to restore the backup.

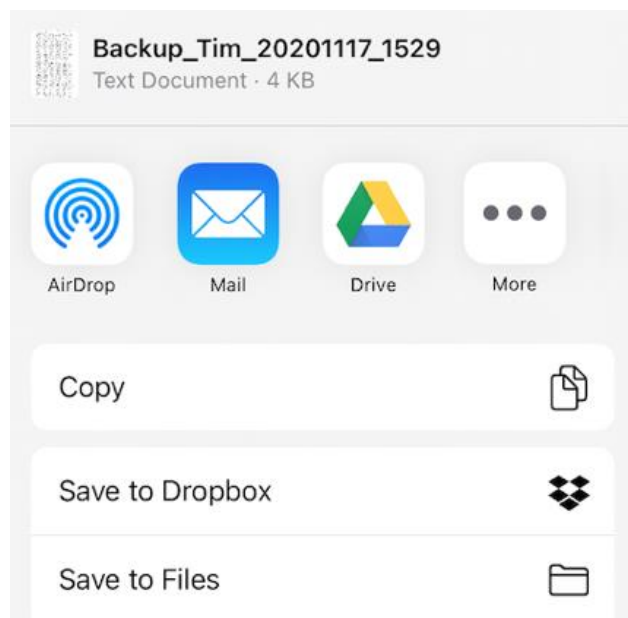
AirDrop

With AirDrop you can send a complete backup (categories, phrases, recordings and images) to another device or person. If the receiving device is not visible on the AirDrop screen, you can go to the settings of the receiving device (General > AirDrop) to check if AirDrop receiving is allowed.



Share the backup

You can share the backup to 'Google Drive' or 'Save to Dropbox', when these apps are installed on your device. This can be useful if you want to send your categories and phrases to an Android device.

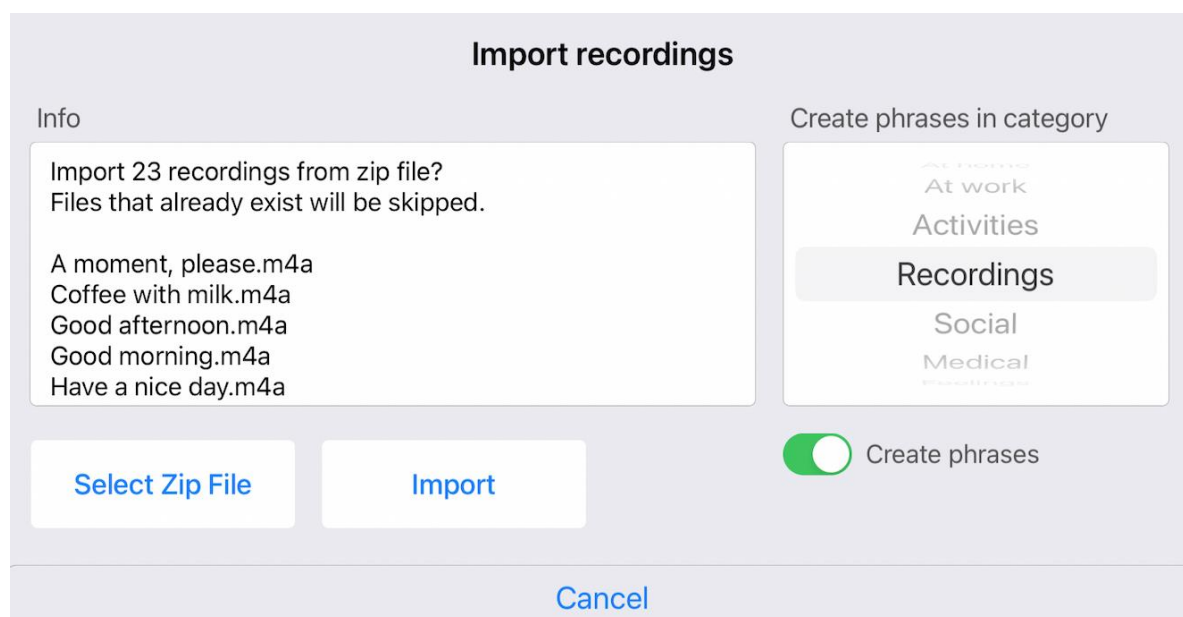


Import Recordings

With 'Import recordings' it is possible to import previously made voice recordings.

