

ZyGoMobile with Grid Mobile 2 User Manual

ZYGO-USA
48834 Kato Road, Suite 101-A
Fremont, CA 94538 U.S.A.
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1 General Description

The **ZyGoMobile**[®] is a new, rugged voice communication tablet intended for audible communication for individuals unable to use their natural voice. It is designed for use by an individual to use symbols, pictures, and text to input using the touch screen, any USB input, or switch scanning to produce words, phrases, and sentences to be spoken in clear, loud, natural-sounding speech.



Dedicated Speech Generating Device

The **ZyGoMobile** is a dedicated speech generating device (SGD) that is the perfect size, with a vivid, outdoor viewable display and loud, sharp volume so you have no problem being heard anywhere you go. The instant-on feature allows the user to jump into any conversation right away.

Sophisticated Simplicity

Featuring **Grid Mobile** with Widgit Literacy

Symbols, and Acapela speech, the **ZyGoMobile** is a combination of sophisticated abilities with simple editing, great graphics, and loud, understandable voices.

Customize Content with Ease

This is one of the easiest devices to add and change vocabulary on the fly. You can create new pages, alter the number of buttons on a page, find representative symbols with text prompts, or use letters and words, change cell colors and spacing globally or individually, plus much more.

It is very easy for an assistant, spouse, parent, or clinician to create and edit vocabulary pages on a PC and transfer content to the **ZyGoMobile** without having to take the device away from its user. Just add a copy of **The Grid 2** for your Windows PC and take advantage of all the free grids found at the Sensory Software Online Grids web site, cloud storage for maintaining a common version across multiple editors, and the ability to create and modify the User vocabulary pages and grid sets on your time on your own PC.

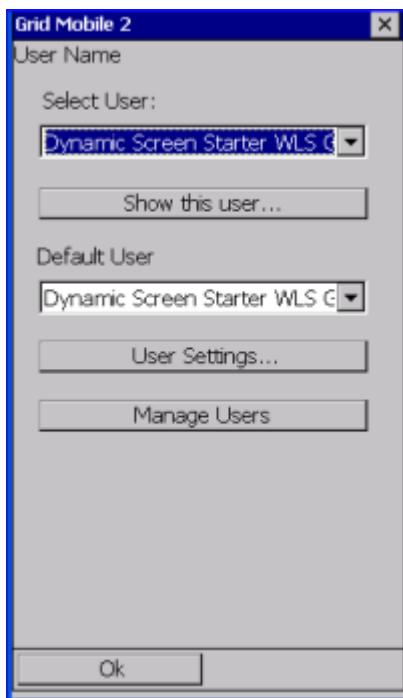
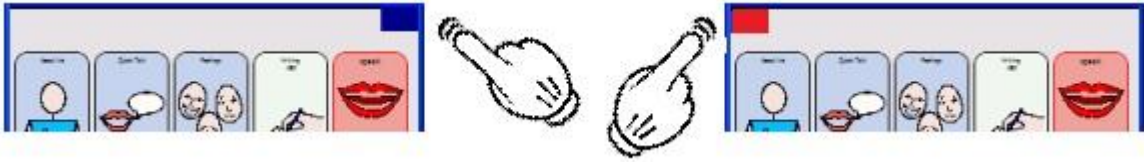
Features:

- Instant-on “Touch ‘n Talk”—initial boot-up or reboot < 40 seconds
- Edit pages directly on the device, or on a PC and transfer pages to the device later
- Start with symbols or pictures, then move to a complete text-to-speech system
- Word prediction from dictionaries and wordlists
- Input via touch screen, scanning, auditory scanning, head pointer, or USB keyboard
- Long battery life

2 Quick Start Guide

The Grid Mobile software will automatically start and load the default User's 'home page'.

To gain access to the main menu, click first on the small blue square in the upper right corner of the screen, then on the small red square in the upper left corner.



To change user, select **Change User** and select a user from the drop down box.

A number of sample users have been included to make it easier for you to get started.

See section 7 – Sample Users

Select **Show this User** and your User pages will load.

The Grid2 Mobile has the ability to show users grids in portrait...

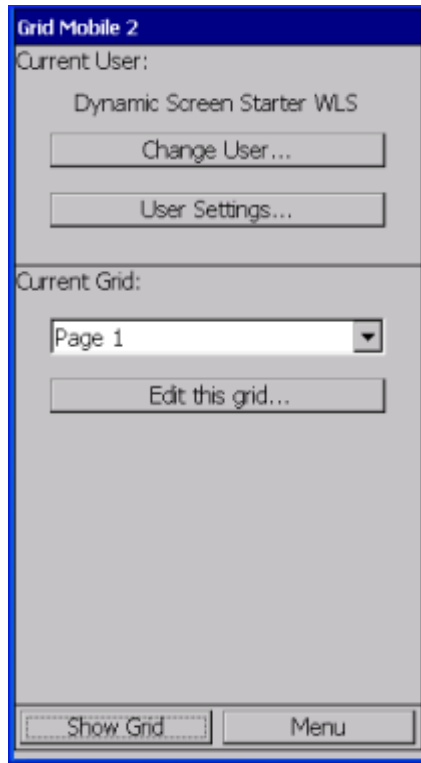
...or in landscape.

See section 5.1 User Settings - Appearance



3 Navigating the Main Menu

After entering the main menu by selecting the small blue and red squares in the corners of the screen, you have these options:



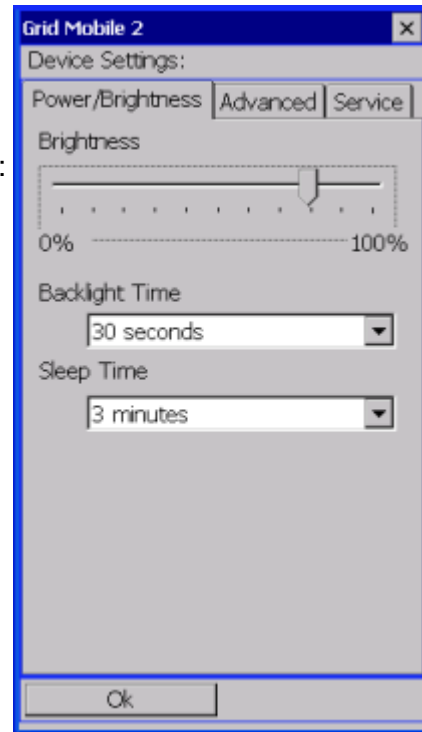
- **Change User** will allow you to choose a User (vocabulary page set) from the options available. You can also select the **Default User** which will load at start up. See section 8 – Change & Manage Users
- **User Settings** allows you to change characteristics for an User vocabulary set (appearance, speech, access, etc.). See section 5 - User Settings
- **Current Grid** is a drop down box from which you can select a page to show or edit.
- **Edit this grid** opens the selected page so you can edit cells and settings on that Current Grid. See section 4 - Editing Grids and Cells
- **Show Grid** takes you into the current User vocabulary pages on the Current Grid selected in the drop down menu.
- **Menu** gives you the option to quit the Grid Mobile 2 program and return to the desktop, view an 'about' screen, or edit Device Settings and Service information. See section 3.1 below.

3.1 Device Settings

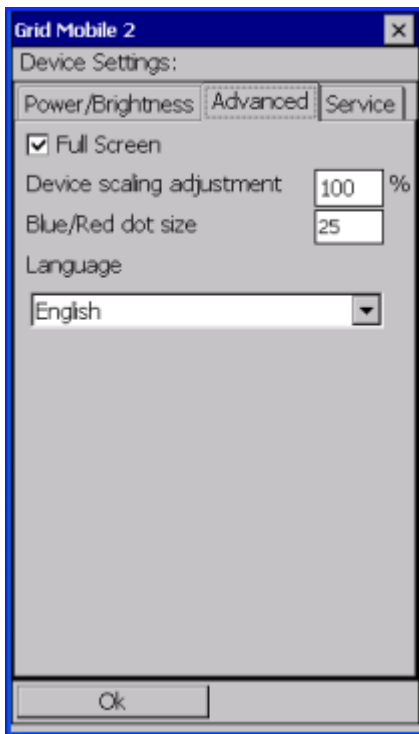
From the main menu, select the **Menu** button, and Device Settings... This menu has three tabs as below: Power/Brightness, Advanced, and Service.

