



Predictable 5

user guide

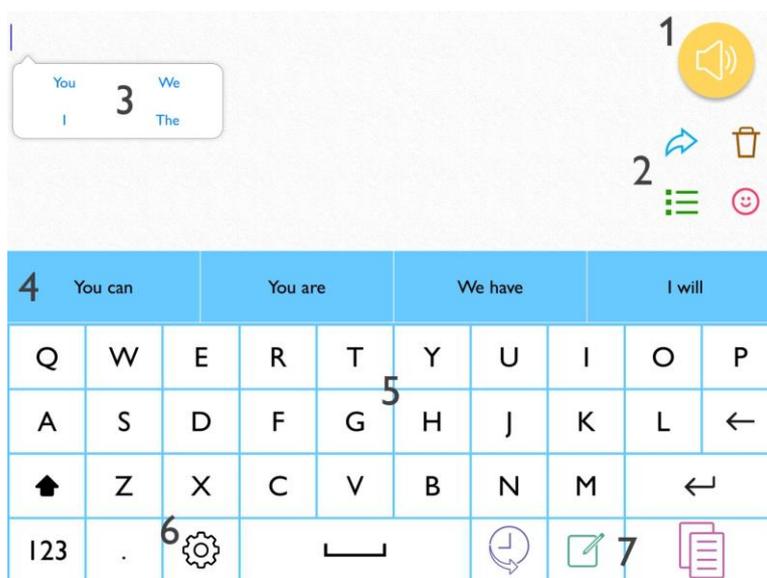
Table of Contents

4.1 Able to use the touchscreen but need some assistance	5
4.2 Low Vision	5
4.3 Not able to use the touchscreen	Error! Bookmark not defined.
5.1 Predictable Scanning (Touch Anywhere and Switch Access)	6
5.2 Scanning Rate	6
5.3 Scanning Rate	7
5.4 Quick Exit	7
5.5 Scanning Type	6
8.1 Bubble & Strip	10
8.2 One-Word & Two-Word	11
8.3 Auto completion	12
8.4 Spell Check	
12 8.5 Other word prediction settings	
12 9.1 Choose your keyboard type	
13 9.2 Use the iOS keyboard or a keyboard extension	
14 9.3 Change the keyboard feature keys	
15	
9.4 Using a Bluetooth keyboard	15
10.1 Phrases	
16 10.2 Add a Category	
17 10.3 Add a Phrase	
18 13.1 Clearing History	
23 16.1 Choosing your voice	
25 16.2 Nuance Voice	
25 16.3 ModelTalker	
26 16.4 iOS	
26 21.1 Sending an Email in Switch Access mode	
30 23.1 Fonts	
32 23.2 Changing the colour scheme	
34 23.3 Reset to default	
34 24.1 Left Handed Quick Keys	
35 25.1 Use keys	
35 25.2 Delete options	
36 25.3 Emotions	
37	

1. Introduction

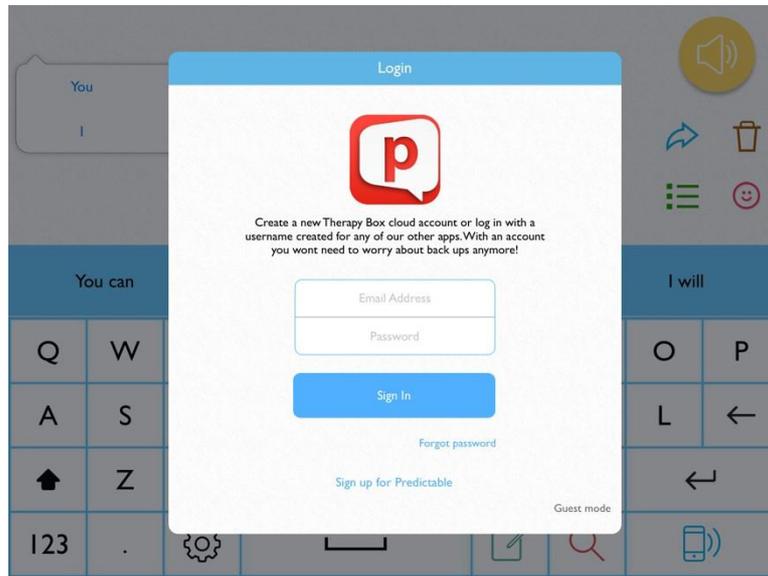
Welcome to Predictable 5; packed with new features to make the app easier, faster, and more convenient than ever.

2. Navigating the App



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



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. 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 in another way.

4.1 Able to use the touchscreen but need some assistance

Predictable works with iOS Touch Accommodations, you can find out more about touch accommodation settings at:

<https://therapybox.co.uk/docs/Touch%20Accommodations%20in%20iOS%2010.pdf>

4.2 Low Vision

Your iPad's settings have a number of options for people with low or no vision. You can find out more about how to set up your device to be more accessible here:

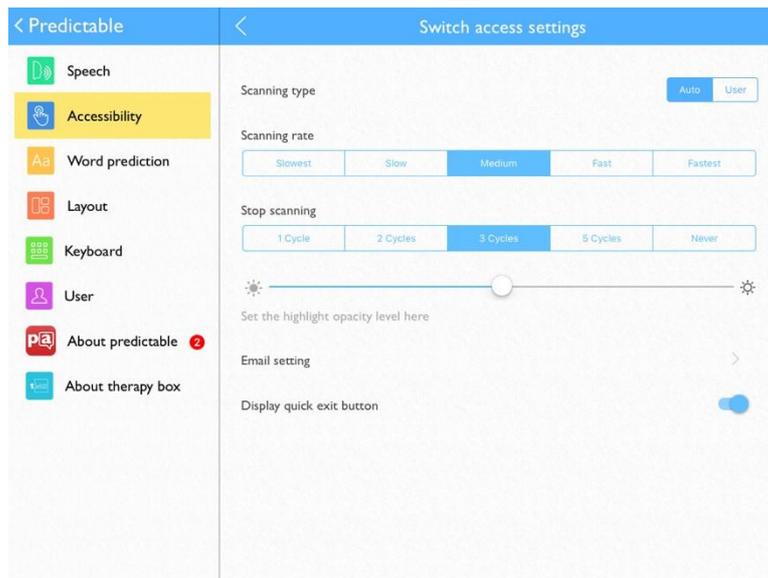
<https://therapybox.co.uk/docs/Voiceover%20in%20iOS%2010.pdf>

5. iOS Switch Control

Predictable works with iOS Switch Control. The benefit of iOS Switch control is that switch or touch anywhere users can control other apps on their device without needing that assistance of someone who can use direct touch. iOS Switch Control works with a lot of other apps, including all of apple's own apps. To use iOS switch control with Predictable, make sure you leave Predictable in direct touch mode (otherwise there will be two scanning highlighters, moving at different speeds, and the device won't know what selection is being made). A full guide to iOS Switch Control can be

found here: <https://www.therapybox.co.uk/docs/iosswitchcontrolen.pdf>

5.1 Predictable Scanning (Touch Anywhere and Switch Access)



5.2 Scanning Type



In switch access users have option of using auto scan or user scan.

Auto Scan highlights different sections of the screen at a fixed speed, and users press their switch when then region of the screen they want to tap is highlighted.

User Scan is sometimes known as “tap to advance” and requires two switches to operate in this mode. In this mode the first switch moves the scanning highlight to the next section of the screen and the second switch is used to make selections.

5.3 Scanning Rate



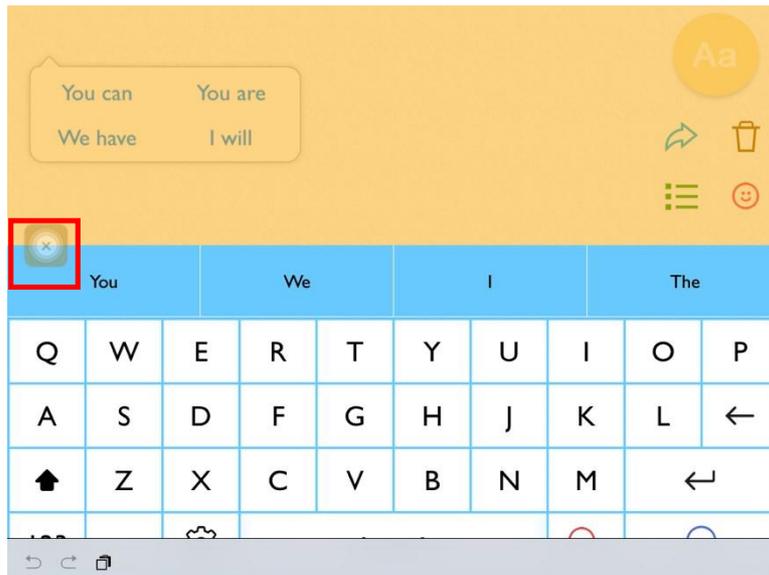
Choose the speed that you would like the scanning to occur. There are five speed options

5.4 Scanning Rate



Choose the number of times you would like the scan pattern to continue. This may be useful if the user requires extra time to think /find their selection. You can choose between one to five scan cycles. You can also choose unlimited scans (Never).

5.5 Quick Exit



When you are in quick exit scanning we have enabled a button for users to quickly exit when in either touch anywhere or switch access.

