



# Predictable Windows

user guide

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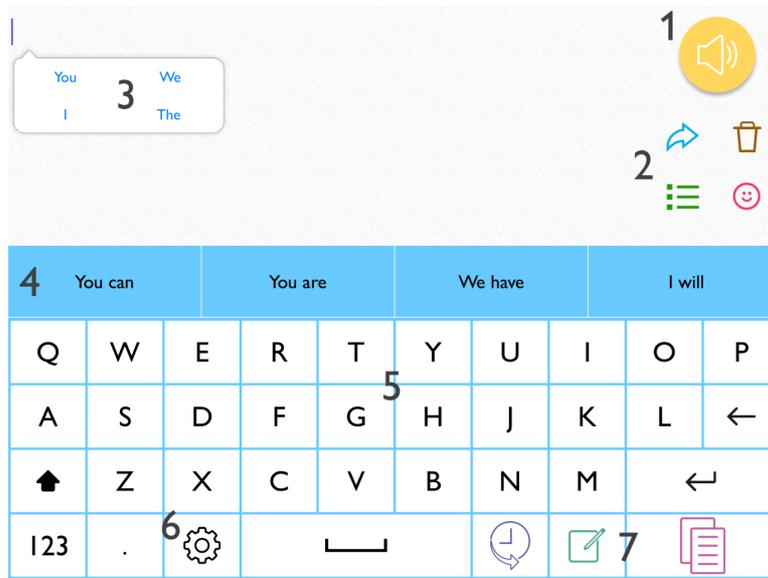
## 1. Introduction

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Welcome to Predictable Windows. We have brought the great features of Predictable onto Windows 10 or above platforms. This app also includes eye Tracking to allow access hands-free.

## 2. Navigating the App

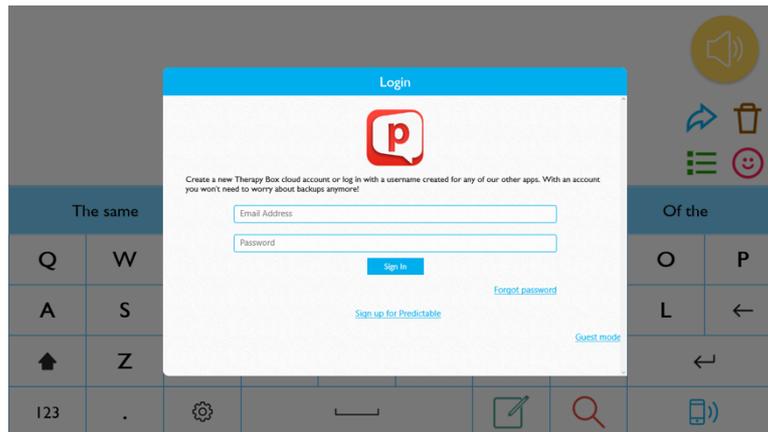
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1. Speak button – Speaks out any text in the message window
2. Quick Keys – Use key, Delete options, Phrases, Emotes key
3. Word Prediction bubble – contains word predictions, follows the text as you type, tap on a word to enter it into the message window.
4. Word Prediction strip – contains word predictions, tap on a word to enter it into the message window.
5. Keyboard – for typing
6. Settings key
7. Feature keys – set up the app so that the features you use most are right at your fingertips

## 3. Logging in

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The first time you open the app after installing you will be asked to log in with a username and password. If you don't have a username and password you can create one now (this log in is the only time you will need to be online in order to use Predictable). We ask you to make an account for this version because we've added an automatic backup feature to the app, so that changes you make to the app can be retrieved later, or automatically downloaded onto another device.

Alternatively, you can choose to skip login by selecting Guest mode. This will take you to a screen outlining the action of skipping login, which is not recommended. Guest mode will keep the device offline and will NOT save any settings or data and prevent you from recovering it, or changing device. Please read the description about Guest mode to use this feature.

## 4. Speech Settings

Predictable uses the text to speech settings that are saved in the device settings. This means that if a voice is installed on the tablet or computer, the voice will speak in Predictable. To access them, in windows 10, click on the start button, then on the Settings button (the gear shaped icon on the bottom of the popup menu)

Then Time and Language > Speech

This will then show the options available on the device and any customisable options on the voice engine.

### 4.1 Importing voices

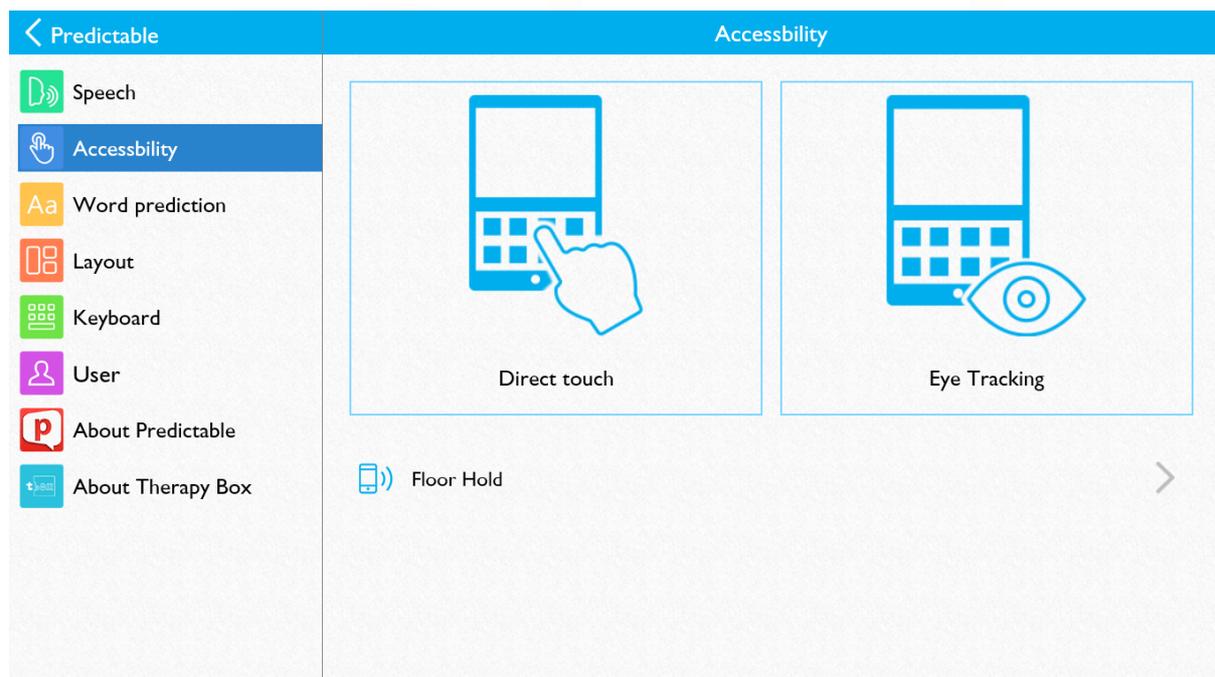
To use a 3<sup>rd</sup> party voice profile or a text to speech voice with Predictable, you can install any voice that is compatible with windows into the settings of the device. Predictable will then speak using that voice.

To use a ModelTalker voice go to <https://www.modeltalker.org> Where you can login to your ModelTalker account. In there are detailed instructions on how to download and install the voice to your Windows desktop or Surface Tablet.

If you have any queries regarding adding 3<sup>rd</sup> party voices onto Windows 10, please consult the distributor's information on how the voices can be installed.

## 5. Access Methods

Predictable is designed to be usable by as many different people as possible. If you find the touch screen easy to operate, then leave the app in direct touch mode (this is the access method which is on by default). Otherwise, you may wish to set up the app to use the other access method, which is Eye tracking.