3.1.1 Power/Brightness

- Slider control for screen **Brightness**
- Dropdown box for **Backlight Time** — which turns the backlight off after a specified length of inactivity
- Dropdown box for **Sleep Time** — which turns the device off after a specified length of inactivity.
- The device may need to be turned on again using the Mode (on/off) button after it has gone to 'sleep'.
NOTE: try tapping the screen to wake the User first.



3.1.2 Advanced Settings



Full Screen check box

- **Unchecked**
the menu bar will always be visible across the top of the screen. You can use the Windows X to close the pages and return to the main menu.
- **Checked**
the blue square will be visible at the top right corner of the screen. You can tap the blue square then the red square to get into the main menu.

Device scaling adjustment

will globally change the font size of the text prompt displayed in the each cell.

Blue/Red dot size

adjust the size of the blue and red boxes used to return to the main menu.

Language

choose from available languages by selecting in the drop down box.

3.1.3 Service (including Screen and Battery Calibration)

Selecting the [Calibrate Screen](#) button will pop up the Stylus Properties dialog box.

Double-Tap tab

- [Checkerboard](#)
Double-tap the checkerboard icon to set the double-tap sensitivity for both the speed and physical distance between taps.
- [Movie scene clapper](#)
Double-tap the movie scene icon to test the double-tap settings. If this icon doesn't change, adjust your settings using the double-tap checkerboard.

Calibration tab

If the screen is not responding properly to your taps, you may need to recalibrate the screen. Select the [Recalibrate](#) button, then use a stylus pen to tap (and hold shortly) on each of the five cross targets, one at a time. Double-tap the screen, or press <enter> on an externally connected keyboard to accept the changes.

Click OK or click on the Windows X to close the [Calibration](#) tab.

NOTE: Power Properties can be found in the Control Panel of the device, not on the Calibration tab here.

To calibrate the battery, use the device until the batteries are run down completely flat (the device will switch off at this point, even if in use), and then recharge the batteries fully. This will ensure the on-screen battery monitor accurately reflects the current battery charge.

Service Code tab

The [Service Code](#) tab contains the Service code for your communication aid. You may be asked to provide this to our Customer Service department for support issues.

4 Editing Grids and Cells

If you wish to edit a particular vocabulary page (grid) within a User, tap the small blue and red squares in the corners of the screen to go to the main menu. Select the grid (page) you wish to edit from the **Current Grid** drop down box, and click the **Edit This Grid** button to open in edit mode.

Menu button options on page edit:

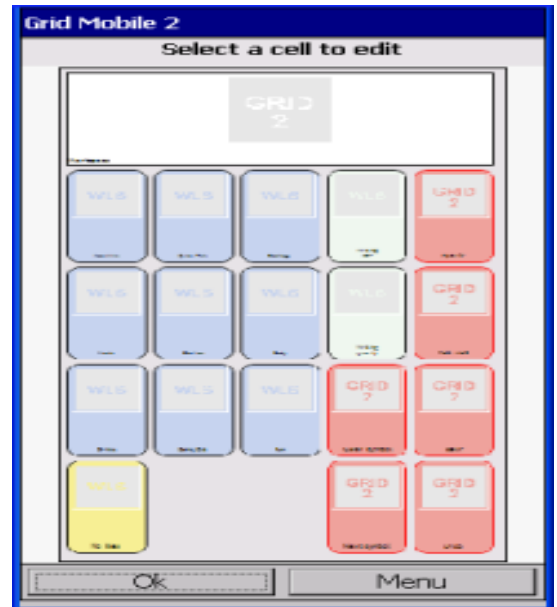
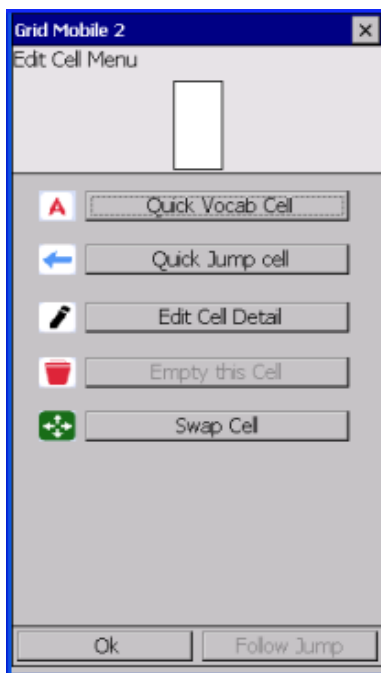
Select **Edit Grid Settings** to change settings for the entire grid (page). See section 5 below.

Select **Edit Wordlist** to add or delete words that this grid uses.

See section 5.1 below.

Select **Set as Home Grid** to set this Current Grid as your Home Page.

See section 5.2 below.



Once you have selected the Current Grid to Edit, simply tap the cell you wish to edit to bring up the **Edit Cell Menu** for that particular cell.

Quick Vocab Cell. This cell will speak a message when selected. Click on Quick Vocab Cell, type the **Caption** that will act as the text prompt on the cell as well as the spoken message. Then click on **Choose Picture** and select a symbol to represent the message. Click OK when done.

Quick Jump Cell. This cell will branch to the grid (page) specified in this setup. Click on Quick Jump Cell, select one of the existing grids to jump to, or click Add new grid... to create a new page. Click Create Jump to finalize cell.

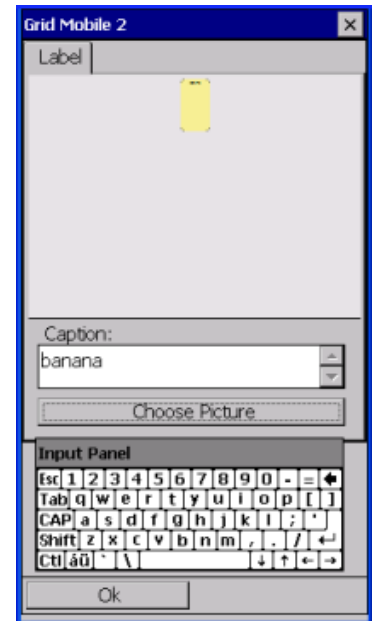
If the cell is not empty, the **Quick Vocab Cell** and **Quick Jump Cell** options will be grayed out. However, you can still edit these cells by clicking on **Edit Cell Detail** or clearing the cell to start with an empty cell.

If the cell is a jump cell, the **Follow Jump** option is available at the bottom right of the screen. Select this option to jump to the corresponding grid without exiting editing mode.

4.1 Quick Vocab Cell

This option appears for an empty cell, and is a quick way to add some vocabulary to the cell (as the name suggests!).

Enter the text for this cell in the box marked **Caption**. This text will be spoken when the cell is selected. Select **Choose Picture** to add a symbol or picture to the cell to represent the message.



4.1.1 Changing the Picture



The software will automatically search for an appropriate picture. However, you may wish to search for your own. To do this, enter a search term into the search box, and select the **Magnifying Glass**.

There are options to choose which symbol library you wish to search. SymbolStix and Widgit Literacy Symbols are included as standard, but you can also use Mayer Johnson PCS. Select the symbol sets to use in the Choose Picture **Options** list by putting a check mark next to the symbol set listing.

If you prefer to use a digital picture you can Browse for an image that you have put on the device. Select **Browse** from the Choose Picture **Options** menu, and use the file manager to go to the location where images are stored, and choose the picture file to use on the cell. Grid Mobile can show any image with the file extension **.bmp**, **.jpg** or **.png**.