The icon is located on the left hand side of the screen above the word prediction. But you can move this button to a location of your choice. Tapping on this will trigger a pop-up, which asks you to confirm that you wish to exit scanning.

5.6 Email settings

See 21.1 “Sending an Email in Switch Access mode.”

6. Pairing your Bluetooth Switch Box with your iPad/iPod/iPhone

Go to Settings on your iPad/iPhone/iPad Touch. Scroll to “Bluetooth”. Turn Bluetooth “On”. Plug your switch into the switch box. Turn on your Switch Box by pressing the red power button and holding for 1 second. The LED will blink 3 times and attempt to pair with your iPad/iPod/iPhone. The LED will blink orange rapidly while it is connecting. Once connected, it

will blink rapidly green and red alternately. Then release Choose your Device. 7. Wait for it to find the Device and display “Connected”.

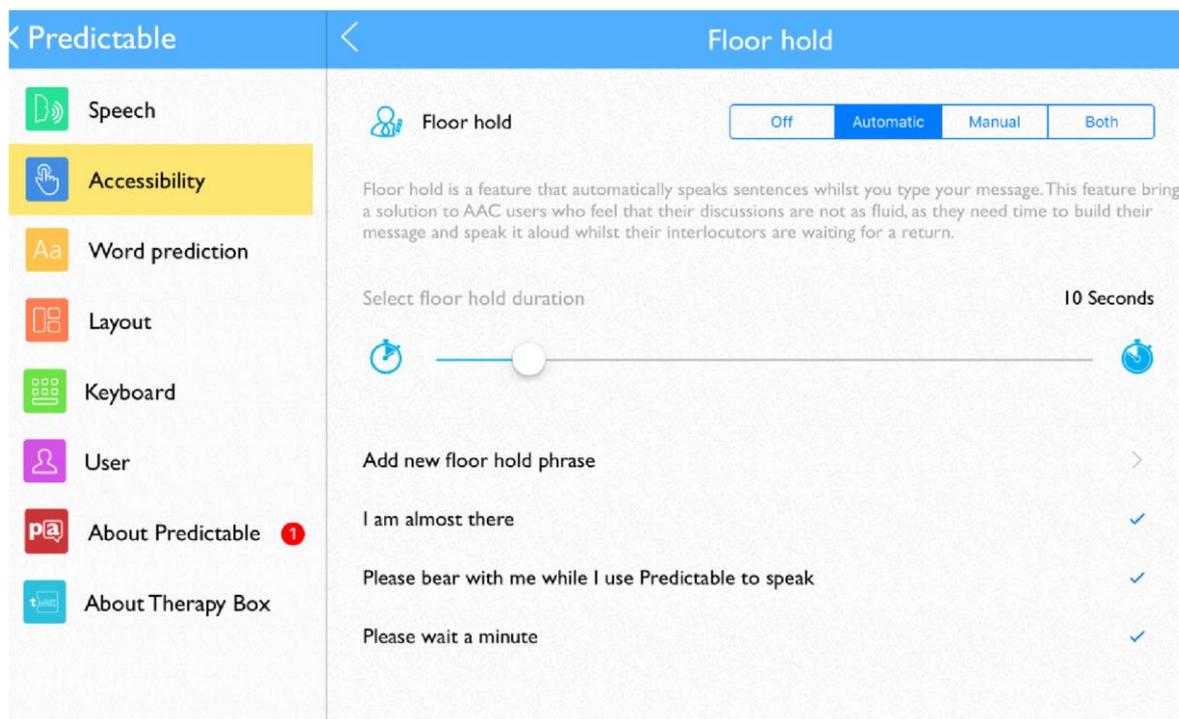


If pairing is unsuccessful, press the “i” button next to the device name in the list of “My Devices”, then tap “Forget this device”. Reset and try pairing again. NB: initial discovery may take up to 30 seconds.

To reset (e.g. to set up with a different iPad/iPhone/iPod): press and hold the red button for 8 seconds until it blinks rapidly green and red alternately.

Please download the switch user guide from www.therapy-box.co.uk for further detailed guide on switch integration and usage.

7. 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.

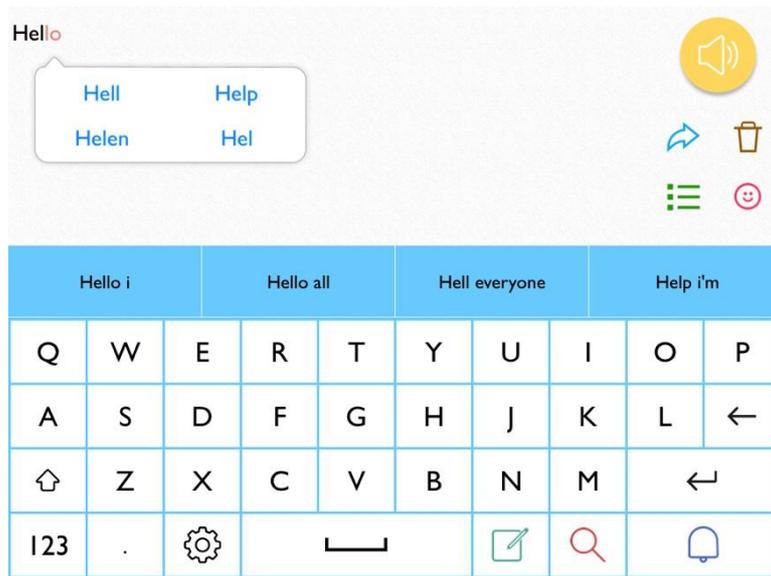
Automatic enables the selected sentences to be spoken according to the duration selected. The timer will begin once typing. Manual will replace a keyboard feature key with the floorhold key to allow a quick manual selection, reciting the phrases in sequence. Both allows the automatic feature and manual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

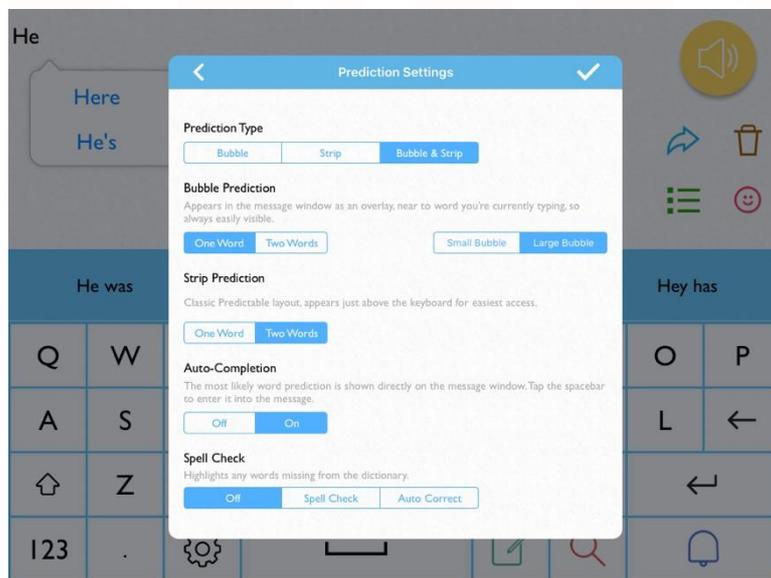
Select Tap to add phrase to give the app messages to speak out while typing. Floorhold works with all access methods.

8. 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.

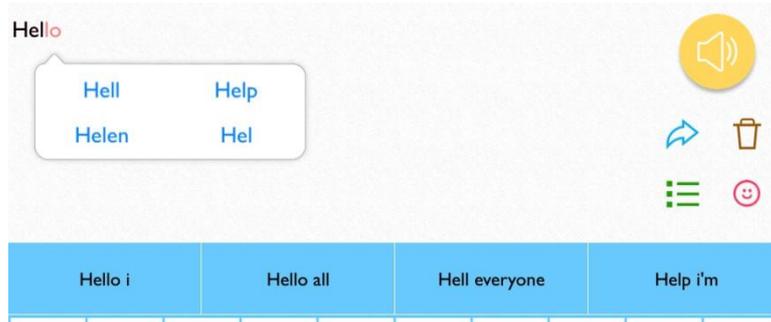


More flexible than ever before, the word prediction can be set up in a variety of ways. Make changes to suit your personal preferences in Settings > Word Prediction > Prediction type.



8.1 Bubble & Strip

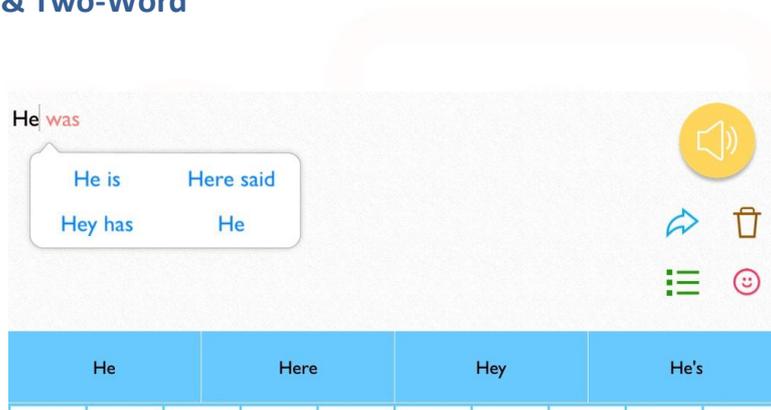
The word prediction strip appears at the top of the keyboard. Up to four predictions are shown in the strip at any time. Tap on the word you want to use, and it will be added to the message window.