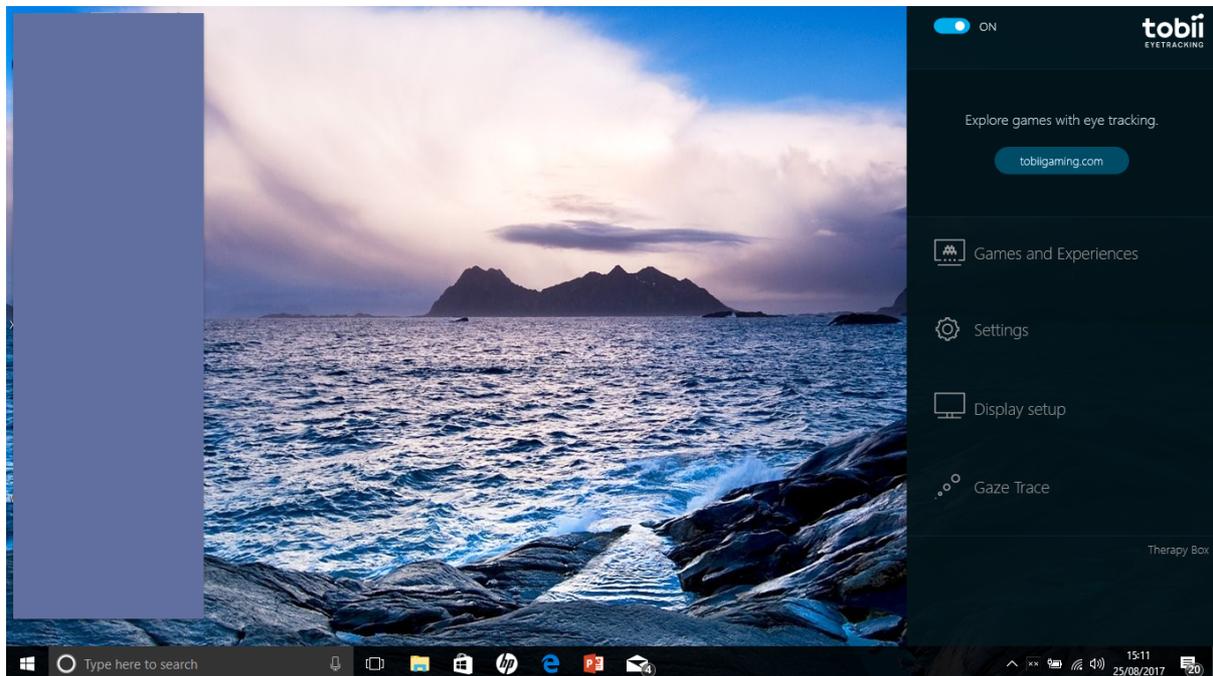


When in settings go to the Accessibility page. There are two options for access methods on this page. Direct touch and Eye tracking. By tapping on direct touch mode, you know you are on the common access mode with is supported by both tablet and desktop.

### 5.1 Setting up your Eye Tracking Hardware

To access via Eye tracking you will need to set up the eye tracking hardware. This hardware includes all Tobii Dynavox eye tracking bars.

You will then need to connect the eye tracking bar to the Tobii Core Software which will connect to the eye tracking bar.



For example, the Tobii Dynavox side app, if connected to the eye tracking bar, will display the connection; otherwise please consult the Tobii application for more information on why the eye tracking bar will not connect.

All display settings and other general settings of the Tobii eye tracking side app will not affect the Predictable app.

You can usually check the connection by showing your gaze on the screen using this Tobii Side app.

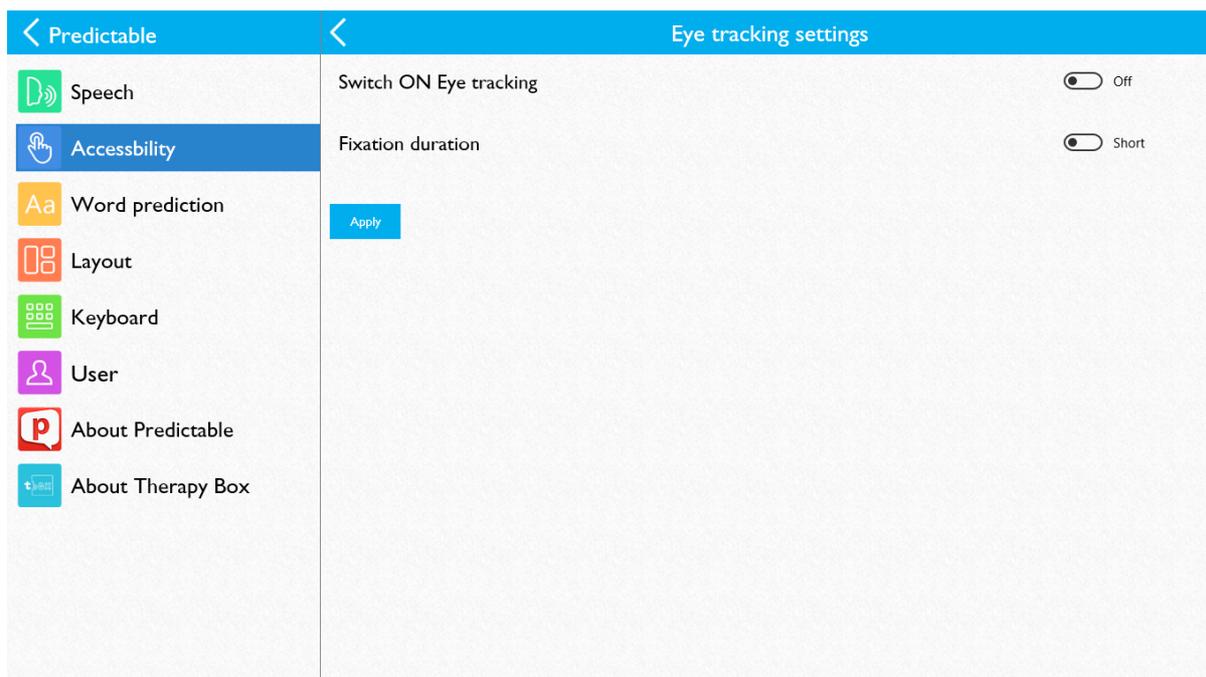
We strongly recommend fully calibrating and setting the eye tracking light bar up for each individual who uses the app with eye tracking. This will give the best results when using the app in eye tracking mode.

To see a more detailed guide to Eye Tracking, please refer to our Eye Tracking Guide for Predictable Windows:

[https://therapy-box.co.uk/docs/PAW\\_eyetracking\\_guide.pdf](https://therapy-box.co.uk/docs/PAW_eyetracking_guide.pdf)

## 5.2 Using the eye tracking in Predictable

Once the light bar is set up, you can open Predictable whilst the Tobii side app is running, so that both applications are running. Then click to enter the eye tracking settings page.



In this page, you will have the option to turn on the eye tracking. You will also have the option to choose between the various dwell time options.

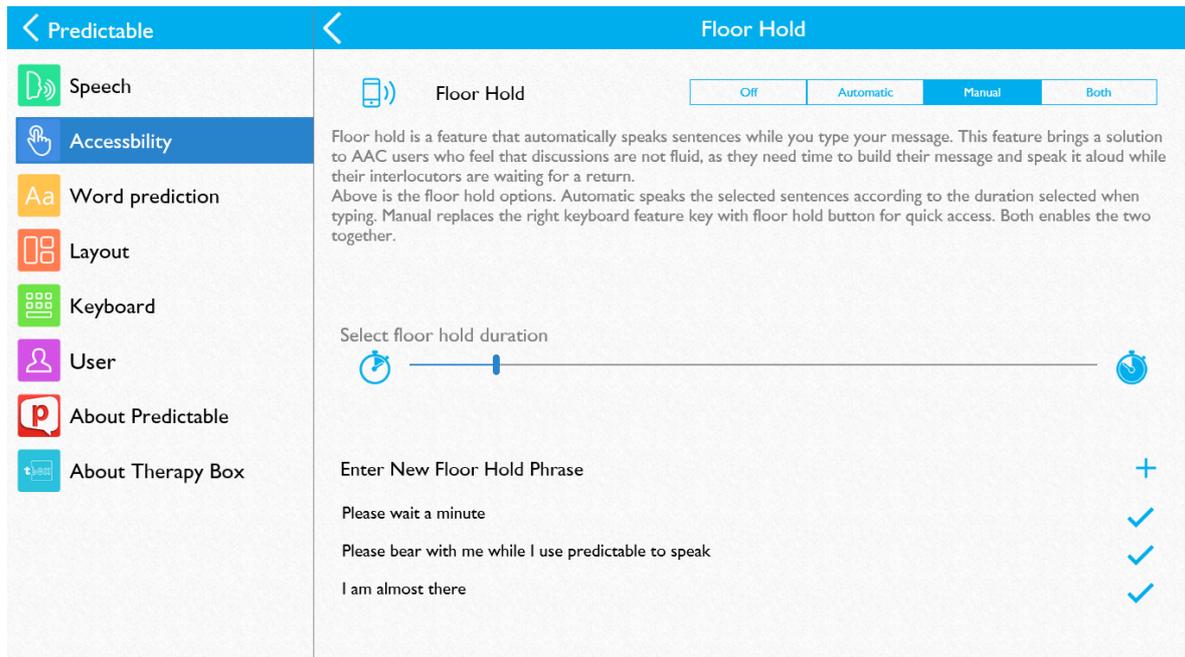
Dwell time is the time taken between fixing your gaze on an item on the screen and wanting to select it. When starting to use the app, you may want to begin by using the slowest option. This will give greater accuracy by allowing more time to gaze at the option that you would like to select. Once used to using Predictable eye tracking, it may be better to use a shorter dwell time as this will allow quicker typing and more words per minute.

Once you have picked all of the settings on this page, then press the Apply button. This will initialise the eye tracking on the text entry page and start the connection between the eye tracking bar and Predictable.

To start using the eye tracking, press on the back arrow on the settings to then go back to the Predictable home screen. Please note that some of the settings on the main page may have been altered to allow eye tracking. This can include the selection of the Keyboard Feature Keys and the keyboard options.