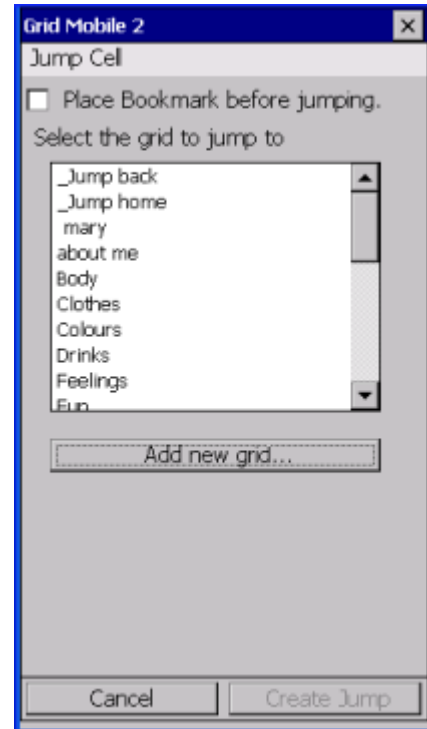
4.2 Quick Jump cell

The advantage of a dynamic display communication system is the ability to branch from page to page quickly. The **Quick Jump cell** button is a quick way to add a command to the cell to cause you to jump to another grid when the cell is selected.

From the **Jump cell** dialog box, select which grid you wish to jump to, and then select **Create Jump**.

Alternatively, you can create a new grid to jump to, by selecting **Add New Grid**. Type the name of your new grid, and select **Create Jump**.

Whether you are jumping to an existing grid or a new grid, there is the option to **Bookmark** the grid. See section 4.3.3 **Commands** for more information about bookmarking grids.



4.3 Edit Cell Detail

Using this option you can make a cell do much more than a simple vocabulary or jump cell. There are options to change the style and size of your cell. You can also add a range of commands, including the Jump To and Text commands, or make an auto-content cell. See Section 4.3.4 **Auto**.

4.3.1 Label



Within the **Label** tab, it is possible to edit the picture and the caption that appears on the cell.

Occasionally, you may wish to display a text prompt on the cell, but have the cell speak a phrase or an entire sentence when selected. On the **Commands** tab (see Section 4.3.3) Add a new command or Edit the existing text command, so that the correct text will be spoken, then go to the **Label** tab and set the caption for the cell. The caption is the wording shown in the cell and the text is what is spoken out loud when the cell is selected. This corresponds to the functions of Cell Text and Text Command in The Grid 2.

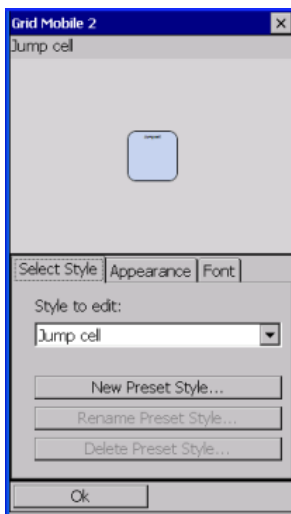
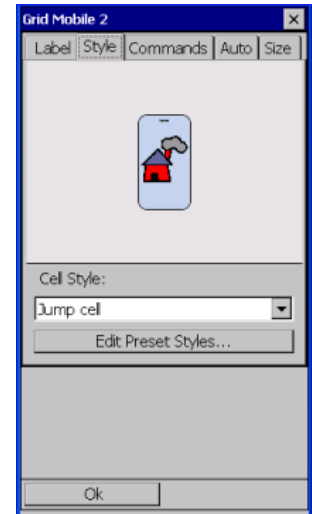
During editing, the on-screen keyboard can be moved to anywhere on the screen by dragging it to the desired position.

4.3.2 Style

Grid Mobile 2 uses styles to ensure cells have consistent formatting and appearance. This is very important for the users as it means they can quickly identify the type of cell they are selecting. If you are familiar with styles in Microsoft Word, this is a similar system.

To change the style of a cell, select the cell and choose **Edit Cell Detail**, then the **Style** tab.

When editing a cell, you can choose to give it a preset style. There are some preset styles that are always available, such as a Vocab Cell and a Jump Cell. These are listed in the drop down list of styles. Alternatively you can also add your own preset styles.

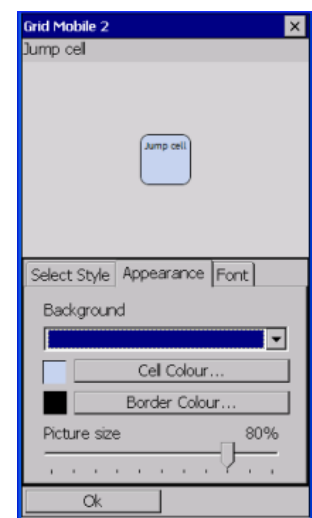


When you **Edit a preset Style**, you will change all cells that have been assigned that style in the current User. For example, if you change the background color of the Vocab Cell preset style, the background color of all Vocab cells will change.

Alternatively, you can choose to specify the style for a cell individually, by selecting choose **Individual Style** from the drop down list of styles. This makes the cell unique, so it will not be affected by changes to the global preset style change.

The **Appearance** tab allows you to change the shape of the cell. You can also change the background and border color of the cell. Adjust the **Picture Size** slider bar to change the size of the picture in relation to the cell. For example, you may only need a small symbol that only takes up 50% of the cell, or you may have no text at all and want the picture to take up the entire space of the cell.

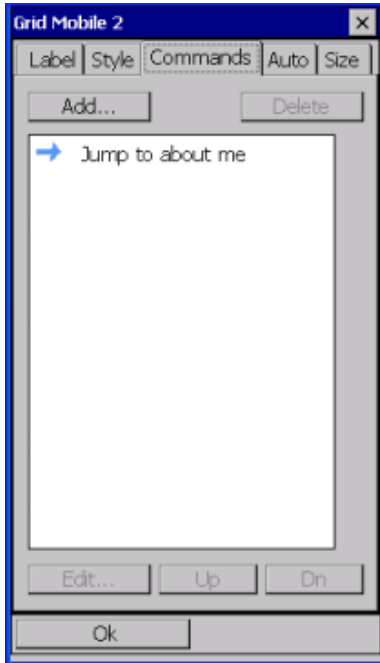
This adjustable picture size feature is particularly useful while going through **stages of literacy development**. During early phases the user relies more heavily on symbols or pictures to represent the vocabulary, with a text prompt on each cell to introduce letters and words. As the user becomes more familiar with letters and words, the size of the symbols can be made smaller, placing more emphasis on the written text.



The **Font** tab allows you to select which font is used to display text on the cell, the font style, font size, and the font color.

4.3.3 Commands

Commands are used in Grid Mobile 2 to define which actions take place when you select that cell. Select **Edit Cell Detail** and the **Commands** tab and **Add** then **Select a Command** pull down menu for a full list of available commands.



The most commonly used commands are those for Vocab Cells and Jump Cells. For example, this screenshot displays a **Jump** command to the grid **about me**. When you use the **Quick Jump Cell** and **Quick Vocab Cell** options, they automatically use and set up these commands for you.

To add a command to a cell, select the **Add** button.

There are many other commands that you can add to a cell, and these are listed below. When selecting a command in Grid Mobile 2, the list of commands is organized alphabetically.

If you are using The Grid 2 to create or modify a grid set for Grid Mobile, choose the Grid Mobile category for Compatibility Mode. This will prevent you from using any commands that aren't available in Grid Mobile 2.

4.3.3.1 Core Commands (not the complete list of commands)

- **Change user**
Allows you to switch to a different User grid set.
- **Default workspace**
Changes the workspace to the default start workspace type, selected in User Settings.
- **Text Chat workspace**
Sets the workspace type so that text is sent from the cell to the sentence bar.
- **Text Chat + Messages workspace**
Text appears in the workspace, but saved messages are also visible and selectable.
- **Jump back**
Branches to the previous grid (page).
- **Jump home**
Branches to the Start Page for this User.

- **Jump to**
Jump to a named grid. Choose from the list of existing grids, or create a new page.
- **Text**
Used for vocabulary cells, text entered here will be spoken and/or sent to the workspace (sentence bar) when the cell is selected.
- **Set volume**
Specify a value for the volume of the speech.
- **Mute**
Mute the public speech (silent). Select the cell again to toggle sound back on.
- **Volume up**
Increase the speech volume by 10%.
- **Volume down**
Decrease the speech volume by 10%.
- **My Settings Workspace**
Activate the My Settings Workspace. This displays information about your device including, battery life and speech volume.