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.

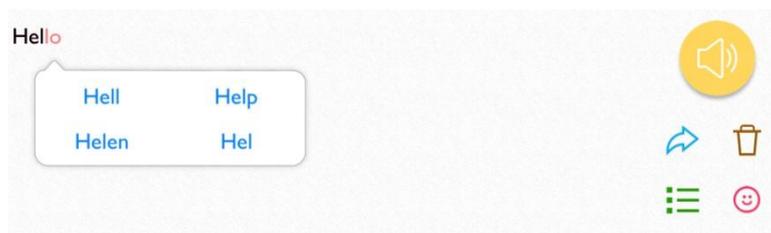
You can show strip only, bubble only, or both at the same time, for extraordinary prediction power.

8.2 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.

8.3 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.

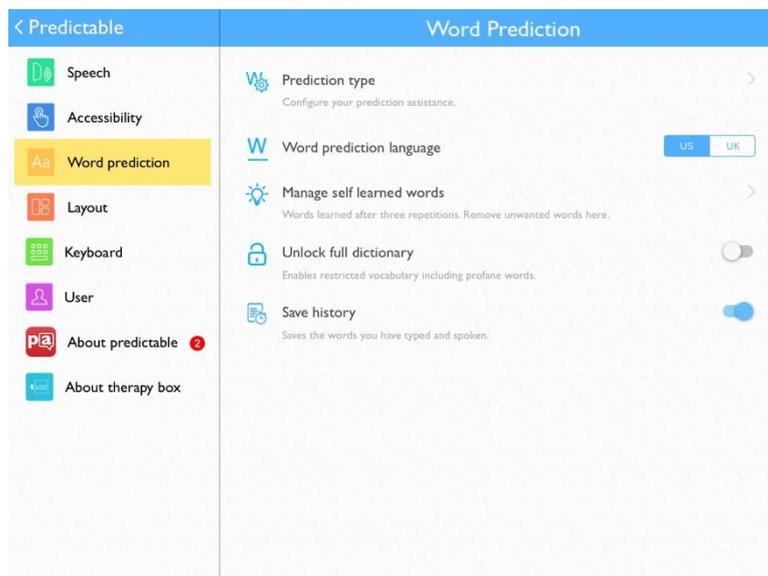
8.4 Spell Check



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.

8.5 Other word prediction settings

Go to Settings > Word Prediction to make other changes.



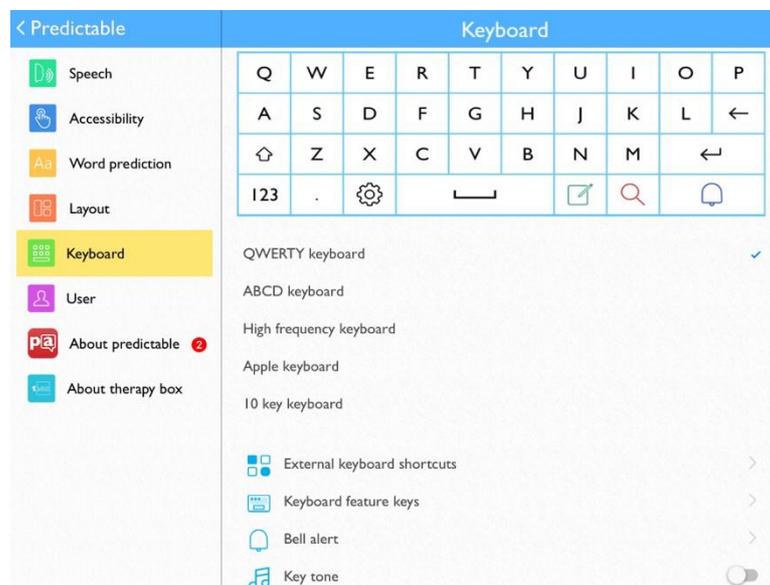
If the word prediction engine learns any new words, it will be added to self learned words. To remove any self learned words from the word prediction engine (and to stop them from re-appearing), tap Manage self learned words and tap on the word you want to remove, then tap delete). If you want to reset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

When swearwords are added into the message window, part of the word is replaced with asterisks. If you don't want this to happen, turn Unlock full dictionary to on.

9. Keyboard Settings

9.1 Choose your keyboard type

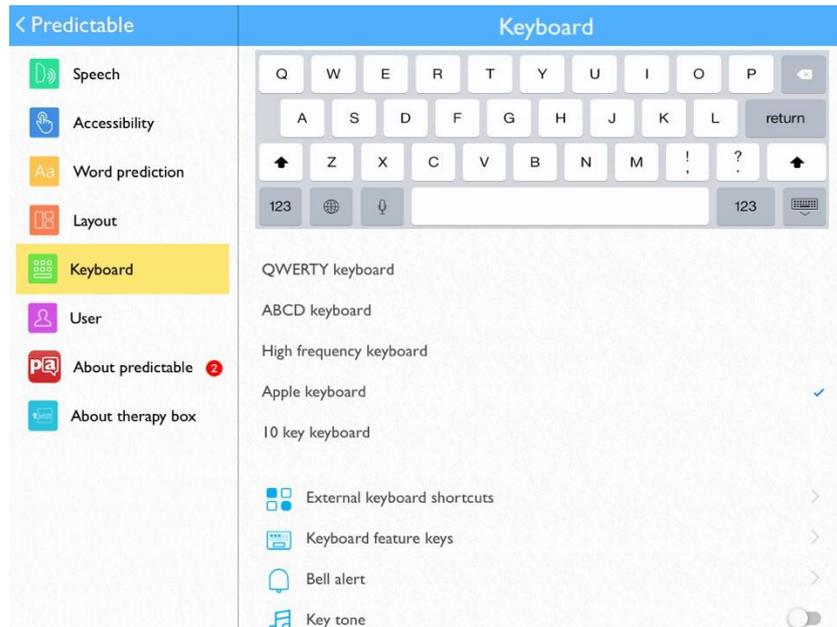
Predictable comes with a number of inbuilt keyboard options. The default is a QWERTY keyboard, but there's also an ABCD layout (Keys listed in alphabetical order), a high frequency layout (the most common letters appear first, least common letters are listed last – this can be useful for people using 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

9.2 Use the iOS keyboard or a keyboard extension

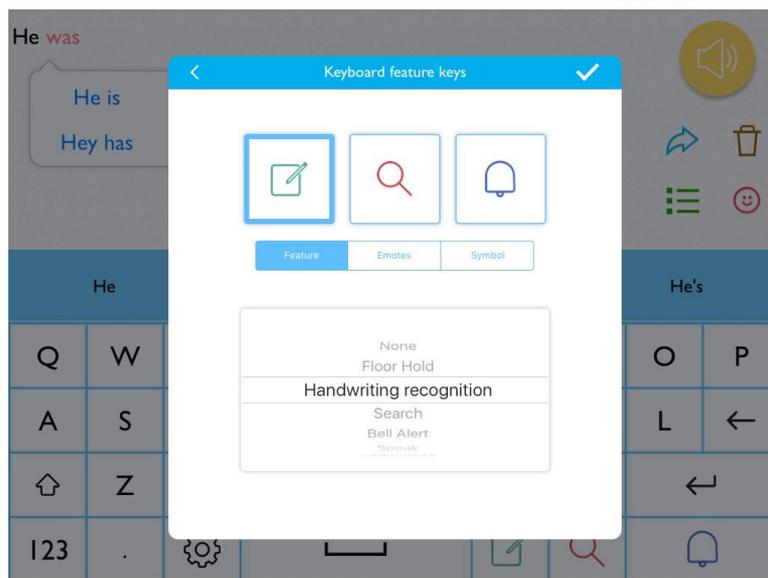
If you want to use the standard apple keyboard, or if there's an extension keyboard you like, go to Settings > Keyboard > Apple Keyboard.



A guide to setting up extension keyboards can be found here:

Use the drop keyboard button to see the settings button and your 3 chosen keyboard feature keys.

9.3 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

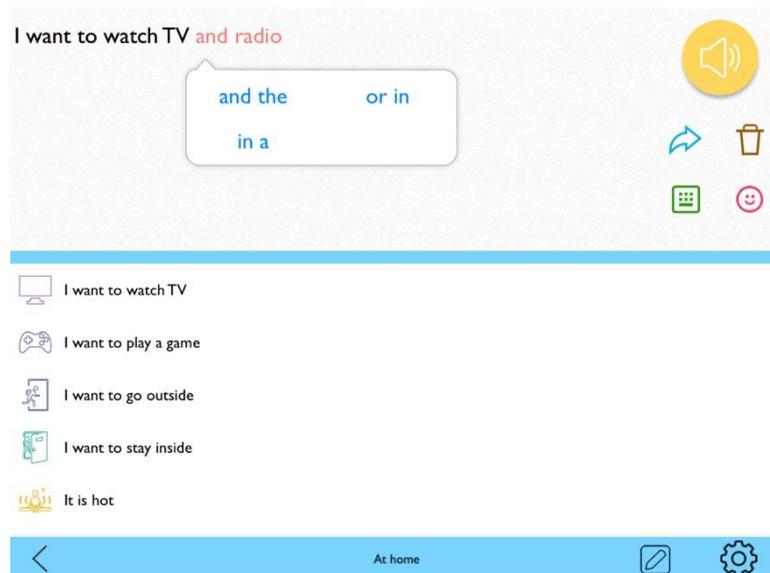
punctuation key. In previous versions, these options were fixed, but we've now made it so you can choose the features you want to be able to access through these keys.