Once looking at an area for a short period of time, the app will visualise the gaze by displaying a circular progression bar on the page. By keeping your gaze on that area of the screen, the progression bar will fill (dependant on the dwell time that you selected). Once the visualisation has completed, the selection will be made, either picking that option on screen or adding the letter to the message window.

## 6. Floorhold Messaging



Sometimes it can take a bit of time to type out your message. We've built in an automatic floorhold system, which lets the people you're speaking to know that you're constructing a message. If you want to use this feature, go to Settings > Accessibility > Floorhold. Turn Floorhold to. Off, Automatic, manual or both.

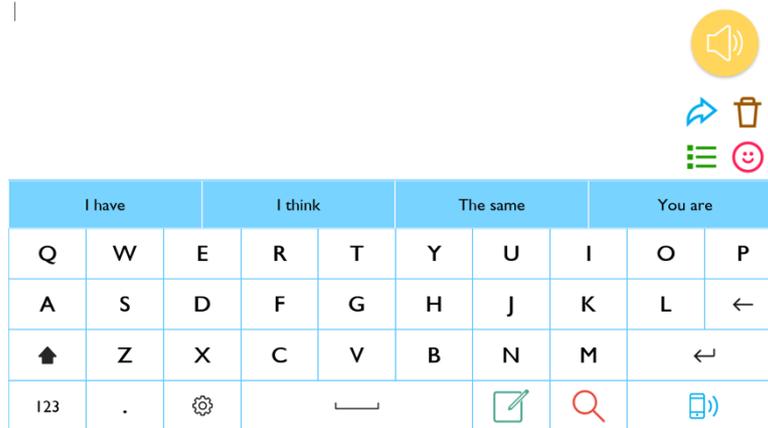
Automatic enables the selected sentences to be spoken according to the duration selected. The timer will begin once typing. Manual will replace a keyboard feature key with the floorhold key to allow a quick manual selection, reciting the phrases in sequence. Both allows the automatic feature and manual key to be active together.

Select floor hold timer (how long the app waits before speaking out the first floorhold message) by moving the slider.

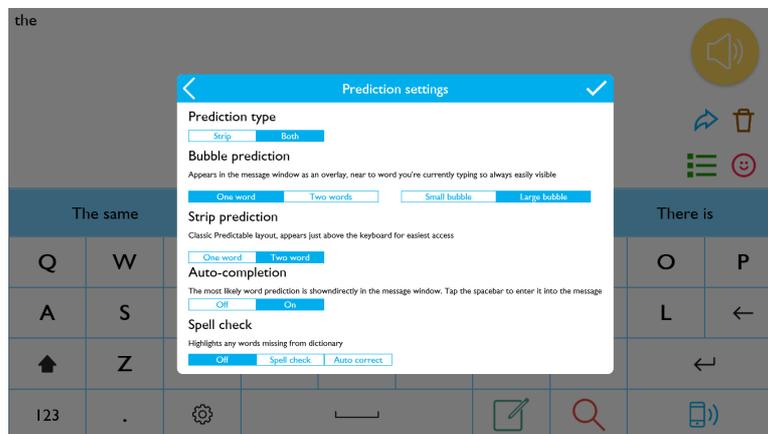
Select Tap to add phrase to give the app messages to speak out while typing. Floorhold works with all access methods.

## 7. Word Prediction

Predictable includes a sophisticated self learning word prediction. The word prediction uses letters already typed by the user, context from previous words, and the user's own vocabulary to provide accurate predictions. The self learning feature is intuitive and learns from your usage pattern, picking up non-standard words, and the user's preferred grammar and style of speech.

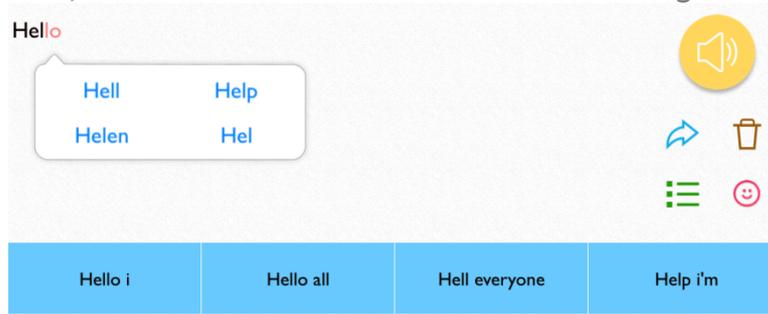


More flexible than ever before, the word prediction can be set up in a variety of ways. Make changes to suit your personal preferences in Settings > Word Prediction > Prediction type.



## 8. Bubble & Strip

The word prediction strip appears at the top of the keyboard. Up to four predictions are shown in the strip at any time. Tap on the word you want to use, and it will be added to the message window.



The word prediction bubble appears next to the word as you're typing it. It will also show up to four predictions at any time.

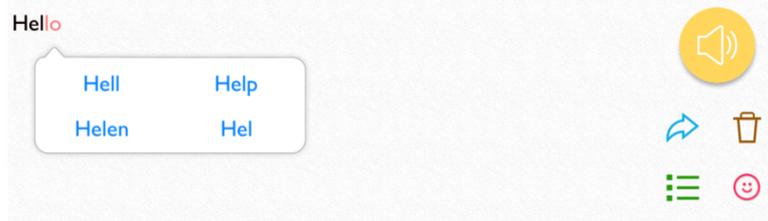
You can show strip only, bubble only, or both at the same time, for extraordinary prediction power.

## 9. One-Word & Two-Word



One word prediction is the classic prediction; it guesses the word you're typing as you're typing it. Two-word prediction not only guesses at the word you're typing, but also tries to find the word which comes afterwards as well; it predicts two words at the same time, rather than just one individual word. When you have both bubble & strip prediction turned on, one display will be dedicated to single word predictions, and the other will contain two-word predictions.

## 10. Auto completion



The most likely word prediction is shown directly on the message window: letters already typed appear as normal, letters contributing to a word prediction appear in red. Tap on the spacebar to complete the word, turning the red letters to black.

## 11. Spell Check

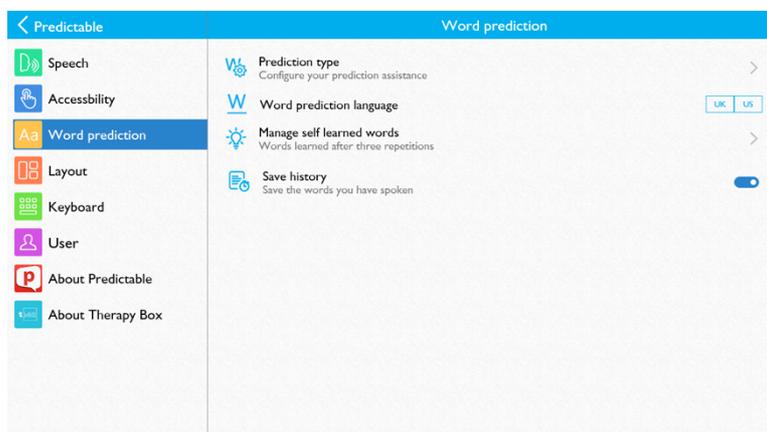


You can choose to keep the spell checker turned off, have the spell checker highlight misspellings, or turn on autocorrect, in which case

the app replaces misspelled words with the closest alternative from its dictionary.

## 12. Other word prediction settings

Go to Settings > Word Prediction to make other changes.

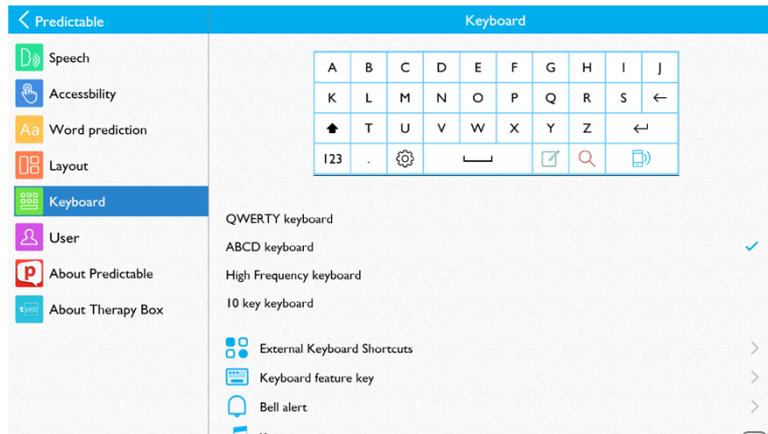


If the word prediction engine learns any new words, it will be added to self learned words. To remove any self learned words from the word prediction engine (and to stop them from re-appearing), tap Manage self learned words and tap on the word you want to remove, then tap delete). If you want to reset the word prediction completely, tap on the circular refresh button in the top right of the screen.