4.3.3.2 Actions

- **Clear**
Empties the contents of the workspace, usually meaning clear the sentence bar.
- **Delete word**
Delete the last word in the workspace.
- **Speak**
Speak the text, phrase, or sentence that is displayed in the workspace.
- **Speak now**
Speak a selection of text specific to the cell upon selection of that cell. Does not speak the text in the workspace. May speak without sending text to the workspace.
- **Speak sentence**
Speaks the current sentence displayed in the workspace (sentence bar).
- **Speak word**
Speaks the current word.
- **Stop speaking**
Stops the speech mid-sentence.
- **Undo delete**
Undo a 'Clear' or 'Delete word' command. Reenters the text to the workspace.
- **Clear Suggestion**
Clears the suggestion for autocomplete prediction.

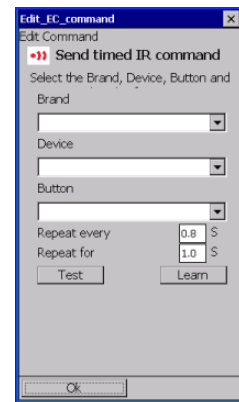
- **Next Suggestion**
Display the next suggestion for autocomplete prediction.
- **Caps Lock**
Locks the keyboard to type all capitals. Cells with this command will change color when caps lock is on. Select cell again to toggle Caps Lock off.
- **Shift Lock**
Holds the shift key down while typing. Cells will change color when shift is locked. Select cell again to toggle Shift Lock off.
- **Clear shifts**
Release shift, control, and alt keys.
- **Exit the Grid**
Close the Grid Mobile application and return to the device desktop.

4.3.3.3 Text Chat & Messages (Workspace) Commands

- **Edit message**
Make changes to a saved message.
- **Save message**
Save a message from the workspace (sentence bar) to the saved phrase list.
- **Delete message**
Delete a message from the stored phrase list.
- **Up (message list)**
Move (the cursor) up one item in the message list. Highlights the message above.
- **Down (message list)**
Move (the cursor) down one item in the message list. Highlights the message below.

4.3.3.4 Environmental Control Commands (not currently available on the ZyGoMobile)

- **Send IR Command**
This sends a single infrared signal, e.g. TV Channel 2.
- **Send IR continuous command**
Sends an infrared command repeatedly until the next user action like touching the screen or click a switch. This is useful for TV volume etc.
- **Send timed IR command**
Sends an infrared command repeatedly for a set period of time.
- Select the command and click [Add](#) to add it to the list of commands. The environmental control editing screen will open allowing you to select the [Brand](#) and [Device](#) you want to control.



- Once you have selected those you can choose the button you want to send. If it is a timed command you can set the time it is to be repeated.
- The test button allows you to test your infrared signal after it has been recorded.
- Select the [Learn](#) button to enter the infrared [Manage Appliances](#) screen, where you can learn new infrared codes or edit existing ones.

4.3.3.5 Special Commands

Play Media File

This allows you to play a sound or music clip that is saved on the device. Select from the list of available files. Windows mobile devices will play any sound files with extension .wav.

Save Phrase

This will save the sentence in the workspace. You will also need a group of cells that are [Autocontent – Save phrases](#). See section 4.3.4 Auto (Auto Content Cells)

When using this function, select the Save Phrase cell and then an autocontent cell. The sentence in the workspace will be saved in the autocontent cell for future use and can be recalled in one selection. This works with symbols as well as text.

Bookmarks and self-closing

Bookmarks are another useful feature when jumping. You can store a bookmark at any time by adding the [Bookmark grid](#) command to the list of grid commands (go to [Edit grid settings -> Edit grid commands](#) See Section 6, Grid Settings). This places a marker on the current grid, so you will return to that grid following a [jump back](#).

This is really useful if there are sub-categories that have to be navigated in order to find the word that is required. Then you will jump to the top level where you started.

Another command [Clear bookmark](#) removes a stored bookmark so that when a [jump back](#) cell is selected it will jump to the previous grid and not the bookmarked one. Add the [clear bookmark](#) command to the [jump back](#) cell, making sure it is before the [jump back](#) command.

Cells on a [self-closing grid](#) automatically jump back to the previous grid, as soon as a cell has been selected on the self-closing grid. This is a good time saver. However, if the user wants to stay on the grid and override the self-closing function, use the [stay on self-closing grid](#) (pin) command.

Auto content

If you are using a wordlist or prediction, the [More auto content cells](#) and [Previous auto content cells](#) commands are very helpful. If you have more words than the number of cells on a page, you can use [More](#) and [Previous](#) to see more words.

See section 4.3.4 Auto (Auto content cells).

Predict this

This command puts pre-determined words into prediction cells. For example, you might choose to have a button labeled 'people' that would put "I, me, you, he, she" into the prediction cells.

There are two versions of the command for [predict this](#). The simple version has 10 slots for words and a simple yes/no option for finding pictures to go with the words.

The word list version allows you to create a word list that is put into the prediction cells. It's a bit more complex, but the payoff is that you get to select your picture for each word plus you can have more than 10 words and easily rearrange the list.

4.3.4 Auto (Auto Content Cells)

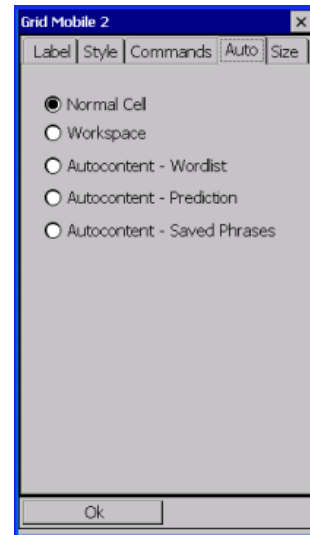
The [Auto](#) tab allows you to convert a cell to a workspace, prediction, wordlist or saved phrases cell.

The workspace consists of the cell(s) which display any text that has been selected from the grid.

Prediction cells are very useful, and provide suggestions for the current word you are typing, or for the next word. They can suggest words from the standard prediction dictionary or from a wordlist – this option can be changed in Grid Settings.

Another option is to have a cell that stores [Saved Phrases](#). See section below.

[Special Commands](#) for more information.

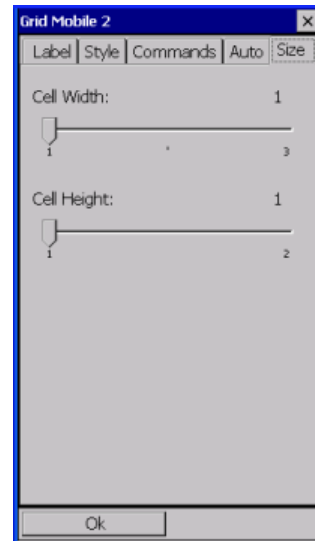


4.3.5 Size

Select the [Size](#) tab to change the width and height of a particular cell. The size of the cell will increase to the right, and downwards.

Drag the slider bars to vary the size. The size is limited by the current number of rows and columns. Be aware that by increasing the size of the cell, you will hide any adjacent cells. Sometimes it can be useful to add a couple of extra rows and columns, if you are moving and resizing several cells.

If there is no free space below or to the right of your chosen cell, there will be no option to increase the cell size.



4.3.6 Cell Scan Options

You can enter some text for the cell **Description**. This text is not displayed and is not used as part of the sentence or message. If the cell is highlighted by the scanner and the **Speak Cell Descriptions** checkbox is ticked in speech settings, then the description text will be used as auditory prompt spoken to tell the user what is in that cell.

The cell can be omitted from the scan by ticking the **Don't scan this cell** checkbox. This is useful for cells that are part of the visual design of the cell but don't provide any action or content.



4.4 Empty this Cell

This button will completely erase the cell, clearing any symbols or commands, leaving a blank cell. Once the button is selected, a warning dialog box pops up asking if you are certain you want to clear the cell. Click OK to continue.