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.

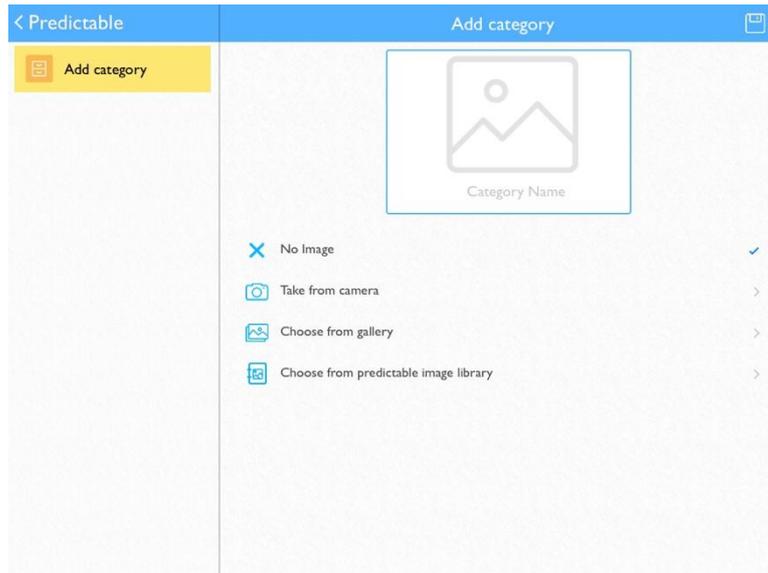
10. Getting your message across (other ways of adding text to the message window)

10.1 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.



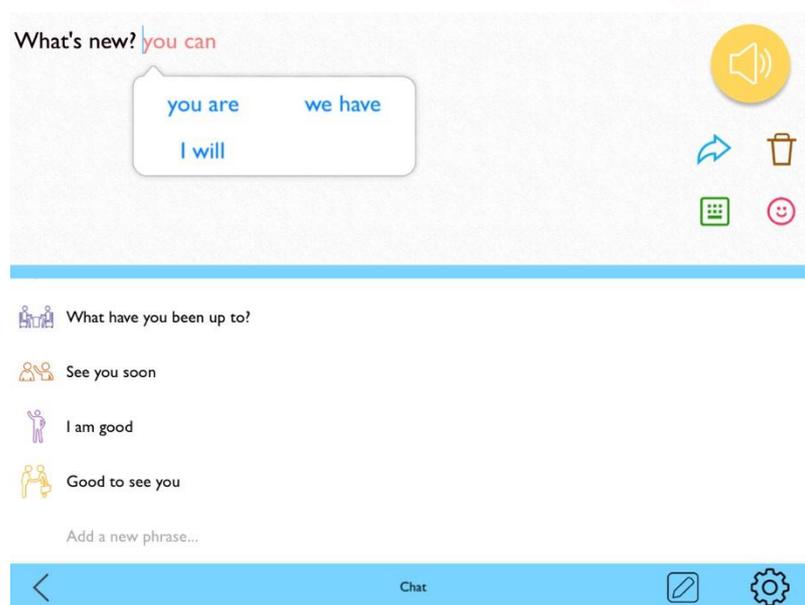
10.2 Add a Category



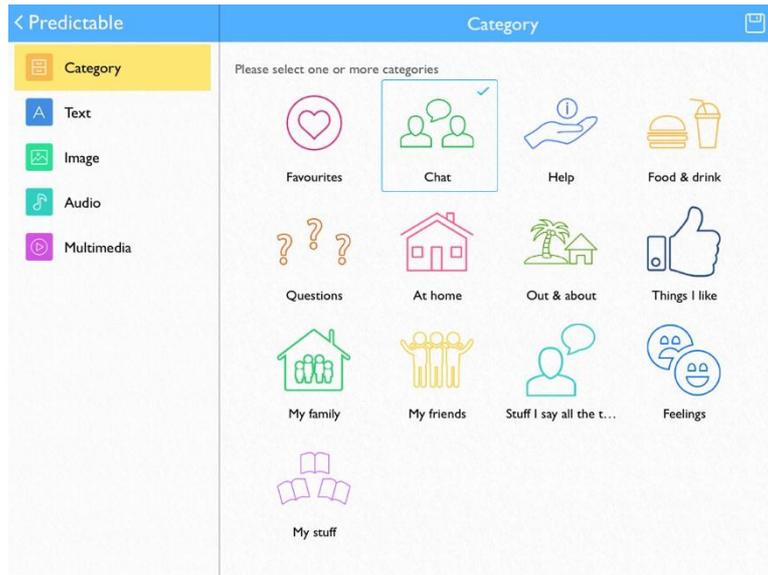
You can add a category from the categories page by tapping on the edit button, then scrolling through to the last category page. An add category button will appear behind the last category, tap on this. Your category does not need to have an image, but you need to give it a unique name.

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).

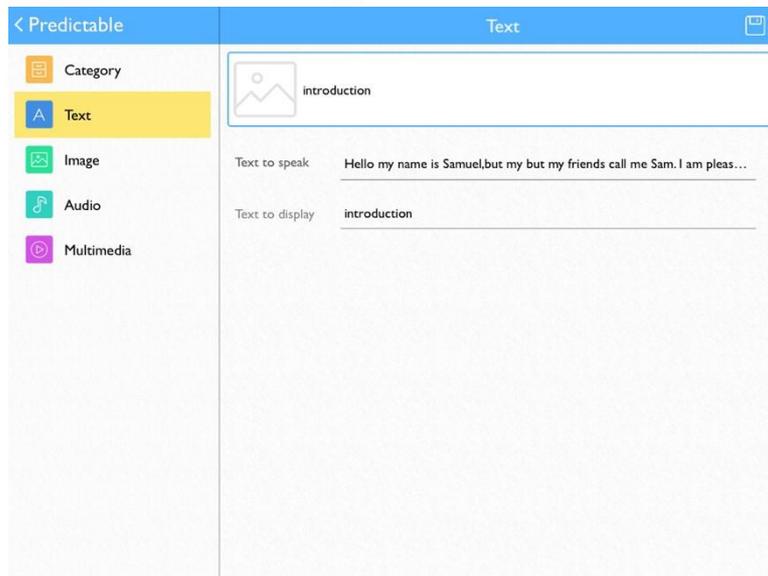
10.3 Add a Phrase



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”.

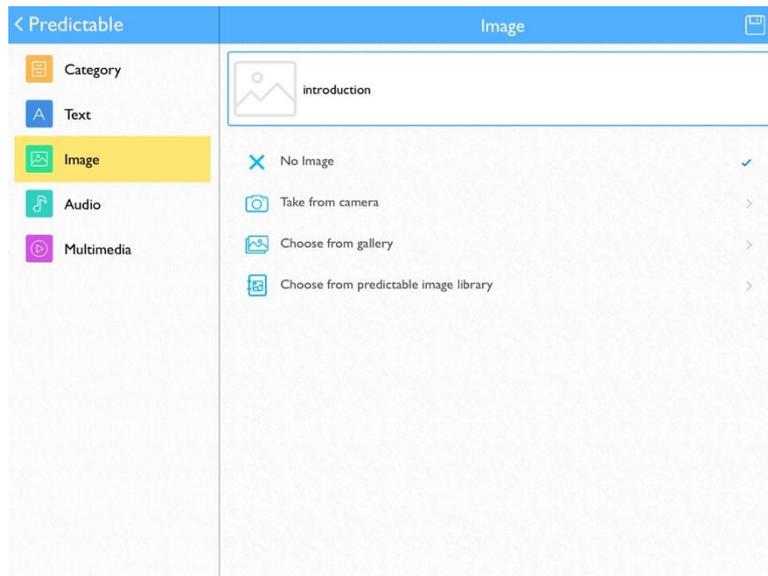
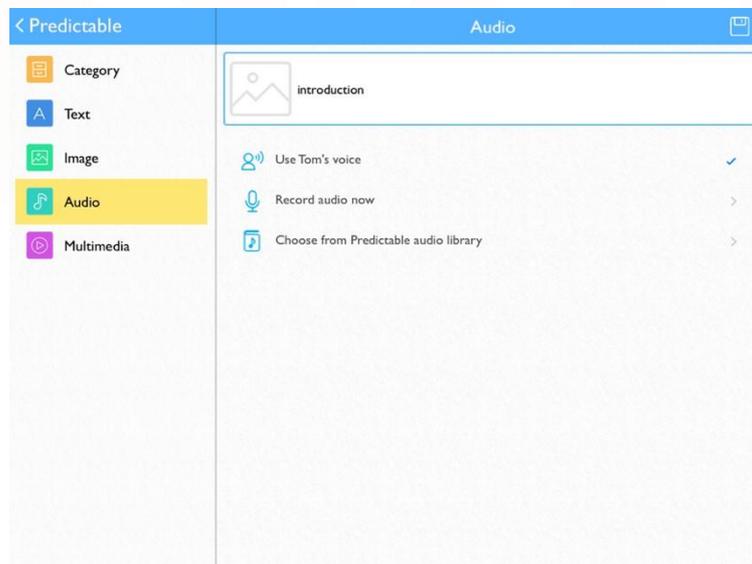