## 13. Keyboard Settings

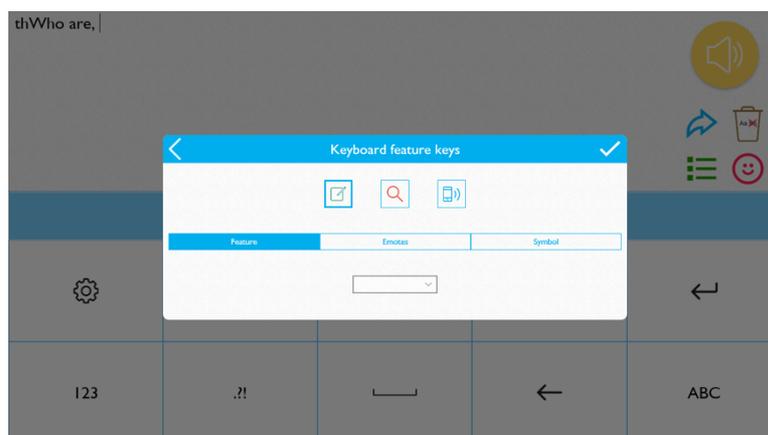
### 13.1 Choose your keyboard type

Predictable comes with a number of inbuilt keyboard options. The default is a QWERTY keyboard, but there's also an ABC layout (Keys listed in alphabetical order), a high frequency layout (the most common letters appear first, least common letters are listed last – this can be useful for people using switch or touch anywhere access methods), and a new 10-key layout.



The 10 key layout is a bit different to the other keyboard options, it has a much bigger target area than the other keyboards and is especially useful for people who benefit from touch accommodations. There's 10 buttons on screen, the top 5 buttons are letter groupings. Tap on the letter group you want to use and the keyboard will change to let you put a letter into the message window. Once you've added a letter, the keyboard will snap back to the main keyboard page (with letter groupings again). Tap on the 123 button in the bottom left to add numbers (the keyboard that comes up shows 0, 1, 2, and 3; you can navigate to higher numbers using the arrow key). There's a reduced punctuation selection, which can be found by tapping on the..?! button. The ... button will change the top row of the keyboard to show the settings button, a return key and your 3 chosen keyboard feature keys

## 13.2 Change the keyboard feature keys



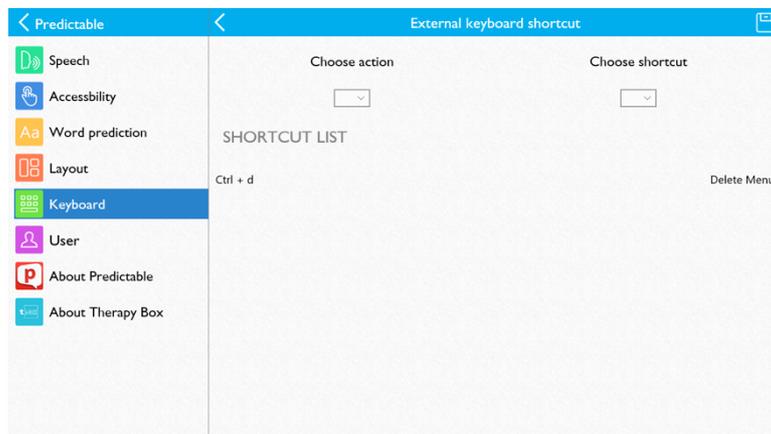
The last 3 buttons on the bottom row of the keyboard are given to feature keys. These are keys which perform a function, open a new app view, or contain an emote sound or punctuation key. In previous

versions, these options were fixed, but we've now made it so you can choose the features you want to be able to access through these keys.

Go to Settings > Keyboard > Keyboard feature keys. Tap on the feature key you wish to change. Choose from Feature, Emote, or Symbol; then scroll through the list of options. If you don't want any feature keys, choose None from the list of options, and the feature key will be hidden from the app's keyboard.

### 13.3 Keyboard access

When you're on the main page of the app, all you need to do is start typing and the message will appear in the message window.



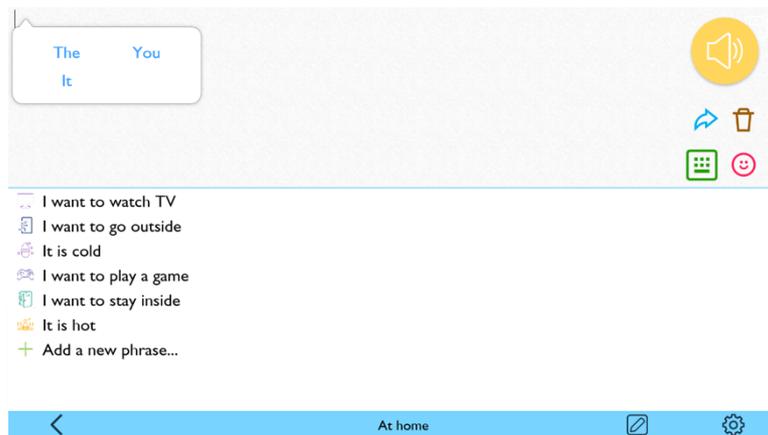
You can use the touch screen as normal when you have a keyboard connected, but we've also built an option to add keyboard shortcuts so that you can, for example, use the keyboard to select from the word prediction strip. Go to Settings > Keyboard > External Keyboard Shortcuts. From the first list choose the shortcut action (what action you want the app to perform, for example "Select Predicted Word Number 1" which will add the first word from the word prediction strip into the message window). From the second list choose the Shortcut (the keys you want to press on your keyboard in order to perform the action). Tap on the save button in the top bar and it will be added to your list of shortcuts.

If you want to edit or remove a shortcut, tap on the action in the shortcuts list and choose edit or delete.

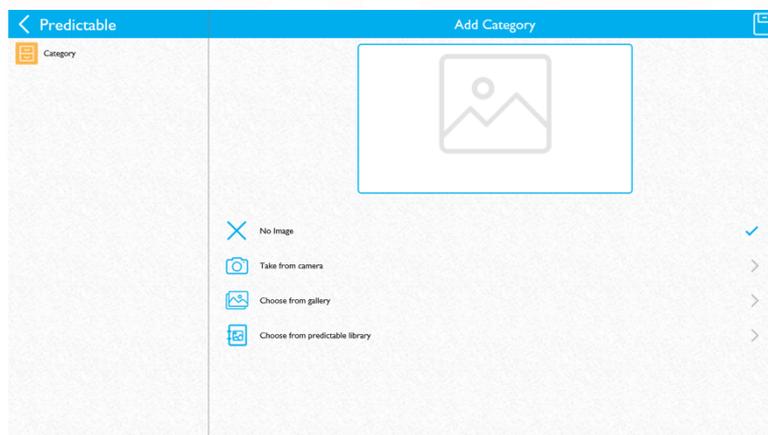
## 14. Getting your message across (other ways of adding text to the message window)

### 14.1 Phrases

Tap on the phrases quick key. You'll see a set of categories. If you tap on a category, a new screen will open showing phrase relating to the category. Tap on a phrase, and it will be added into the message window.



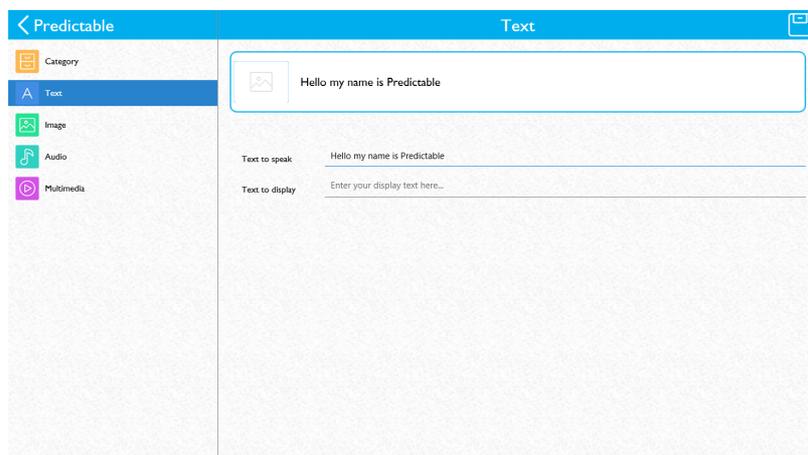
### 14.2 Add a Category



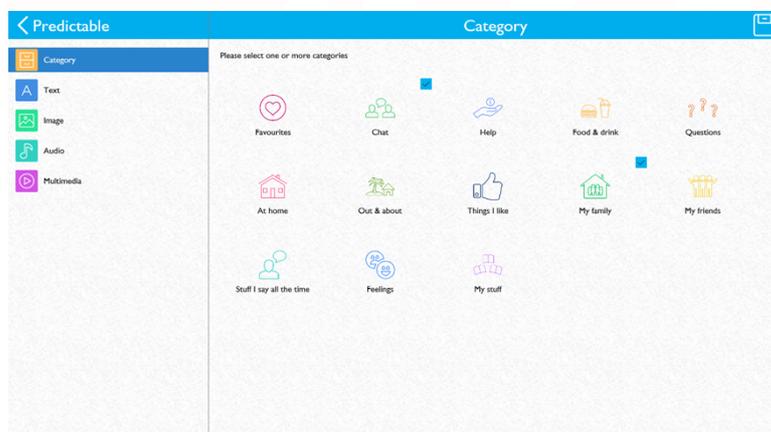
You can add a category from the categories page by tapping on the edit button, then scrolling through to the last category page. An add category button will appear behind the last category, tap on this. Your category does not need to have an image, but you need to give it a unique name.