4.5 Swap Cell

This feature allows you to swap the position of two cells. Once you have selected this option for a particular cell, the grid will be displayed once again. Select the second cell that you wish to swap with, and the two cells will exchange places.

5 Grid Settings

The grid settings menu allows you to alter the appearance and behavior of a particular grid. If you wish to edit a particular grid within a user, tap the small blue and red squares in the corner of the screen to return to the main menu. With the [Current Grid](#) highlighting the grid to edit, press the [Edit this grid](#) button.

Select [Edit Grid Settings](#) from the [Menu](#) button at the bottom right of the screen. This page will enable you to make general changes to the grid you have selected.

- **Set Number of Rows and Columns**

You can select the number of rows and columns that you would like for this particular grid. You can come back and add more rows or columns over time, or remove rows or columns you no longer need. While there is not much restriction to the number of rows or columns you can have, you are limited by the size of the contents and practical size of the matrix of cells.

- **Self-closing grid**

You can set up the grid to be a pop up window by selecting this checkbox. When you jump into a page set up as a self-closing grid, and make a selection from that page, you will automatically jump back to the grid you jumped from to get to the grid.

- **Background color**

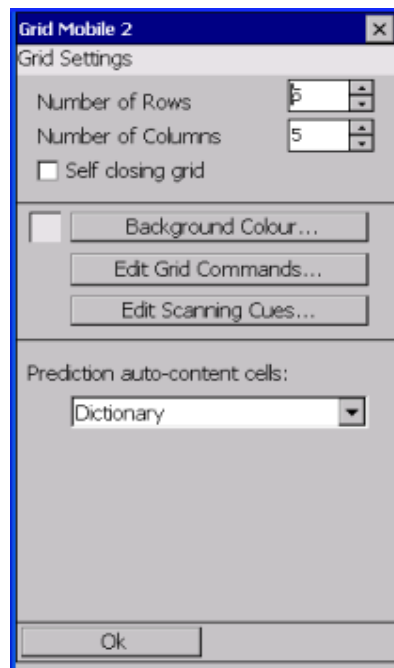
Change the color of the background behind the grid cells from any of the standard colors.

- **Grid commands**

You can also add a command to a grid, rather than a cell. This might be useful is to change the [Workspace](#) type, or to clear the [Sentence Bar](#) contents when you enter the new grid. Select [Edit Grid Commands](#) to do this. For more information on commands, See section 4.3.3 Commands.

- **Prediction auto-content**

If there are any prediction cells on the grid, you can select whether you want to use the standard dictionary, the grid's own wordlist or both options to populate the cells as you type.



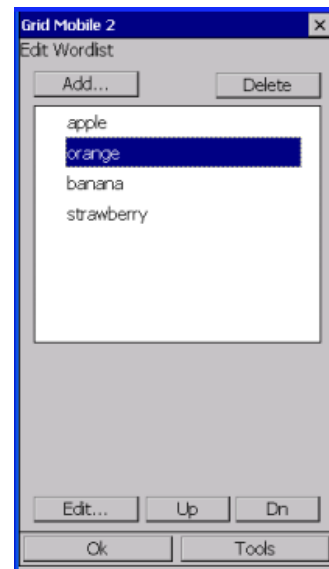
5.1 Adding a Wordlist

A wordlist is a quick and easy way to fit more vocabulary on a grid than the space allows. Wordlists also provide a simple system for adding and removing vocab without needing to edit the grid itself. Select **Edit wordlist** from the **Menu** in the bottom right of the screen.

Select **Add** to enter a new word. The onscreen keyboard will pop up, allowing you to type the word. Once you have entered the word, select **OK** to return to the wordlist.

There are other options that allow you to delete or alter words, and change the order in which they appear in the list and on the grid, and also to add an appropriate picture.

If you wish to delete the wordlist completely, select **Tools** and **Clear wordlist** from the bottom-right corner of the screen.



5.1.1 Displaying the Wordlist

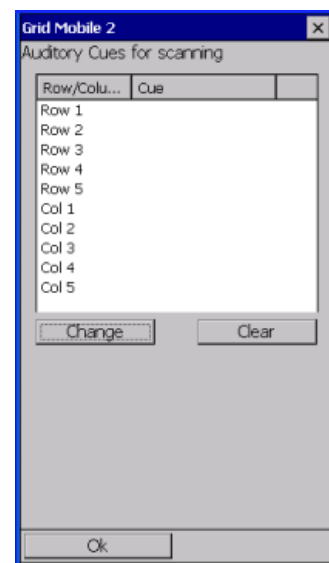
In order to display the words from your wordlist on the grid, you will need to display auto content cells. Select an empty cell, and choose **Edit Cell Detail**. Go to the **Auto** tab, and select **Auto content – Wordlist** from the list. Then select **OK**. For more information on adding auto content cells, refer to [Section 4.3.3 Commands](#), [4.3.3.5 Special Commands](#).

5.2 Choosing a Home Grid

The **Menu** also offers the option to select the “home” grid for the user you are editing. If the option **Home Grid** is ticked, this grid will appear when the user is first shown or when you select a grid cell with the **Jump Home** command.

5.3 Grid Scanning Cues

If a row or column is highlighted by the scanner and the **Speak Cell Descriptions** checkbox is ticked in **Speech Settings**, then the grid auditory cues for that row or column will be used as auditory feedback to tell the user how the scan is progressing. You can edit a list of these auditory cues here. There is one entry for each row and one for each column in the grid. It is important to keep these cues as short as possible so they can be spoken before the scanning advances to the next item.



6 User Settings

User settings are applicable to a specific grid set or User. They are not global settings for the entire program. This means that you can have different settings for different Users. This can be useful if more than one person uses the device, or when you use more than one language.

6.1 Appearance

Grid orientation:

You can choose whether you wish to display your grid in portrait or landscape mode. The default is set to landscape.

Cell Layout:

You can choose whether you wish to display the text above or below the symbol in a cell. The default is set to show the text below the picture.

Border Width:

This slider allows you to set the width of border around the cell.

Cell Spacing:

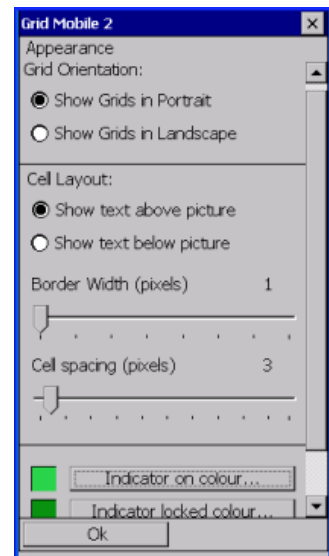
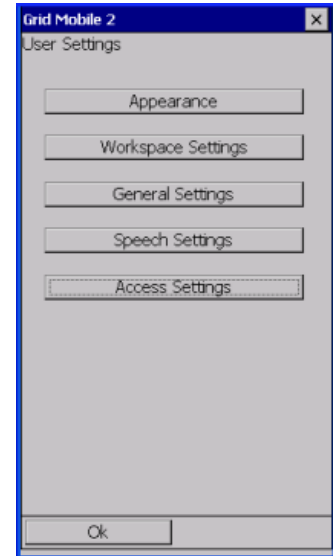
Set the size of the gap between cells.

Indicator “on” and “locked” color:

Some cells in Grid Mobile 2 are indicator cells. This means that once they have been selected they change color to show the user that they are active. The key examples are ‘shift’, ‘caps lock’ and the ‘stay on self-closing grid’ cells that override self-closing grids and bookmarks.

An example is the shift key. Instead of holding down two keys simultaneously to get a capital letter, the user will select the shift key (which will indicate “on”) followed by the letter to be capitalized. In this case the shift key will stay on once during the next key press. If you select the shift key twice it will be “locked” on, meaning Caps Lock on. It will remain “on” until you select the shift key again.