The app supports the following audio-formats: m4a, aac, mp3, wav.

You can select a zip file on your device or on iCloud with the voice recordings. It is also possible to select a local folder on your iPhone/iPad or an iCloud folder that contains voice recordings.



When you enable 'Create phrases', a phrase button will be created in the selected category for each imported recording.

Otherwise it is also possible to edit the phrase buttons by longpressing the button and select the corresponding recording.



Export Recordings into zip file

With this function, you can select a folder on your device or on iCloud where the zip file with the voice recordings will be created.

Import Phrases

With this function it is possible to import phrases or words from a text file into a category.

The phrases or words in the text file needs to be separated by a delimiter. The used delimiter can be a comma, semicolon or return (new line). The used delimiter will be determined automatically after selecting the file.

After selecting a file, the content of the file and the phrases that can be imported will be show on the screen.

The imported phrases will be added at the end after the last phrase in the selected category.

Import Phrases

File Content

File: File-with-Phrases.txt
Number of phrases: 28

I'm going to see a friend.
I'm going to play tennis.
Would you like to go to the movie?
Shall we watch a series?
I'm reading a book.

Select File

Import into category

At home
At work
Activities
Recordings
Social

Import

Cancel



16. Custom Keyboard

The Custom Keyboard can replace the default iOS keyboard on the Main screen of the app.