You can also edit a category from the category page if you tap on the edit button. Tap on the category you wish to edit. You will be given the option to edit or delete (if you choose delete, all phrases within the category will also be removed).

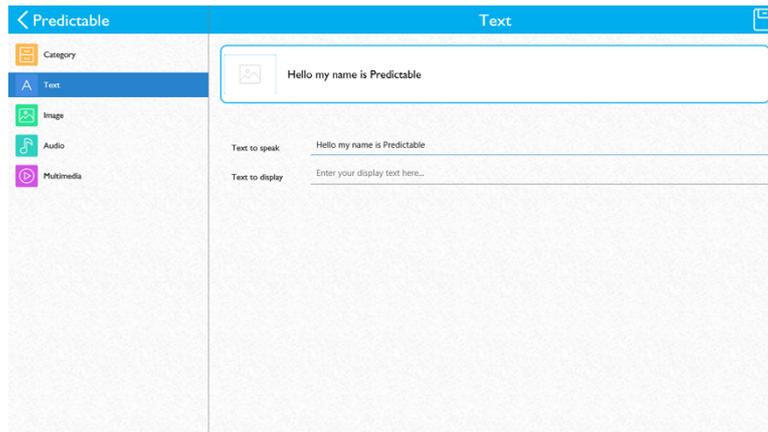
## 14.3 Add a Phrase



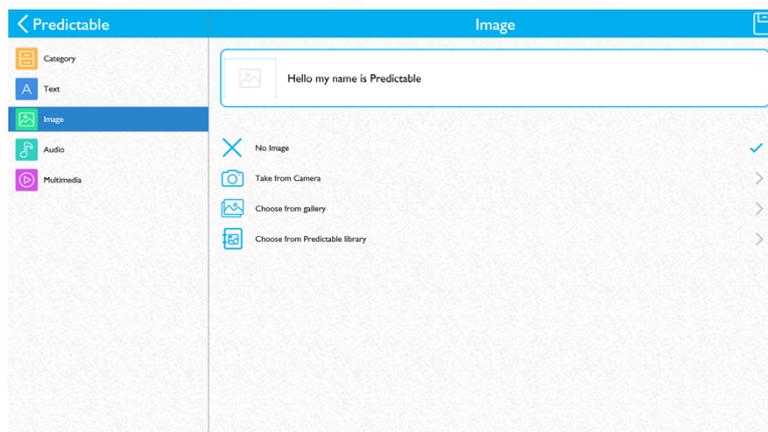
Add a phrase from the main page: Type the text you wish to save directly into the message window. Tap use, then tap Add Phrase. Select a category for your phrase. You will be able to save the phrase at this point, but you can make further changes if you wish to. To add a phrase from the phrase library go into any category, tap the edit button, and an add button will appear as the last item on the phrase list or phrase grid.



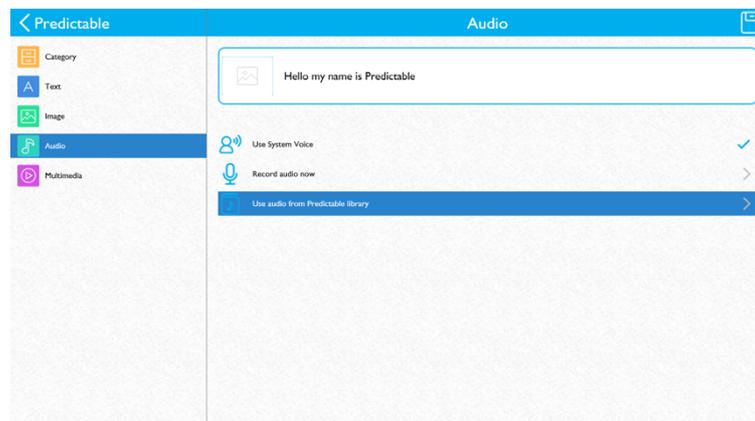
Category: changes which category the saved phrase will appear in. You can select multiple categories for the same phrase.



**Text:** Phrase text is the text which is added to the message window and /or spoken by the app when you select the phrase from the phrase bank. Label Text can be different from Phrase text, this is the text which is shown in the app when you're looking for a phrase. You may wish to use label text if you're saving a very long message, so that it's easily identifiable. For example, "Hello, my name is Samuel, but my friends call me Sam. I am pleased to meet you." Could be labelled "Introduction".



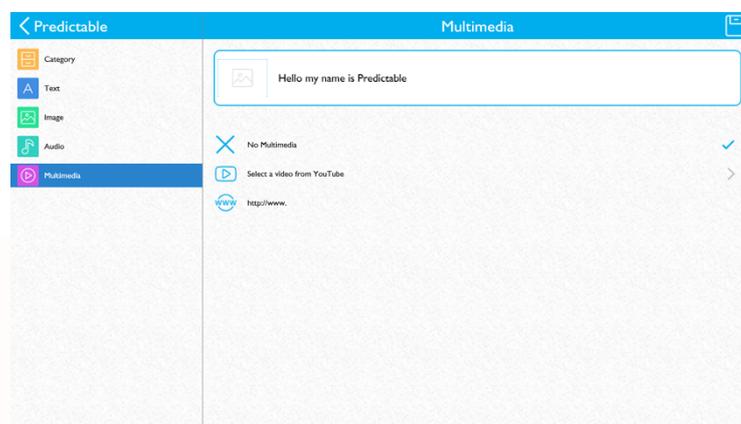
**Image:** You can add an image to your phrase. The image won't go into the message window, but will appear next to the text label in the phrase list and can serve as an easy visual prompt. This option is not required, if you don't want an image, you don't need to use one. You can take a photo, use an image from your iPad's gallery, or choose from a selection of pre-drawn symbols.



Audio: If you're still able to speak and wish to bank your message, recording your own voice, then you can do so here.

To record live, tap on Record Audio now, then tap on the microphone button. When you're finished recording, tap on the stop button. You can listen to the recording back, to ensure that you're happy with it. If you have previously used the Predictable app to record a phrase and wish to reuse it now, go to Predictable Audio Library and search for the title of the phrase you wish to use.

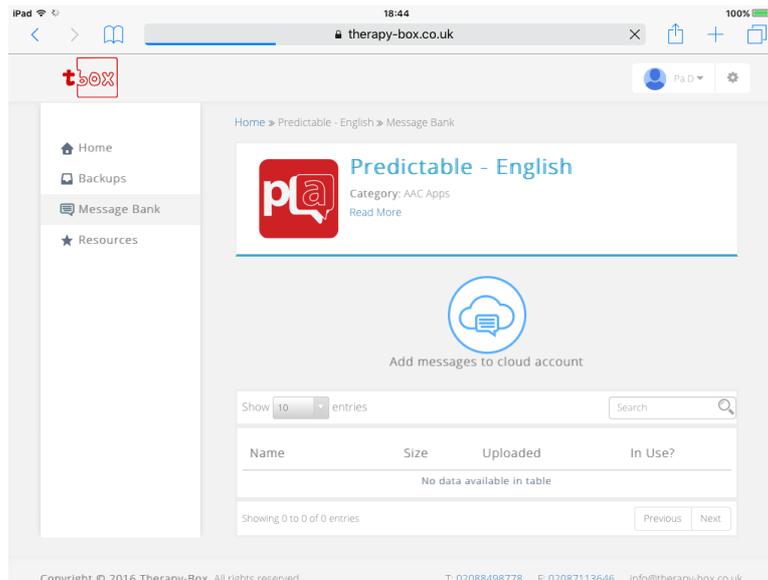
If you've banked messages using a different recording method, go to Message banking. You will need to be connected to Internet to add a banked message as it requires access to your user account (more information on user accounts under the heading Users & Backups).



Multimedia: if you have songs saved to iTunes on your iPad, you can add them to play from within predictable here. If you have an internet connection, you can also search for a YouTube video, and add in a quick web link, so that you can easily surf your favourite websites without leaving the predictable app.