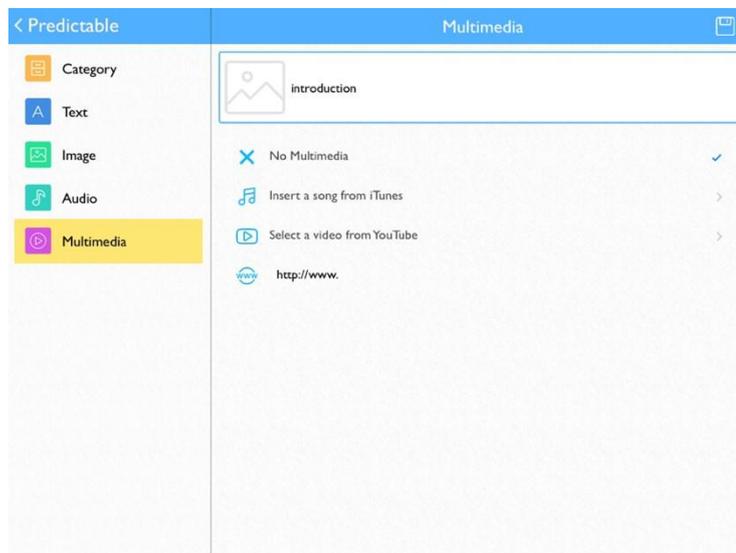
Image: You can add an image to your phrase. The image won't go into the message window, but will appear next to the text label in the phrase list and can serve as an easy visual prompt. This option is not required, if you don't want an image, you don't need to use one. You can take a photo, use an image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



Audio: If you 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.

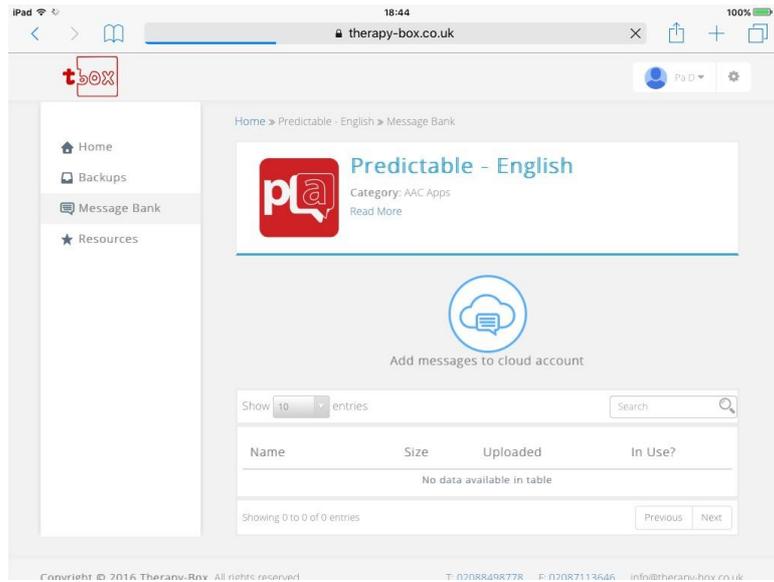
If you've banked messages using a different recording method, go to Message banking. You will need to be connected to WiFi to add a banked message as it requires access to your user account (more information on user accounts under the heading Users & Backups).



Multimedia: if you have songs saved to iTunes on your iPad, you can add them to play from within predictable here. If you have a wifi 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.

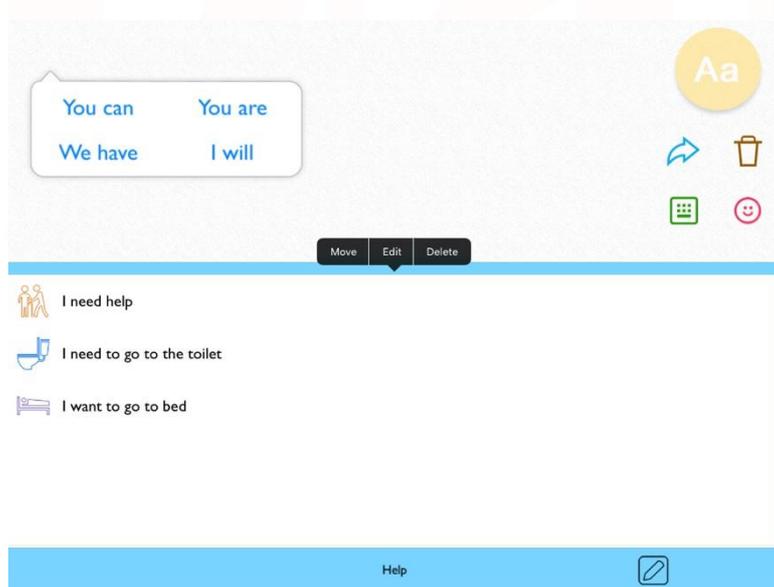
11. Message banking with your user account

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 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.

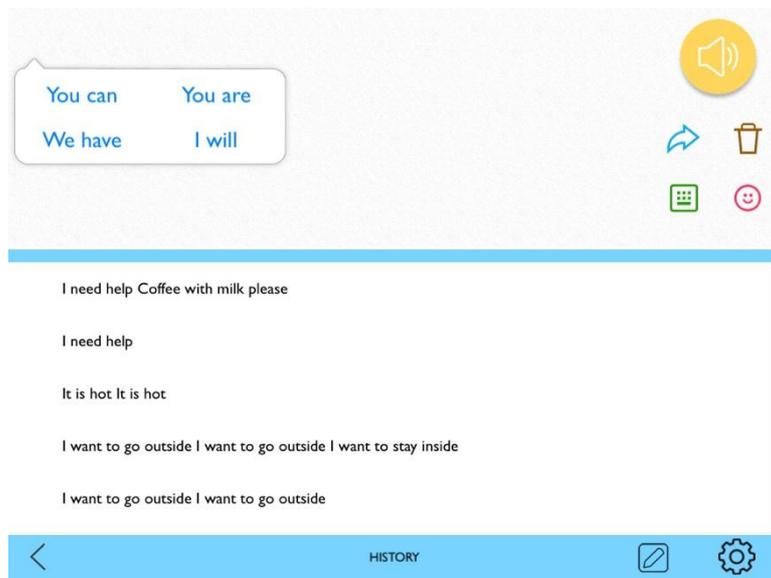


12. Editing a phrase

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.

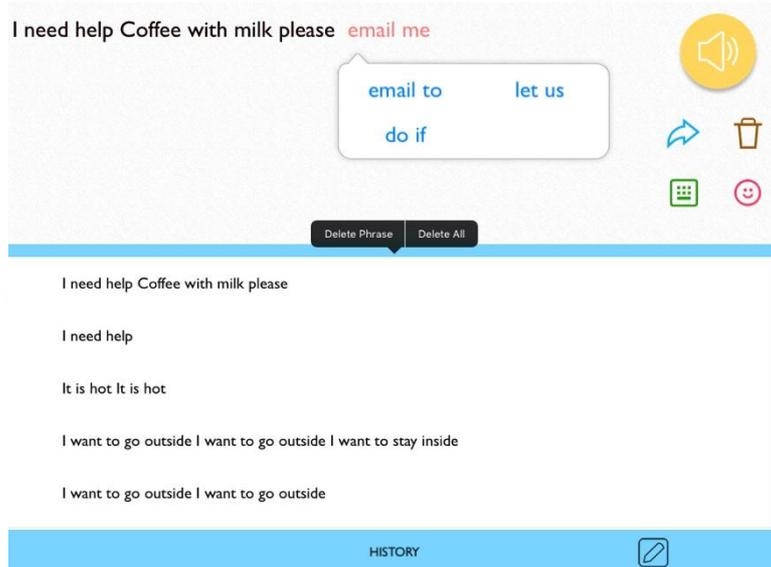


13. History



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.

13.1 Clearing History

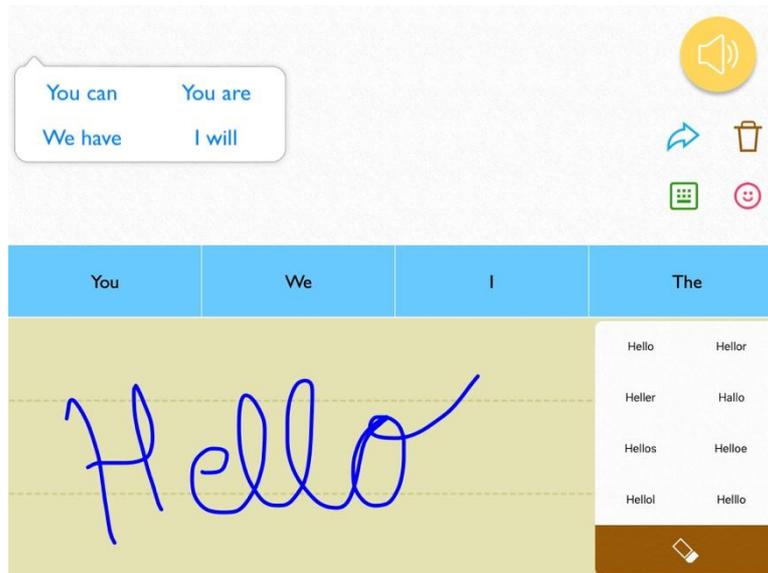


With the history page open, tap on the edit button. Tap on the phrase you wish to delete. You will be given 2 options: delete this phrase & delete all.