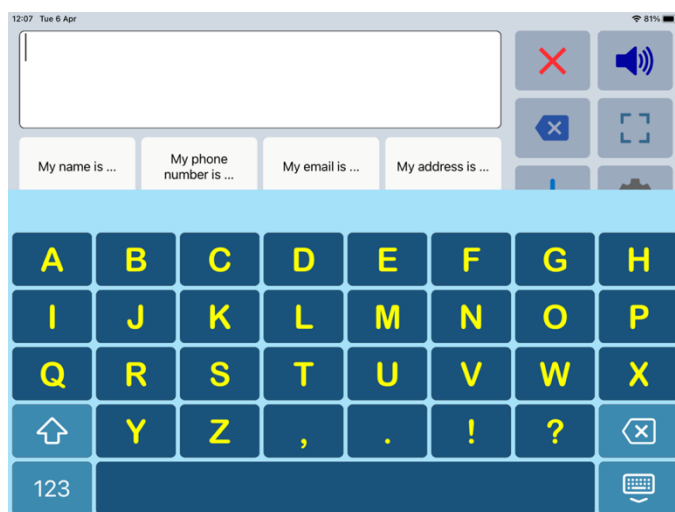
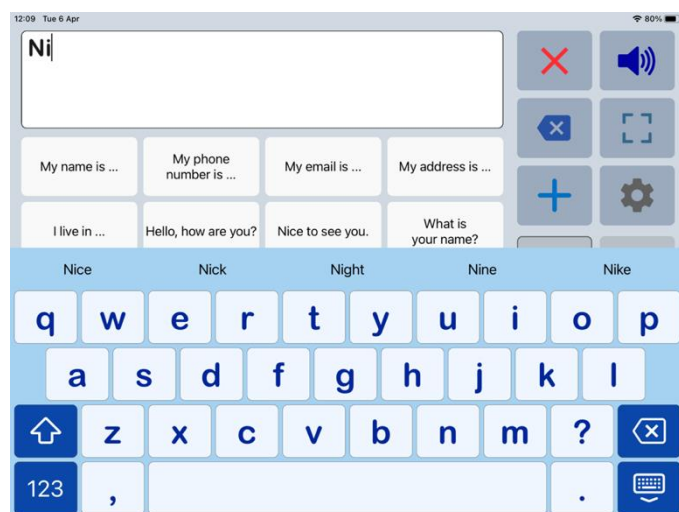
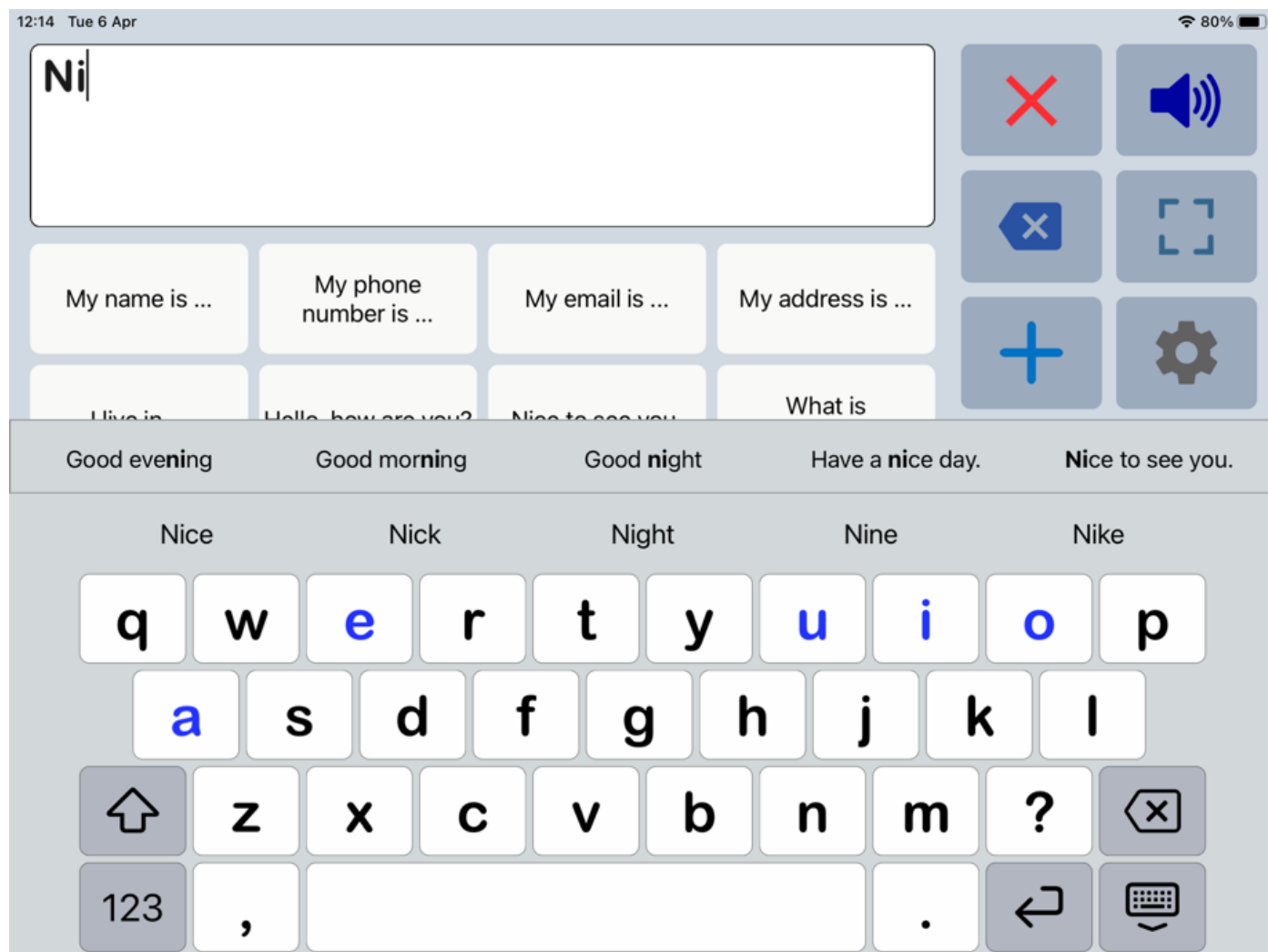
With the custom keyboard you can define which characters are placed on the keys or choose a default layout, like for example QWERTY or ABC layout. The colors of the different groups of keys can be customized and the size of keyboard can be changed.

The Custom Keyboard also has features to prevent double touching of the keys and the repeat time of the backspace key can be set.

Keyboard layout	Corrections
Custom Keyboard This options enables the custom keyboard which will replace the default keyboard on the main screen. <input type="checkbox"/>	Auto Capitalisation With this option each sentence will start automatically with a capital letter. <input checked="" type="checkbox"/>
Characters on keys Define the characters on the keys or choose between QWERTY, AZERTY and ABC layout.	Word completions With this option a bar with completions will be shown above the keyboard. <input checked="" type="checkbox"/>
Special characters on keys Define the special characters on the keys.	Auto Correction With this option a misspelled word will be automatically corrected. <input checked="" type="checkbox"/>
Number of rows and keys The number of rows and keys of the keyboard. Selecting more rows increases the height of the keyboard.	Language Select the language for Auto Correction and Word completions.
Return key Enable the return key on the keyboard. <input type="checkbox"/>	Accessibility
Colors and Font	Prevent double touching Set the disable time for the keys to prevent double touching.
Color scheme Tap to select the color scheme.	Backspace repeat Set the repeat time for the backspace when you long press the this key.
Personal color scheme Tap to create a personal color scheme.	Size settings
Larger font size Select this option for a larger font size on the keys. <input type="checkbox"/>	Keyboard width With this option the keyboard can be made less wide in landscape mode.
Font style Tap to change the font style on the keys.	Keyboard height With this option the keyboard can be made less high in landscape mode.