## 15. Message banking with your user account

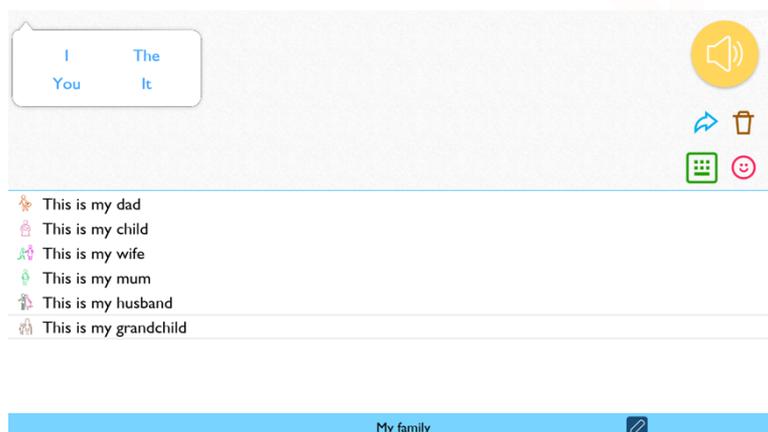
If you've made a set of recordings to bank your voice, and want to use them in the app go to [www.therapy-box.co.uk/login](http://www.therapy-box.co.uk/login) and log in with the account name and password you're using within the app. Go to Message Bank, and upload as many voice files as you would like to use. Inside the Predictable app, go to Add Phrase > Audio > Choose from Message Bank, and select the voice file you wish to use.



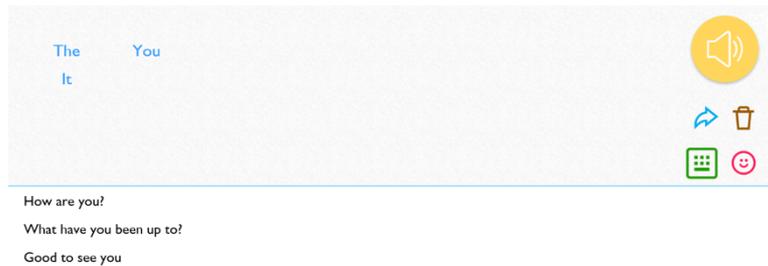
You can also create message bank phrases in this webpage too. To do this, simply select a category when choosing the audio files. There will be a drop down list of all the categories that are attached to your account. By selecting one from the list, all of the audio files that are added as a banked message will be added as phrases, using the filename of that file as the phrase name. To see the files in the app, you will need to log into the app to see the changes.

## 16. Editing a phrase

Find the phrase you wish to edit. Along the bottom of the page, tap on the edit button. Tap on the phrase you'd like to edit to bring up the option Edit/Delete. Choose Edit.

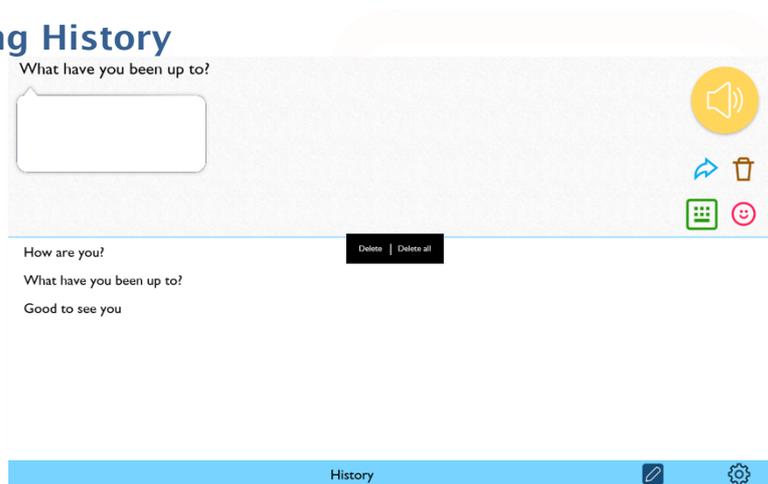


## 17. History



Every time you press the speak button your message will be saved in history. You can access history by pressing on the use button, then on history. If you tap on a historical phrase, it will be added into the message window.

## 17.1 Clearing History

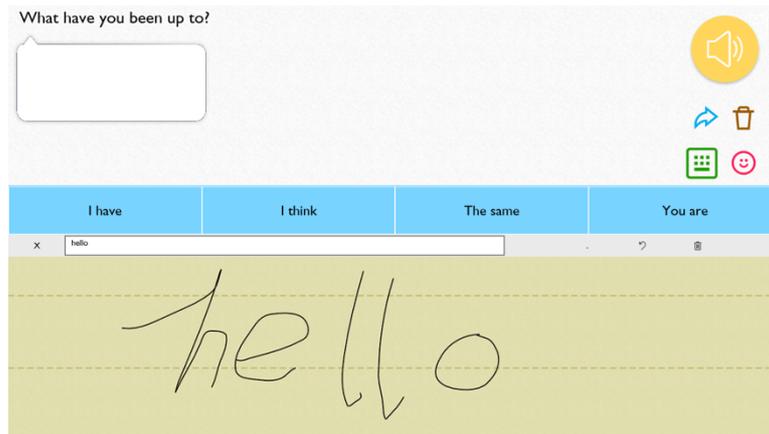


With the history page open, tap on the edit button. Tap on the phrase you wish to delete. You will be given 2 options: delete this phrase & delete all.

*NB: If you don't want Predictable app to store your phrases in history at all, go to Settings > Word Prediction and turn Save History to off.*

## 18. Handwriting tool

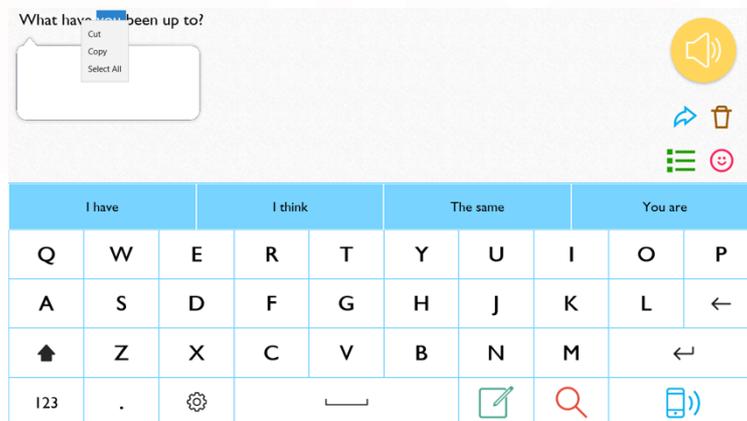
NB: The new handwriting tool requires internet access to function



Tap on the handwriting button from your keyboard. Write out a word onto the yellow entry area. The app will check the word and present the text in the text bar. Tap on the add button and it will be added into the message window. If none of the interpretations are correct, or if you don't want to enter the word into the message window, tap on the eraser button at the bottom of the box on the right.

## 19. Copy & Paste

**Copy:** double tap on the message and drag the highlighter to select the part of the message you wish to copy. Tap use, then copy. The selection will be copied onto the devices clipboard and can be pasted into other apps (such as notes, google docs, etc).

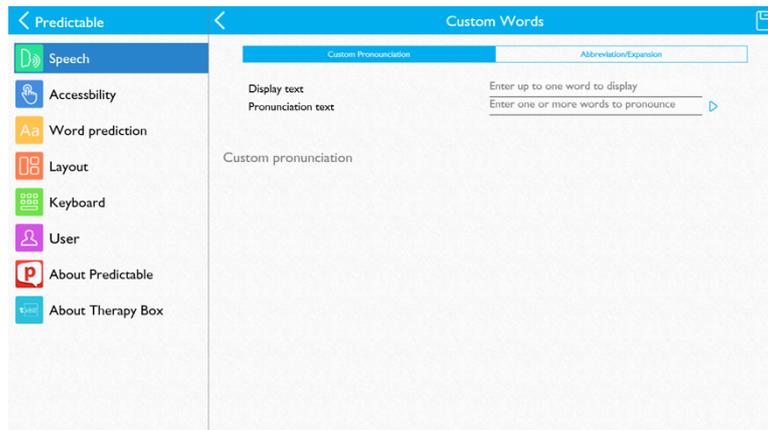


**Paste:** copy text from another app. Enter Predictable, tap on use, then paste. The text will appear in the message window.

## 20. Voice & Emote Output

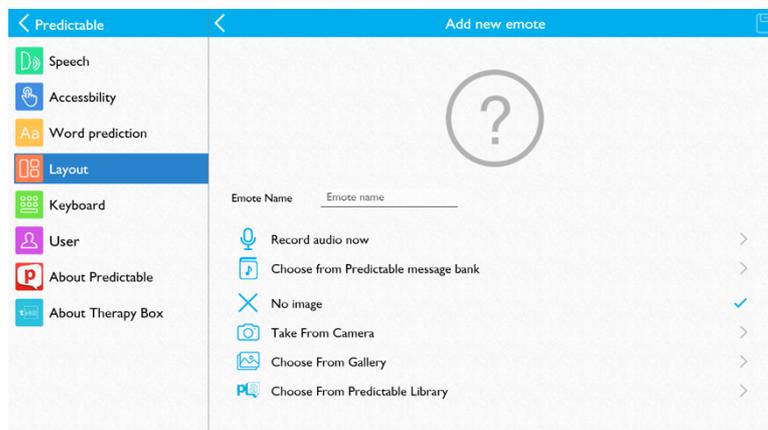
Users of Predictable are able to speak out any message that is put into the message window, by tapping on the Speak button in the top right of the screen

## 21. Fixing Pronunciation



Sometimes a synthetic voice is going to get pronunciation a bit wrong. Fortunately, it's easy to fix. If you have a word which is being mispronounced, go to Settings > Custom Words. In the Display Text entry field, type out the word that is being mispronounced, and in the Pronunciation text entry field type the word as it might be spelled phonetically. Tap on the play button to hear how it will sound, and if it's correct, tap on the save button in the top right.