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.

14. Handwriting tool

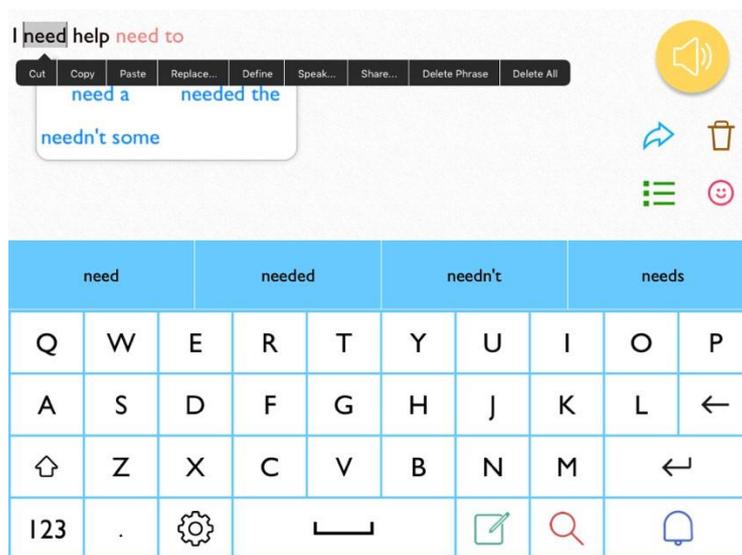
NB: The new handwriting tool requires internet access to function



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 a set of possibilities in the box on the right hand side. Tap on the correct word 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.

15. 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).



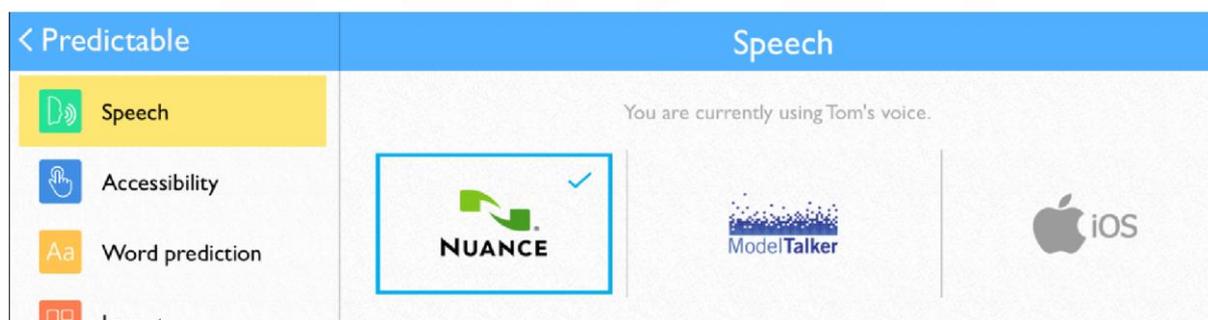
Paste: copy text from another app. Enter Predictable, tap on use, then paste. The text will appear in the message window.

16. 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. Users can choose from 24 Nuance voices, Apple's range of iOS voices, or custom ModelTalker voices. Emotion sounds are available for all voices, and in Predictable 5 you can even create your own custom emotes.

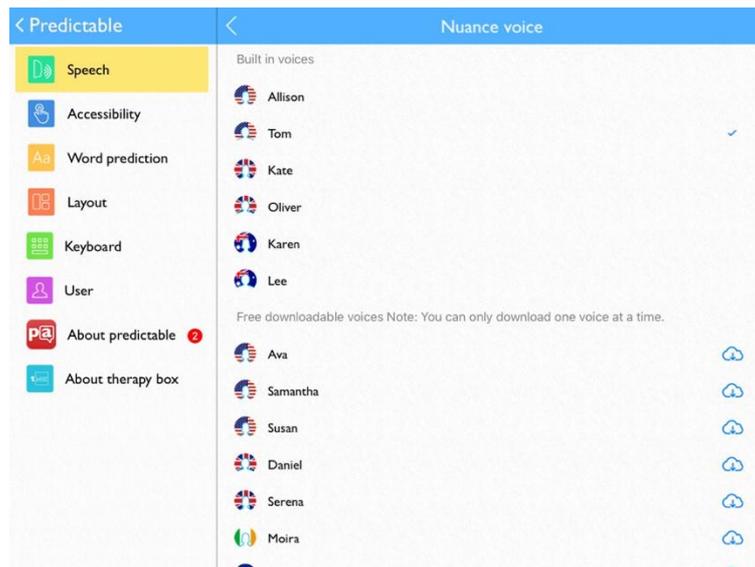
To find the voice which suits you best, go into Settings, and tap on Speech (the first option on the left hand side). Tap on the type of voice you wish to try out (Nuance, ModelTalker, iOS).

16.1 Choosing your voice



16.2 Nuance Voice

Some Nuance voices are pre-downloaded, those that aren't are free to use, but will require downloading and installing.

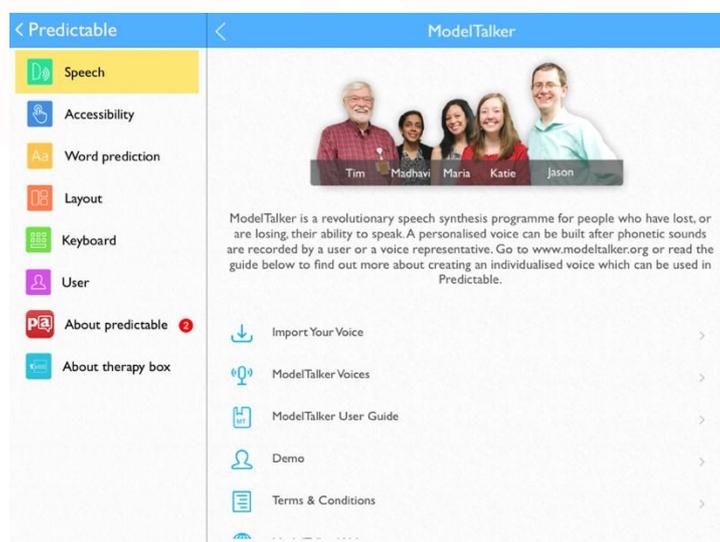


If you want to use one of the built in voices, tap on it to make a selection. A short preview of the voice will play. If you want to use a downloadable voice, tap on the name of the voice to hear a short preview and – if you like it – tap on the cloud download icon to its right.

Press the back button to re-enter the main speech settings and use the sliders to change the speed & pitch at which the voice speaks.

16.3 ModelTalker

Some pre-made ModelTalker voices are available at no extra cost, but you may wish to make your own voice at www.modeltalker.org and install that into your app.



To select a pre-made voice, choose ModelTalker voices. Tap on a voice to hear a short preview and, if you like it, tap on the cloud download icon to its right.

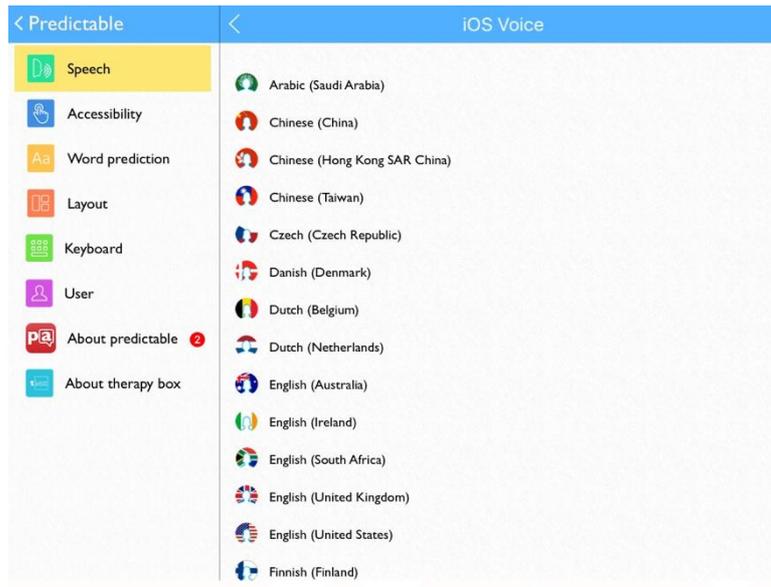
You can install your own ModelTalker voice by tapping on “Import your voice”. You will be asked to enter a username & password (this is the same username and password you set up on the ModelTalker website to create your account). The voice will automatically start downloading and will lock the screen, you should not leave the app while the voice is

downloading. Once the voice has finished downloading, it will ask you to give it a name, and when you do this, it will complete installation.