Custom Keyboard examples

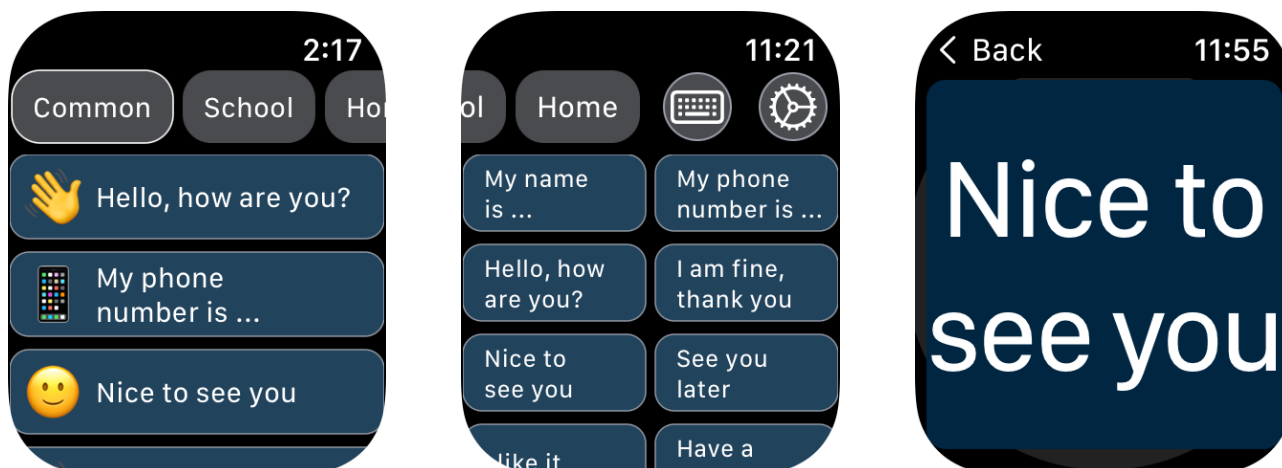




17. Apple Watch App

The app also supports the Apple Watch. The Watch app can especially be useful for communicating short messages. On the go, you don't have to pick up your phone and can quickly communicate with the app on your wrist.

The upper horizontal row contains the categories, you can scroll to the right over the categories to see all the categories. Next to the last category there are 2 buttons, a button to open the screen where you can type a message and a settings button to select the preferred voice.



Full Screen

You can tap on a button to show the phrase full screen with the fontsize as large as possible. When you turn your wrist in full screen, the text rotates so you can show your message to someone else.

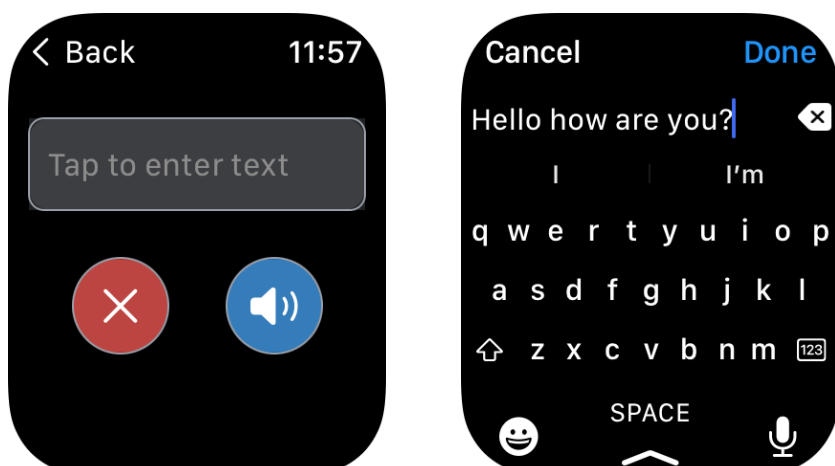
Speech

When you tap on a phrase in full screen the phrase will be spoken. In the settings on your iPhone you can change the tap action so the phrase will be spoken when you tap on a phrase in the list. The volume of the speech on the Watch is loud enough for a conversation with someone in a quiet room. It is possible to connect a bluetooth speaker to the Watch for more volume.