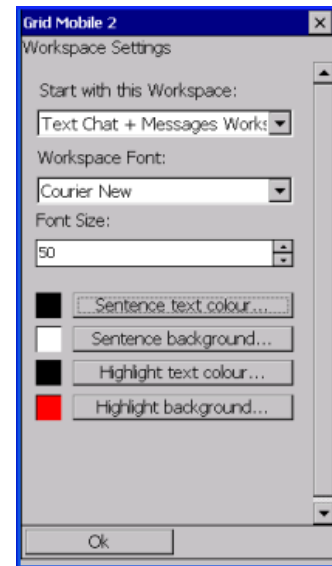
When you have finished changing the Appearance settings, click on **Ok** to save settings and return to the previous menu.



Workspace Settings

The workspace is the section of the grid where your message appears as you select cells. It usually appears at the top of the screen but does not have to. This is likely to be a Sentence Bar, but the workspace may display other things as well when using The Grid 2 on a PC.

In Grid Mobile you choose whether you wish to start with a Text Chat workspace or a Text Chat + Messages workspace.



6.1.1 Text Chat Workspace

The Text Chat workspace is a sentence bar in Grid Mobile 2. You can add letters, words, and phrases to the Text Chat workspace using either symbol or text based cells on your grids. To speak the sentence either select a speak cell or tap on the workspace itself.

6.1.2 Text Chat And Messages Workspace

This works in the same way as the text chat workspace but you have the added function of being able to store and recall messages for instant communication. The following commands can be used to communicate using the text chat & messages workspace:

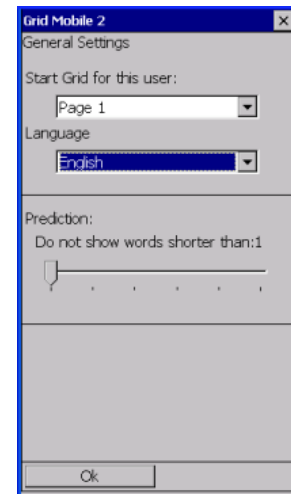
- **Save message**
Adds the sentence in the workspace to your message list
- **Speak message**
Speaks the selected message aloud
- **Edit message**
Change the selected message
- **Delete message**
Delete the selected message

6.1.3 Changing Fonts

You can choose font and font size of the text in the workspace.

You can also select the color of the text and the background in the workspace. If you are using the [Text chat and Messages workspace](#), you may also wish to change the colors of the current highlighted message.

When you have finished editing the Workspace settings, click on **Ok** to return to the previous menu.



6.2 General Settings

Start Grid for this user:

Select which grid is the home page for that User.

Language:

Set the language for this User grid set.

Prediction:

Set the minimum number of characters in a word to be predicted. You may not want it to predict words of less than three letters as these are quickly typed and will not save much time.

When you have finished changing the General settings, click on **Ok** to return to the previous menu.

6.3 Speech Settings

Set the voice(s) to be used and rules for speech.

6.3.1 Public Voice

Use the dropdown list to select the voice from available voices for your language. The list is determined by the Acapela synthesizer and the installed language(s). This will be the voice used to speak messages aloud.

Volume

Sets the volume of the public speaking voice as a percentage of full volume.

Test

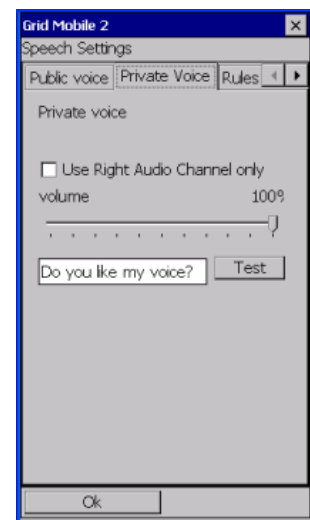
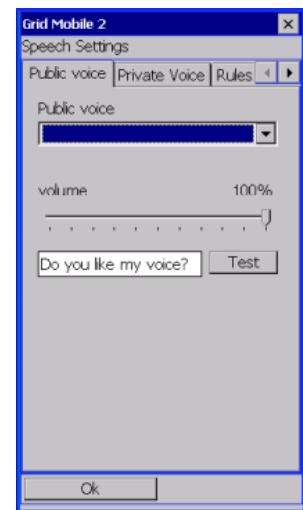
Enter some text in the dialog box and click Test to hear what the voice sounds like. After making a change it might take a few moments before it speaks.

6.3.2 Private Voice

At the moment Grid Mobile uses the same voice for public speech and for private auditory prompts during scanning.

Use right audio channel only.

When this is checked the private auditory prompts are only sent through the connected headphones. Thus the User can hear the auditory prompt privately before speaking the message with the Public Voice.



Volume

Set the volume of the auditory prompts during scanning.

6.3.3 Rules

Read Sentences

When checked, the whole sentence is spoken when you type a punctuation mark (period, exclamation, question).

Read Words

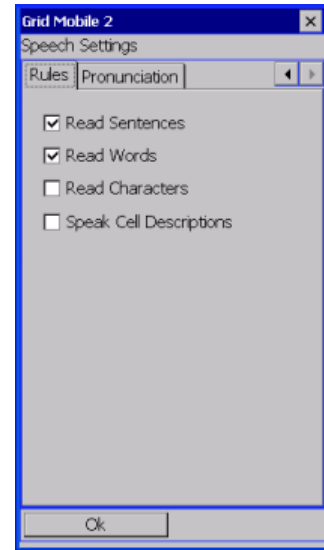
When checked, each word that is typed is spoken when you enter a space after the word (either by selecting a whole word from an auto content cell or by entering a space).

Read Characters

When checked, it speaks each character after it is typed.

Speak Cell Descriptions

When this is checked auditory prompts are spoken every time the highlight moves to a new row, column, or cell during scanning. The prompts for cells are the text from the cell description (which may be different from the cell's label or text command). The row and column prompts are defined in the Grid Settings.



6.3.4 Pronunciation

This is a list of words for which you want to create an alternative to the way the speech synthesizer pronounces a word, and the phonetic pronunciation you set up.

Add

Click Add to enter a New Word to the list. Enter the correct spelling of the New Word. Move the cursor to the Pronunciation dialog box and type an alternative spelling for the word so that it is pronounced the way the original word should sound. For example, enter “La Jolla” as “La Hoya”, or enter “New York” as “Nu Yawk”.

You can also put abbreviations in here e.g. word “mñj” with pronunciation “My name is John”.

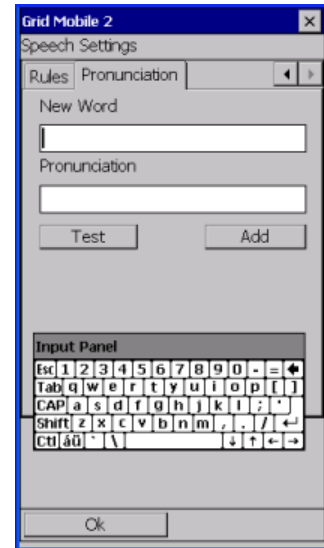
After entering the word and its pronunciation click Add to save it to the list.

Remove

This deletes a word and its phonetic exception from the list.

Test

Press this button to listen to the alternative pronunciation defined in the list.



6.4 Access Settings

To change access settings go to Current User and click on [User Settings](#) then [Access Settings](#).

Direct Access and Scanning Overview

Grid Mobile 2 can be controlled by directly touching the item you want on the grids using the touchscreen, or if this is difficult then switch scanning can be used. Scanning highlights cells on the grid in turn so you can then choose the item you want by touching the screen or using a switch while the item you want is highlighted. This allows the user to make selections on the device without the need for good fine motor control.

Cells can be scanned in a number of patterns, for example by scanning down rows and then along columns; and by using a range of different access methods such as tapping anywhere on the screen to move the scanning cursor along, or by using one or two switches.