Press the back button to re-enter the main speech settings and use the slider to adjust the speed at which the voice speaks (it's not currently possible to change the pitch)

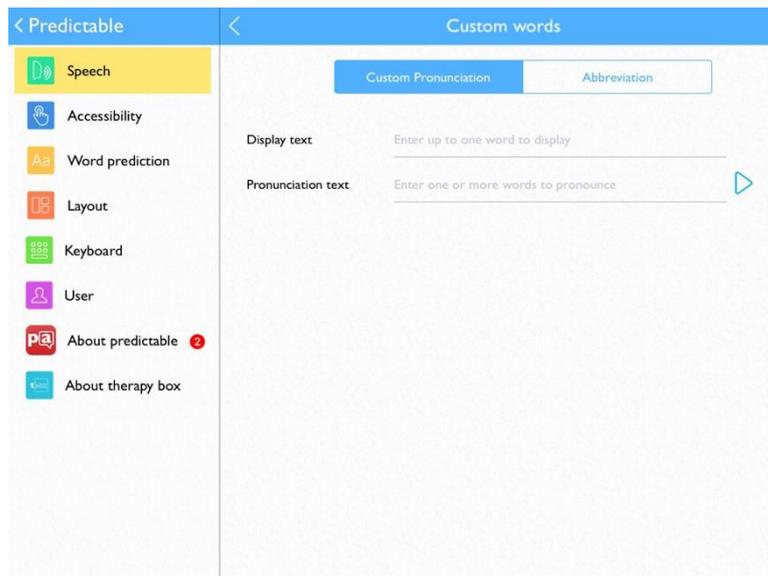
16.4 iOS

All iOS voices are ready to use. Tap on a voice to select it. A short preview will play.



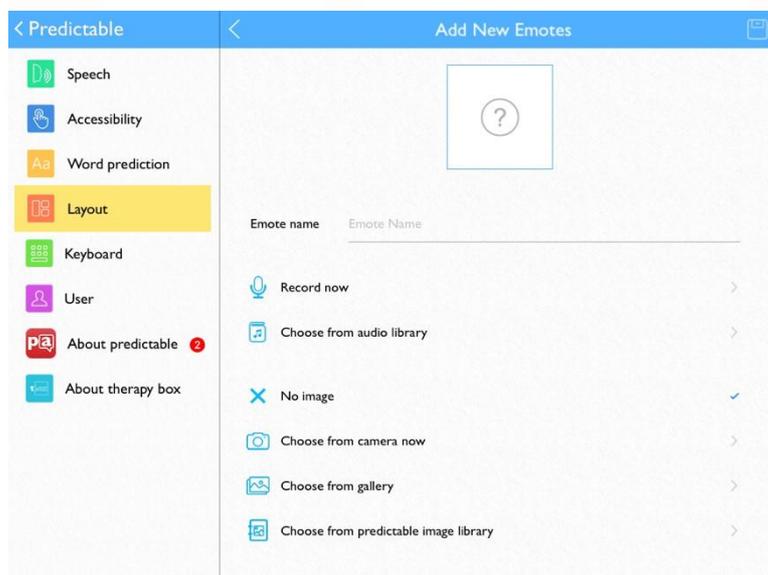
Press the back button to re-enter the main speech settings and use the sliders to change the speed & pitch at which the voice speaks.

17. 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.

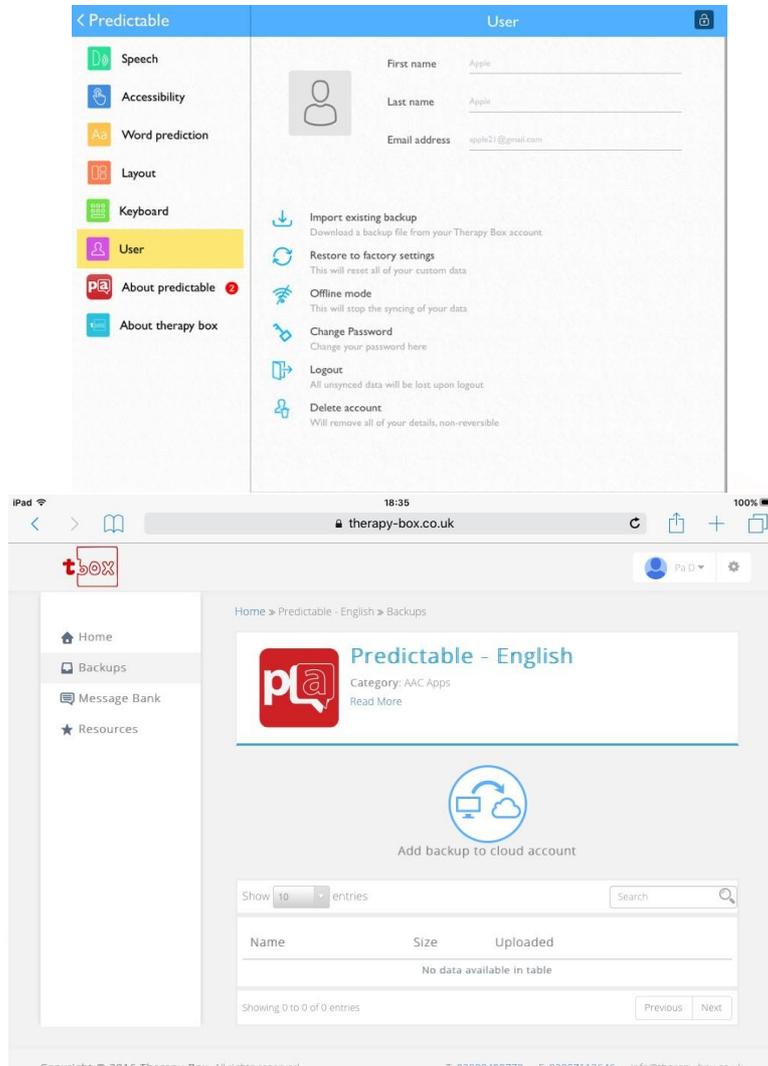
18. Custom Emotes



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

19.Users & Backups

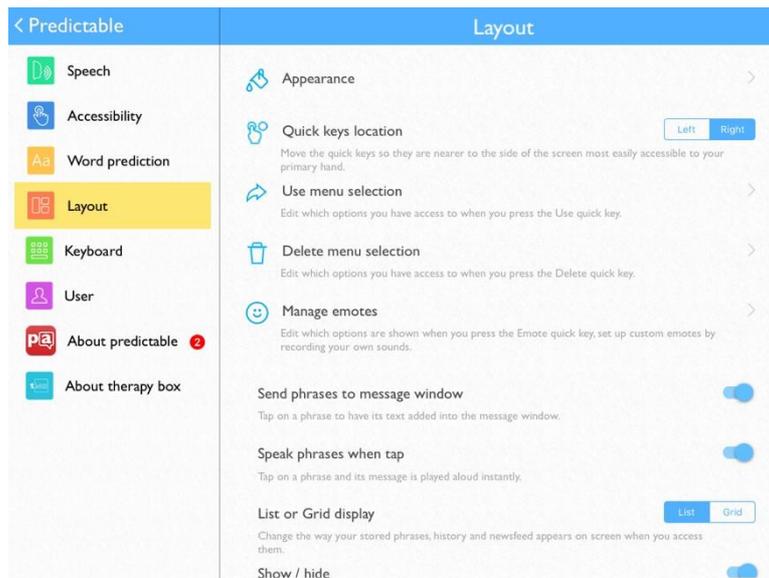
Login with username and password to any device and the app will automatically sync. If you have skipped login, you will have to create one to see this window. More info required here...



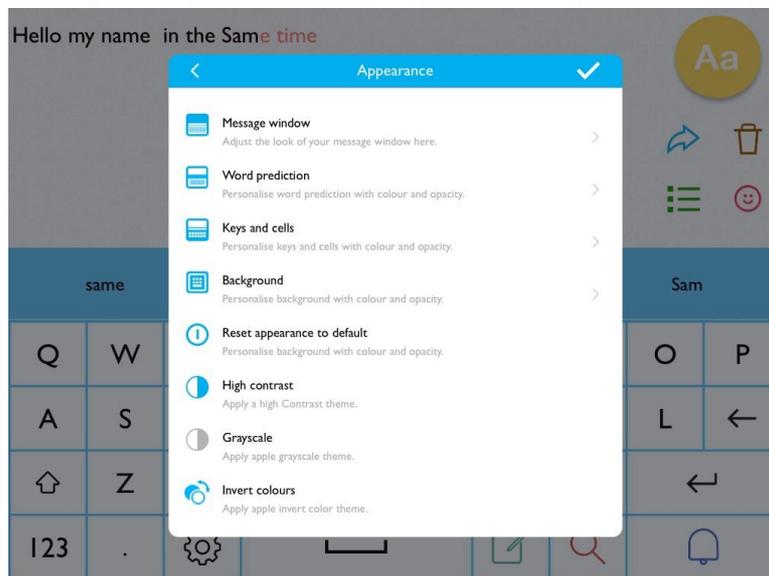
20.Change the app's appearance

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.