Keyboard

The Apple Watch Series 7 (and newer) and the Apple Watch Ultra have a keyboard button to type a message. The keyboard is small for typing but swiping works well.

If the keyboard is not visible, you can swipe up from the bottom to select the keyboard as input.



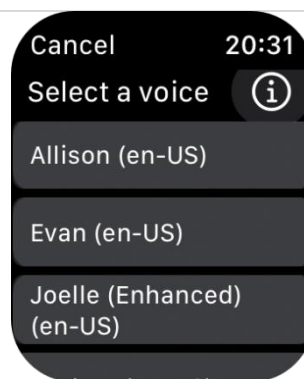


Select a voice on your Watch

When you tap on the settings button in the Apple Watch app, you can select the voice you want to use.

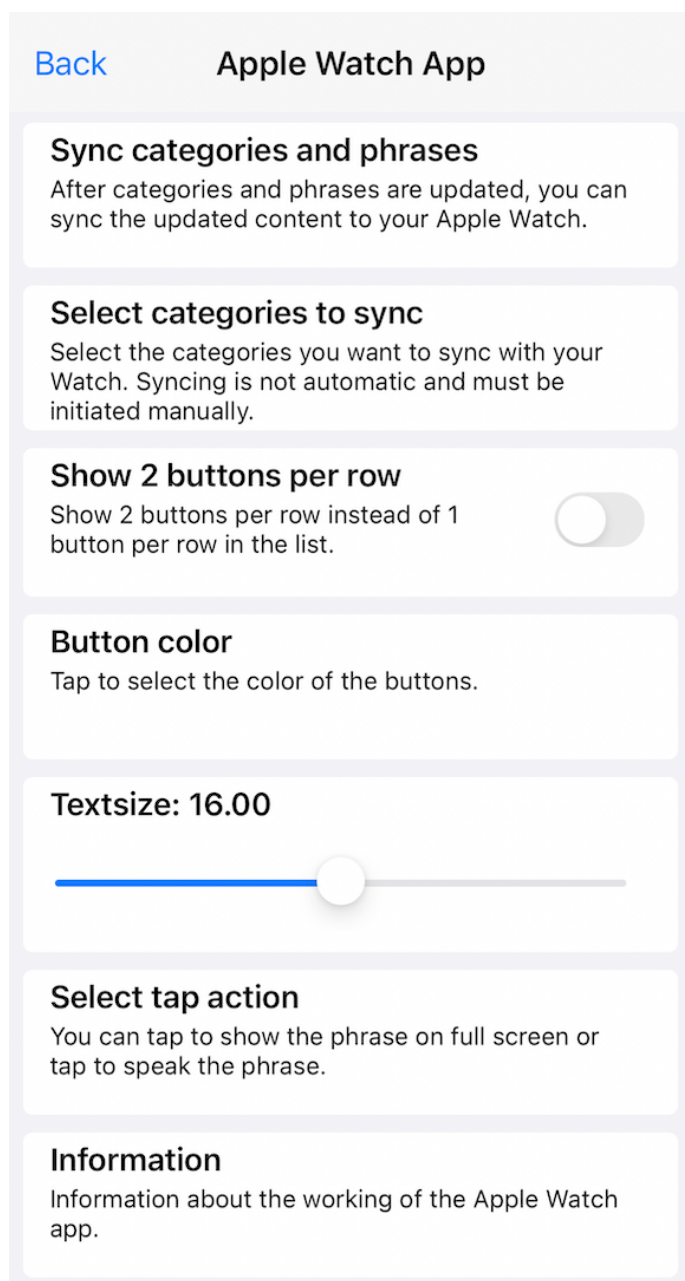
Download voices

Additional voices can be downloaded in the settings of your Apple Watch: Settings > Accessibility > VoiceOver > Speech > Voice.



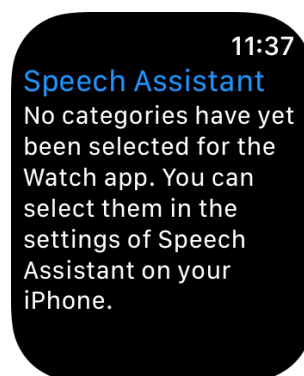
Settings in Speech Assistant on iPhone

In the settings of your iPhone you can customize the layout of the Watch app and sync the categories and phrases.