## 22. Custom Emotes



If there's a sound you want to use to emote, and there's nothing similar in the app already, you can add a custom emote sound. Simply go to Settings > Layout > Manage emotes. Tap on Create New Emote. Give it a name, then press "Record Now" (if you want to record the sound live) or "Choose from Audio Library" (if you've already got an audio file representing the sound). Tap on the save icon in the top right. In Manage Emotes you can choose which emote options you want to see when you press the emote quick key in the main page. Tap on an option to select/deselect.

## **23. Publish feature: share private messages in public places**

# What have you been up to?

Sometimes you may not wish to use the voice output option at all, for example, if you're having a private conversation somewhere that someone could easily overhear. In instances like these, you can turn on the Publish feature. Go to Settings > Speech > Speak options and turn Publish to on.

The speak button in the app will turn into a publish button: pressing on this makes the text larger, and flips it over so that it's easy for someone sitting opposite you to read it.

*This is mainly designed for mobile devices*

## **24. If you want to use your own voice (Message banking)**

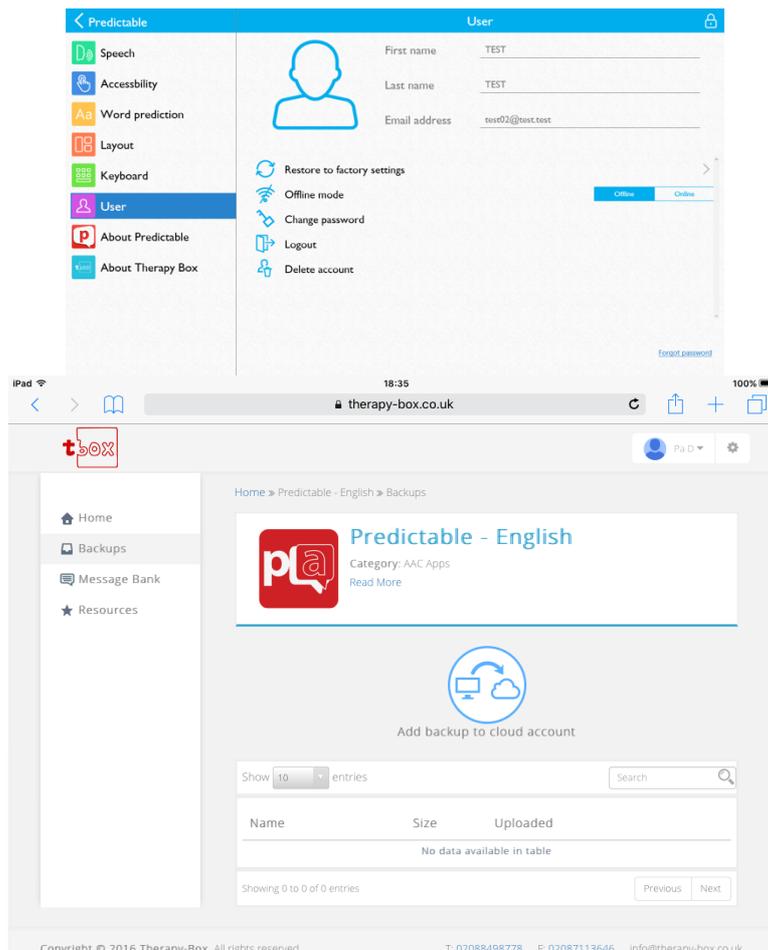
*See: Message banking with your user account*

## **25. Sharing your message**

Write out your message in the message window then tap on the Use Key. You can share messages via twitter, facebook or email. You will need to sign into your mail, twitter, facebook accounts before sharing any messages. You can do that by leaving the Predictable app and going into the main device settings.

## **26. Users & Backups**

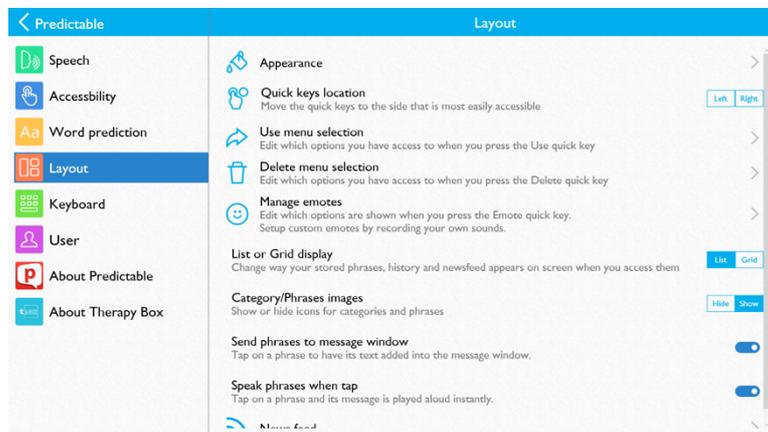
Login with username and password to any device and the app will automatically sync. If you have skipped login, you will have to create one to see this window. More info required here...



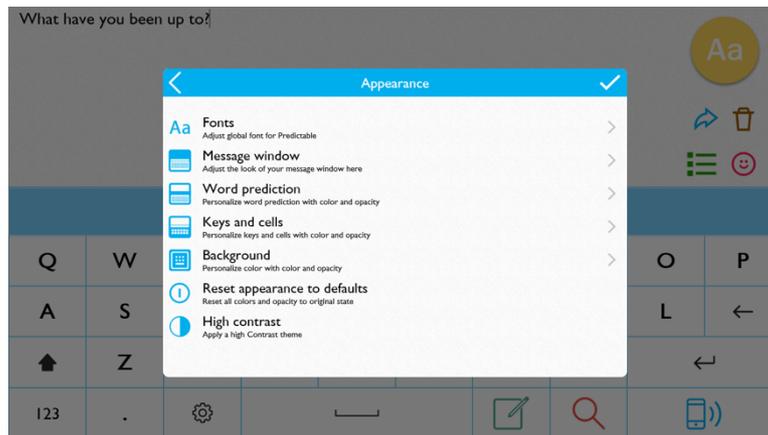
## 27. Change the app's appearance

The latest update contains more appearance options than ever, letting you change the app's buttons to make them easier to use, or simply to suit your personal taste. Go to Settings > Layout > Appearance.

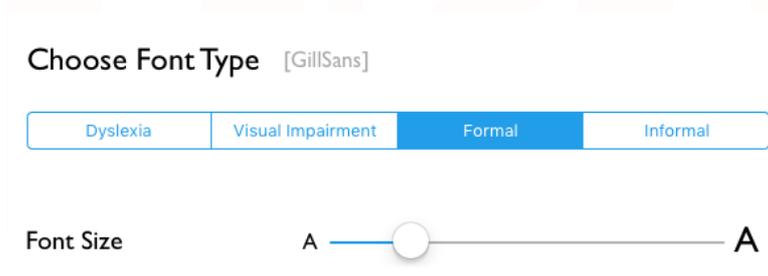
### 27.1 Fonts



For the first time you can change the app's font. Go to Settings > Layout > Appearance > Message window > Choose font type. We've split font types up. If you have dyslexia or visual impairment, you may wish to choose an easy to read font from one of these lists. We have also added a selection of formal and informal fonts from which you may like to choose to suit personal preference. Changing the font will alter the font everywhere in the app: the word prediction, the keyboard, phrase list, etc.



You can also change the message window font size using the slider, and the colour of the font using the picker option.



Go to Settings > Layout > Appearance > Word Prediction to change the size & colour of the text in the message window strip.

Go to Settings > Layout > Appearance > Keys and cells to change the colour of the text on the keyboard, in your phrase lists, in the history section of the app, and on the news feed.