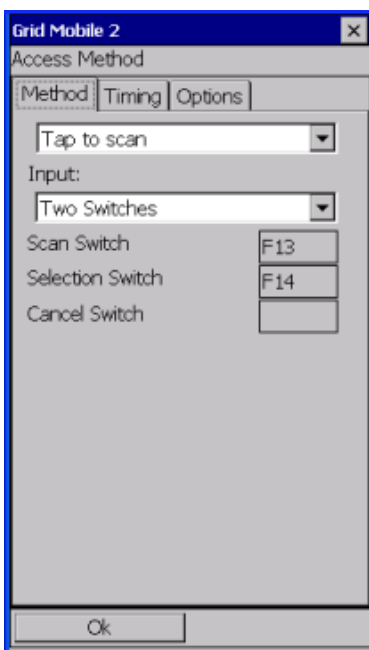
There are a number of ways to scan by switch. In the [Hold to scan](#) or [Tap to scan](#) options, using a single switch, the switch advances the scan and highlights an item. Then the user pauses with the desired cell highlighted for a period of time in order to select it – this is called “dwell”. This can be changed by selecting the [Dwell Time](#) setting and then using the keyboard to adjust.

In this mode the user must keep the scan advancing to avoid accidentally selecting unwanted items. This can be confusing at first and may need some practice.

In two switch modes the first is used to scan through the cells one at a time until the required one is reached. The second switch is then used to activate it.

The [Access Settings](#) has three tabs: [Method](#), [Timing](#) and [Options](#).

6.4.1 Method



On the Method Tab you can set the main Access Method.

You have a choice of [Direct](#) (touchscreen) and three scanning modes, [Auto](#) (timed) [Scan](#), [Hold to scan](#) and [Tap to scan](#).

Depending on your selection you will see some further items:

- **Input**

which allows you to choose how you will control the scanning process. The choices may vary depending on your Access Method and include:

- **Touchscreen with dwell**
The whole screen acts as a simple switch to start or stop the scanning process.
- **Single switch with dwell**
One switch access.
- **Two Switches**
Two switch access.

Configuring Switches or Keys

It is possible to reconfigure which switches operate the first or second operations. Tap the item on screen to open the input switch configuration form. Press the desired switch and you will see its name appear in the box. When you are ready click **Ok** to accept your new setting.

Auto (timed) Scan

In this mode the input can be by touchscreen or single switch. The user presses the screen (anywhere) or switch to start the scan and then again to stop it at the desired row or column. The scan will automatically advance along the row, or down the column until the the user presses again at which point the chosen cell will be spoken/entered into message window. The scan will then be ready to start again from the beginning.

If **Switch** input is chosen then you may customise which switch is used for this purpose. The current setting is shown. Click or tap on this to change the setting.

Hold to scan

In this mode the screen or first switch is held down until the required row, column or cell is reached, and then released. Input can be from Touchscreen with dwell, Single switch with dwell, or two switches.

When **Two Switches** is selected the second switch is used to activate the desired item once it has been selected with the first switch. The two switches to be used for each operation can be configured.

When **Touchscreen with dwell** or a **Single switch with dwell** mode is selected the screen or switch is *released* for the set dwell time until the selected item is automatically activated.

Tap to scan

In this mode the user taps or presses the screen or switch to advance through the scan.

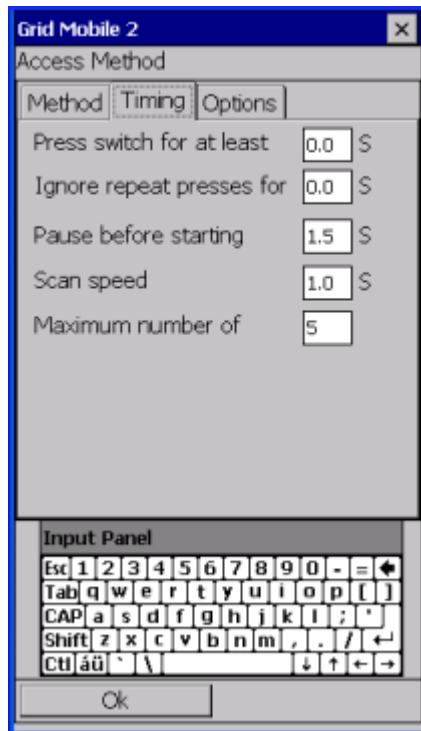
When any **with dwell** mode is selected the screen or switch presses are **paused** for the set dwell time until the selected item is automatically activated. The switch to use for this operation and the dwell time can be configured.

Input can also be with 2 switches This allows the timing of the scan to be controlled by the user as they use one switch or key to advance the scan and the other switch to

select. By using the **timing** tab, the **press switch for at least** option can be set so that both the scan and select switches must be held down for a set length of time to help avoid mis-hits.

6.4.2 Timing

Depending on which access method you have chosen, by selecting the **Timing** tab you then get options for setting **press switch for at least**, **ignore repeat presses**, **Pause before starting**, **Scan speed** and **Maximum number of scans** (the number of times the auto scan will scroll round the screen with no user activation) all of which can be set using the onscreen keyboard.



By using the **Timing** tab it is possible to set **Press switch for at least** so that the user has to tap or rather hold the screen or switch for a set length of time to activate the scan. This helps to eliminate unwanted scanning and can be used in conjunction with the dwell time setting to configure the scanning in the most suitable way for an individual user.

So for example, the user may have motor control difficulties resulting in unwanted movements, however input and timing methods can be set which mean that the scan will only advance if the switch is held for at least 2 seconds (**Press switch for at least**) and the selection will only be made if the scan is not triggered for 4 seconds (**Dwell Time**).

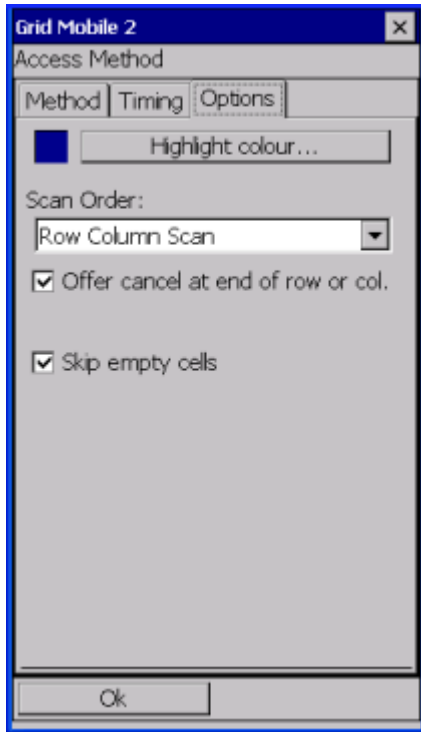
Similarly some people may find that, initially at least, they need the **Dwell Time** (on the Method tab) set to at least 4 seconds. This is because any shorter dwell may simply be the natural gap between taps,

and as a result rows, columns or cells may be selected by mistake as the user prepares to tap to advance the scan again.

N.B. The switch response timing, the scan progress timings and the dwell time interact and should be thought through carefully so they suit the person using it. Do not set a dwell time or scan time shorter than the scan time!

6.4.3 Options

The **Options** tab allows you to change the behaviour of the scanning. The options available vary from mode to mode.



Highlight colour

This is the colour of the scan cursor.

Scan order

Simple scan, Column Row scan or Row Column Scan

This sets the pattern that the scan highlight follows as it steps through the cells.

Offer cancel at the end of row or column

The Grid Mobile2 provides the opportunity to cancel a scan. If this item is checked, at the end of a scan row or column the entire grid will be highlighted. If the user chooses this then the scan will be cancelled.

Skip empty cells

This saves time by making the scan cursor miss out blank cells. It speeds up scanning but may be inappropriate for some users. Some scan patterns may look confusing if too many cells are skipped – either don't skip the cells or consider designing the grid to suit the scan pattern.

7 Sample Users

We have included some sample users for you to get started with Grid Mobile 2. We suggest you develop these users by adding more vocab cells or arranging the cells to suit your needs. Alternatively you may wish to import a user from The Grid 2 as described in [Section 8 Manage Users \(Backup/Restore\)](#)

7.1 Dynamic Screen Starter

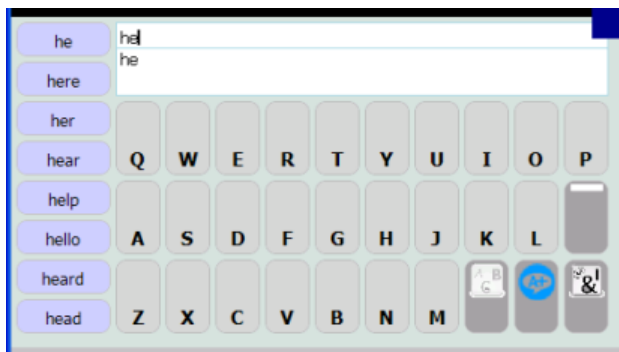
This is a template grid set for symbol users, with topic pages and alphabet grids for spelling.