Syncing

The first time you start the Watch app, the app displays a message that the categories needs to be synced.



You can select the categories that will be synced to the Watch. Syncing is not automatic and must be initiated manually.

You can sync categories that you already use on your iPhone, but you can also create separate categories with phrases especially for the Watch and select them for syncing.

Because of the small screen of the Watch, a maximum of 8 categories and 40 phrases per category will be synced.

Emoji and symbols will also be synced to the Watch, but photos and recordings will not be synced.

Wake duration

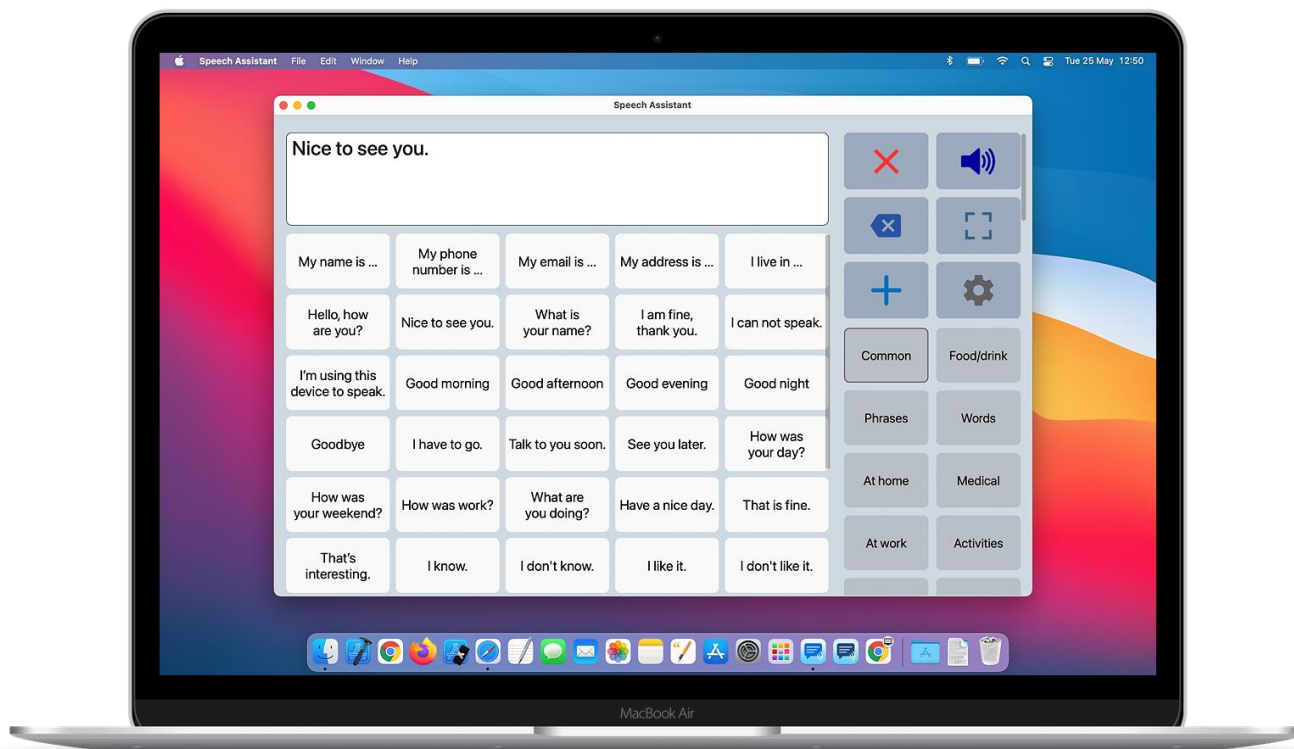
In the Watch App on your iPhone you can change the wake duration to 70 seconds: Display & Brightness > Wake Duration > Wake for 70 seconds.

This keeps the screen on longer and can make interacting with the app easier.