## 27.2 Changing the colour scheme



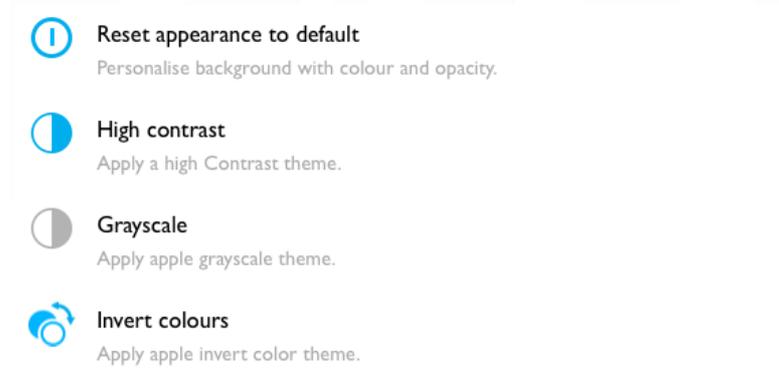
Go to Settings > Layout > Appearance > Message window. Tap on the background key, then choose a colour from the options. To make the colour more pale, move the background opacity slider to the left.

Go to Settings > Layout > Appearance > Word Prediction. Tap on the background key, then choose a colour from the options. To make the colour more pale, move the background opacity slider to the left.

Go to Settings > Layout > Appearance > Keys & Cells. Tap on the background key, then choose a colour from the options. To make the colour more pale, move the background opacity slider to the left.

If you have visual impairments, you may wish for a high contrast design. Go to Settings > Layout > Appearance > High Contrast to use our high visibility preset.

### 27.3 Reset to default

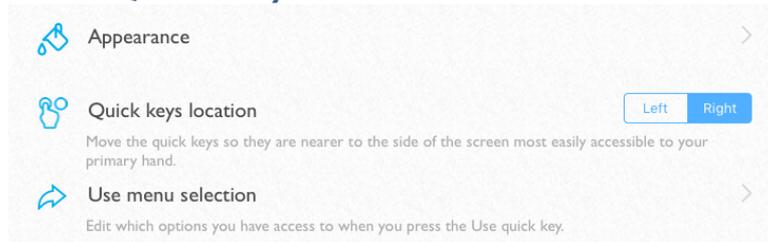


Go to Settings > Layout > Appearance > Reset to default lets you change the app's appearance back in case you decide you preferred the original colour themes to the changes you've made.

## 28. Other Settings

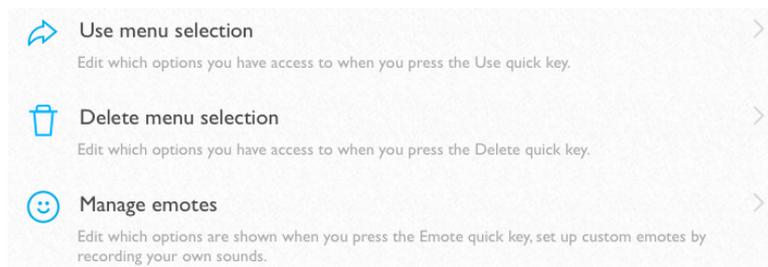
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## 28.1 Left Handed Quick Keys



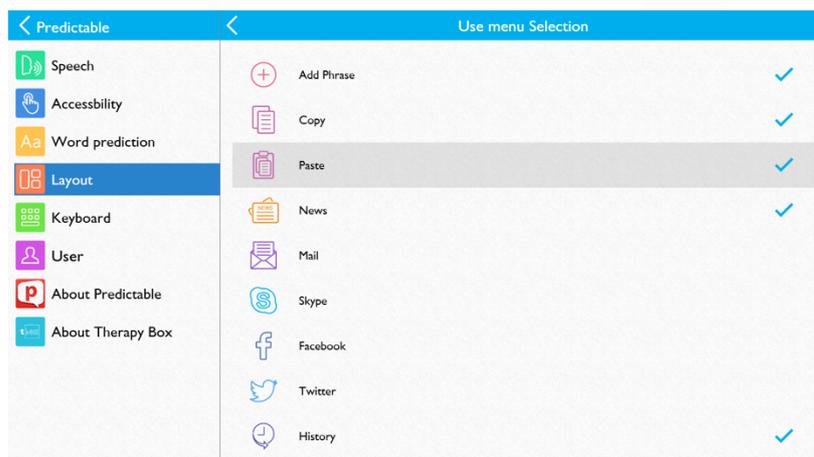
If you're left handed you may prefer the apps quick keys and speak button to be on the left. Go to Settings > Layout & next to Quick Keys Location, choose left.

## 29. Managing Quick keys



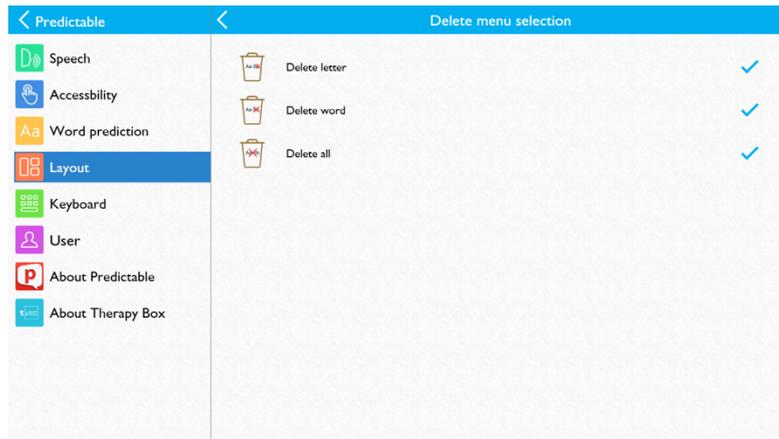
### 29.1 Use keys

Some of the Use keys may not be relevant to you. If you don't have a twitter account, for example, having the twitter Use key available isn't especially helpful. To remove the keys you don't want go to Settings > Layout > Use Menu selection. Untick the use keys you don't want to use by tapping on them. You can re-tick a use key by tapping on it again.



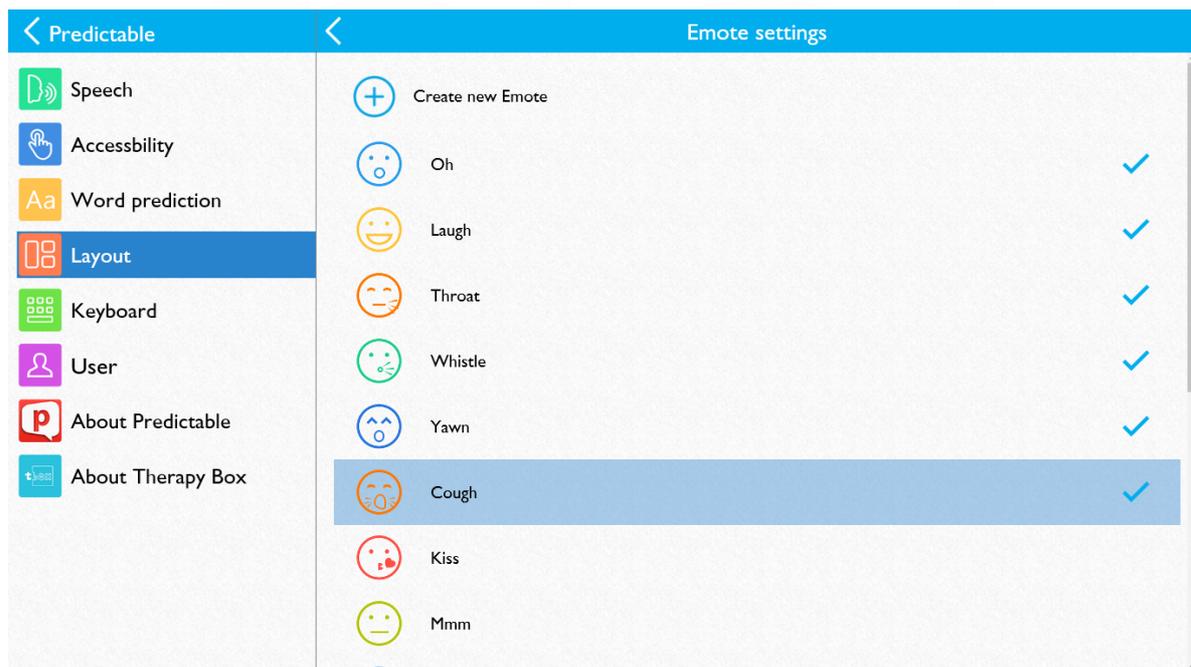
You can change the news provider that shows in your Newsfeed by going to Settings > Layout and scrolling to News Feed.

### 29.2 Delete options



To remove the keys you don't want go to Settings > Layout > Delete Options. Untick the delete options you don't want to use by tapping on them. You can re-tick a use key by tapping on it again.

## 29.3 Emotions



To remove the emote sounds you don't want go to Settings > Layout > Manage emotes. Untick the emote sounds you don't want to use by tapping on them. You can re-tick a use key by tapping on it again. Only the first 9 ticked emotes will be available in the app, so if you record multiple custom emotes, you may have to remove some of the default options from the emote list.

## 30. Bell Alert / Keytone

Change the bell alert sound by going to Settings > Keyboard > Bell Alert.

Turn the keytone (a tapping noise that plays whenever you tap a button) on or off by going to Settings > Keyboard > Keytone.