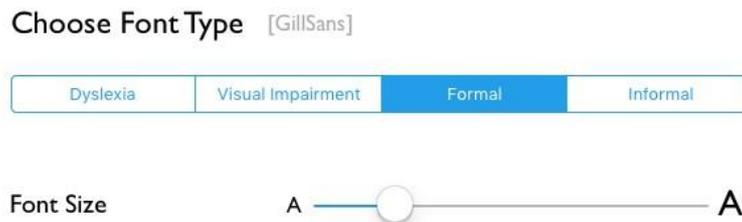
21 Fonts



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.

21.2 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.

Apple have also set up their own colour theme options for the entire iPad. We've built in quick links to the apple settings for a Grayscale iPad, and to invert your iPads colours. Go to Settings > Layout > Appearance to take advantage of these.

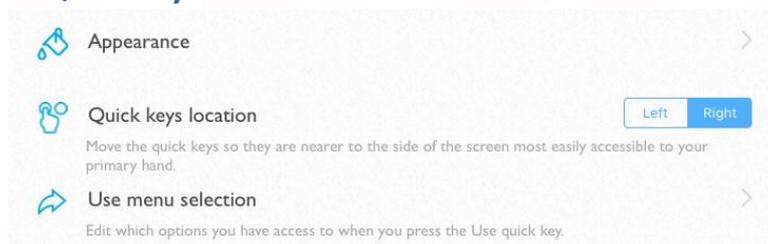
21.3 Reset to default

- 
Reset appearance to default
 Personalise background with colour and opacity.
- 
High contrast
 Apply a high Contrast theme.
- 
Grayscale
 Apply apple grayscale theme.
- 
Invert colours
 Apply apple invert color theme.

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.

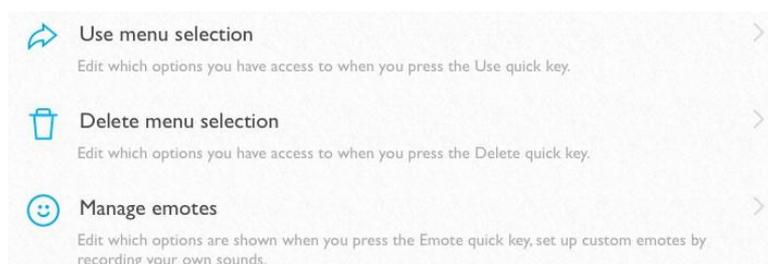
22. Other Settings

22.1 Left Handed Quick Keys



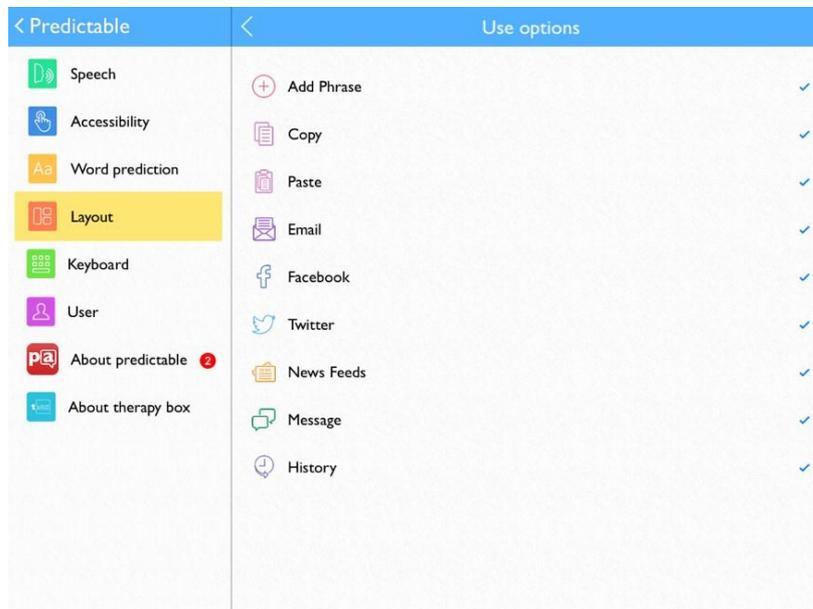
If you're left handed you may prefer the app's quick keys and speak button to be on the left. Go to Settings > Layout & next to Quick Keys Location, choose left.

23. Managing Quick keys



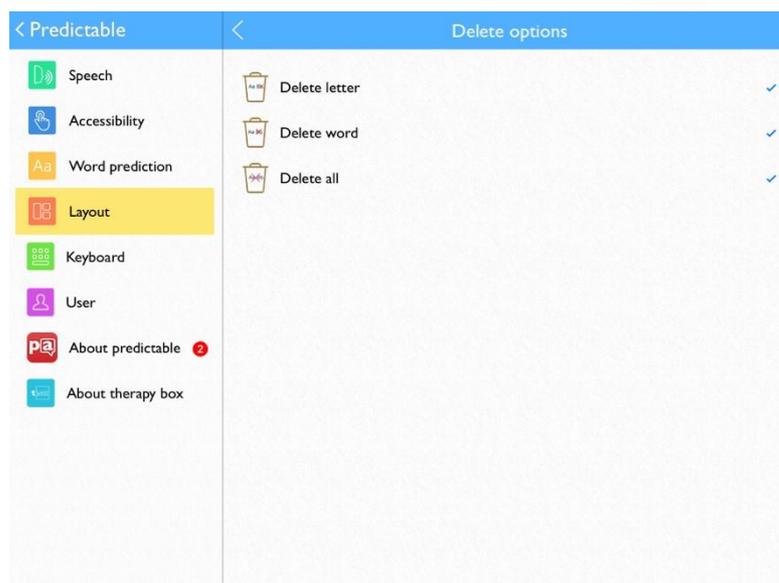
23.1 Use keys

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.



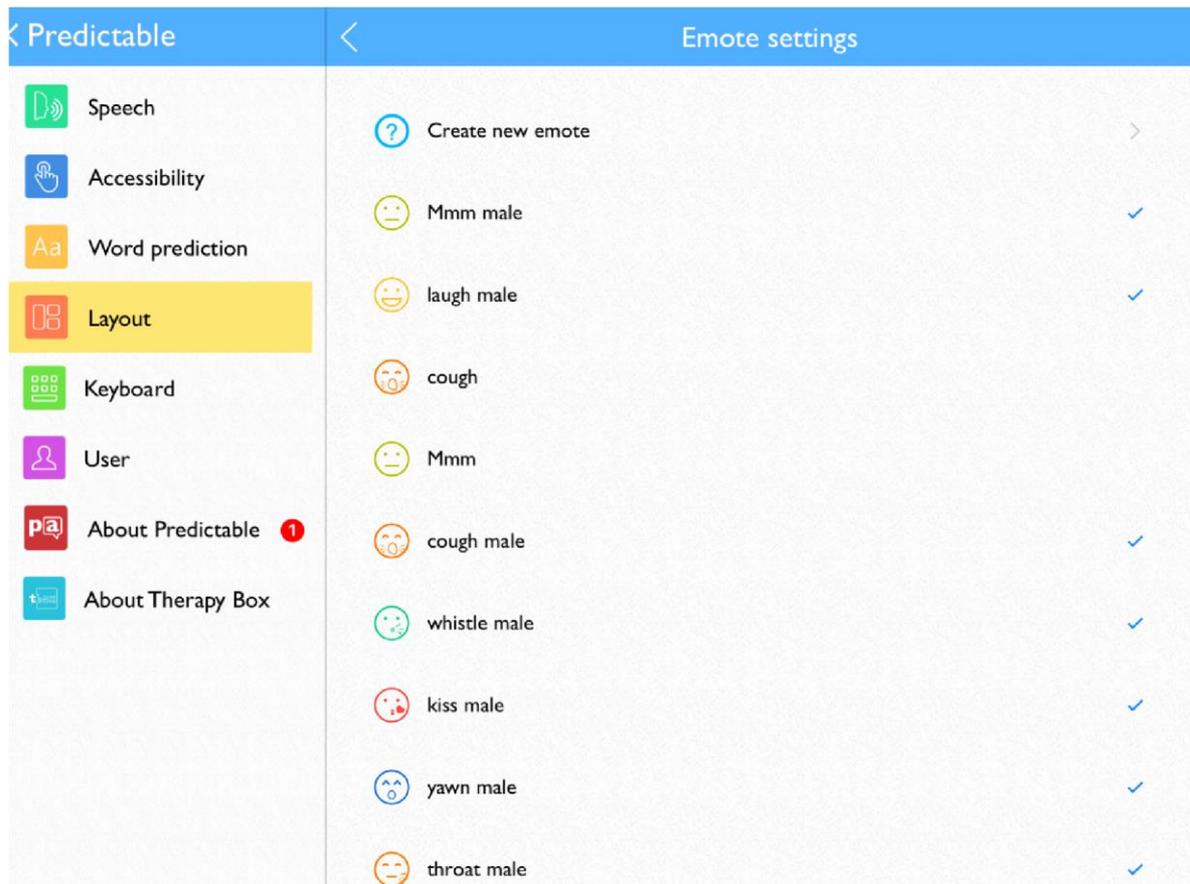
You can change the news provider that shows in your Newsfeed by going to Settings > Layout and scrolling to News Feed.

23.2 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.

23.3 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.

26. 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.