18. Install on a Mac

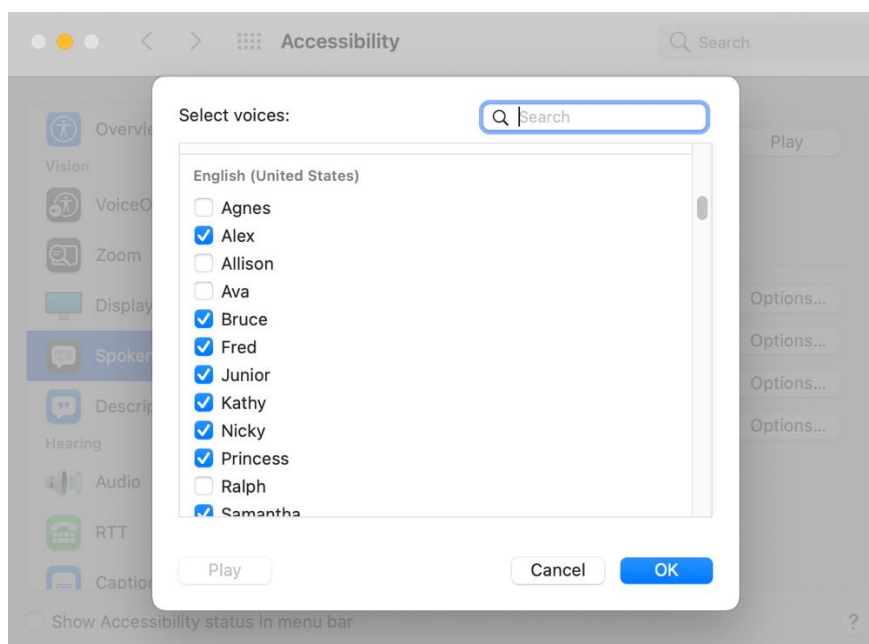
The app can also be installed on MacBooks and Macs with Apple Silicon (M1 chip or newer). You can search for the app in the Mac App Store (tab iPhone & iPad Apps).



The app works the same way as on an iPhone or iPad, but can be resized to any size, from fullscreen to very small.

Voices on a Mac

The voices can be downloaded in the settings of your Mac: System Settings > Accessibility > Spoken Content > System voice (tap on the selection icon) > Manage Voices. After downloading voices, the app has to be restarted before they can be selected in the app.





Onscreen keyboard

If you prefer to type with an onscreen keyboard on your Mac, you can enable the Apple Accessibility Keyboard:

<https://support.apple.com/guide/mac-help/use-the-accessibility-keyboard-mchlc74c1c9f/mac>

AirDrop to a Mac

On a Mac it is also possible to backup and restore from iCloud like on an iPhone or iPad, but if the devices are nearby then AirDrop is also a convenient way to transfer your categories and phrases to another device.

When you send a complete backup with AirDrop from (for example) an iPad to iPhone, the app will automatically open on the receiving device to restore the backup.

But when you send it to a Mac, the backup will be placed in the download folder on your Mac. You can restore this backup by selecting the file (backupcomplete.zip) with the restore function of the app.

19. Tips

Apple Pencil

With an Apple Pencil you can write in the textbox and your handwriting will be automatically converted into typed text.

There are two settings of the app that can make using the Apple Pencil more convenient.

- In the speech settings you can enable the option 'Speak word'. With this option, the app detects when a word is written with the pencil and speaks the word.
- In the layout settings you can enable the option to place the textbox at the bottom of the screen. This prevents touching the buttons that are normally placed below the textbox.

The Apple Pencil is only supported on an iPad. There are two different versions of the Apple Pencil that only work with specific iPads. The handwriting conversion is called Scribble and must be enabled in the Apple Pencil settings of your iPad.

Head Tracking

Since iOS 17.2 head tracking is natively supported in iOS and iPadOS.

With head tracking, you can move your head to control a cursor on the screen. You can also assign actions to facial expressions, such as a smile or raised eyebrows.

To set up head tracking, follow these steps:

- Go to Settings of your iPhone/iPad > Accessibility > Switch Control.
- Then go to Switch Control Mode and select Head Tracking.
- Then go to Head Tracking select an action, for example raised eyebrows, and then select Tap.
- Then go to Tracking Mode and select for example 'With Face' on an iPhone and 'When Facing Screen Edges' on an iPad.
- You can also adjust the pointer speed.



App download

App Store: apps.apple.com/app/speech-assistant-aac/id1139762358

Privacy

The app does not collect any data and does not require an internet connection to function. Only during the backup, restore and import functions an internet connection is needed.

User Manual

Version: 5.5 (app version)

Date: 01-03-2024

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