The grid set provides a starting point for creating a symbol communication vocabulary using Grid Mobile 2. There are plenty of blank cells so you can create more vocabulary or jumps to new pages.



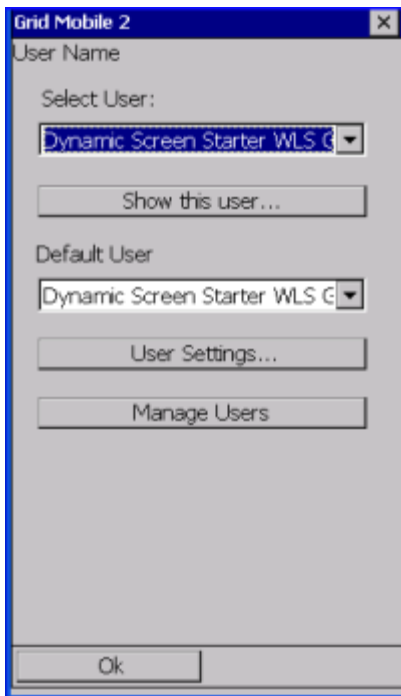
7.2 Plain Text User

This grid set has been designed for literate users who want to communicate though a keyboard grid. Prediction cells help increase typing speed and the option of storing and recalling messages gives access to instant communication.



8 Change Users & Manage Users (Backup/Restore)

From the main screen select [Change User](#). This takes you to the [Change User Page](#)



[Select User](#) presents a drop down of all available users. Choose a user from the options available.

Below this drop down is [Show This User](#), which will bring up the selected user grid set so you can begin talking.

You can also select the [Default](#) user which will load automatically at startup. This can be a different user to the currently selected one in [Show This User](#).

[User Settings](#) allows you to change settings for the current user (this feature is also available on the main menu). See [Section 5 User Settings](#)

[Manage Users](#) opens a new page from where you can create new users, rename or delete users, copy users and back them up via your PC via the supplied USB cable.

It is possible to transfer users to and from a PC version of Sensory Software's [The Grid 2](#) either so you can share users with other people, or use the same grid set in two places if you have another device, or to take advantage of the bigger screen and mouse etc on a PC when editing.

N.B. Certain operations (such as deleting or renaming) cannot be carried out on the current user or while it is marked as the [Start Up](#) user.

>>>> Devices with external card slots or USB host port >>>>

You can copy Users to and from an external memory card or USB stick depending on what slots your device has.

Insert your memory card or USB memory stick. From <choose backup location> select the appropriate location and in the lower box you should see a list of all the users currently on your memory card/stick. By using the Copy User buttons you can copy users to or from the communication aid.

Copying a user from the device to a backup card/USB

Select the user to be copied, then in the drop down *below* the greyed out “copy to” and “copy user”, (<choose location>) select the location you want to copy/transfer the user

to. This will depend on the actual device being used, but may give the choice of memory card (if one is inserted) or USB (if the device supports a removable USB stick).

The greyed out **copy to:memory card** with down arrow to the left should now be active and will list the name of your card or USB device. Selecting it will initiate the the file copying process. Once the copy/transfer is complete the user file name will show in the box below <choose location>.

Copying a user from a memory card or USB stick

Using the drop down <choose location>, select the removable source (card or USB) where the required user file is stored. A list of available user files will show in the box below. Once the required file is selected the greyed out **copy to this device** with up arrow to the left will become active and selecting it will initiate the copy/transfer.

If there is a user of the same name already on the device you will get a message box telling you so, and asking if you want to replace it. Selecting **OK** will overwrite the existing user of the same name on the device, with the named user from the memory card or USB stick.

Selecting **cancel** will take you back to the **manage users** screen.

>>>> Devices using direct PC connection by cable >>>>

Connect the supplied mini USB cable to your PC. Select the user to be copied from the top selection box. Click on the **“Start PC connection”** button. Use the Grid 2 on your PC to manage users, as detailed in

Once you have finished managing users with the Grid 2 on your PC, Click on the **“End PC connection”** button and disconnect the USB cable. Select the button to return to the

8.1 Tools

At the bottom right of the screen there is a **Tools** option. Selecting this brings up **Rename User, Delete User and Create New User**.

To rename a user, select the user to be renamed from either the device or the PC. Select **Rename User** and the on screen keyboard will come up, along with the current user name in an editing box. You can then rename it and then press **Ok** to save and return to **Manage Users** screen. If you choose the name of an existing file, or do not rename the file at all and then press **OK** you will get a message *“A user with that name already exists. Please choose a different name”*. You must select **OK** on this box, which will return you to the **Manage Users** screen.

Delete User allows you to delete users on either the device or the PC. On selection you will get the prompt “*Do you really want to delete this user?*” Selecting **OK** will delete the highlighted user. **Cancel** will return to previous screen.

Create New User allows new users to be created and opens a dialogue box and onscreen keyboard where the new user name can be made. Selecting **OK** inserts the new user onto the device.

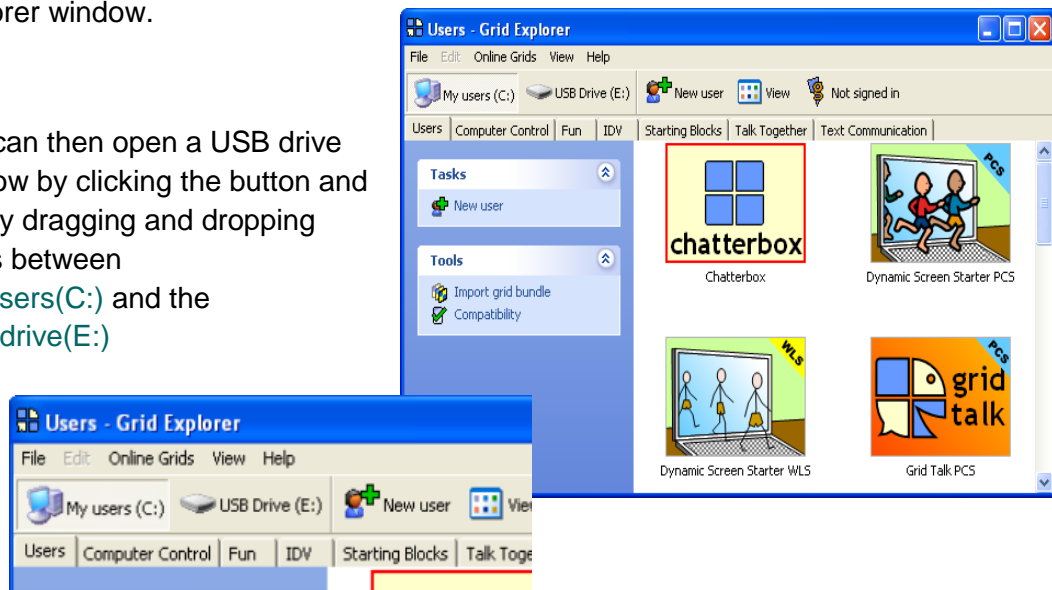
8.2 The Grid 2 and The Grid 2 Mobile

Grid Mobile 2 has been designed to work in conjunction with The Grid 2. Although you can edit grid sets on the device itself, you may also wish to import ready-made grids from The Grid 2.

Make sure that you have the latest copy of The Grid 2, by running Sensory Update (**Start menu > programs > Sensory Software > Sensory Update**) or installing from the latest disk.

To begin importing and exporting users, open The Grid 2 so that you can see the Grid Explorer window.

You can then open a USB drive window by clicking the button and simply dragging and dropping users between **My Users(C:)** and the **USB drive(E:)**



NB: Grid Mobile 2 is designed to run on much smaller machines that have less functionality than a PC. Therefore, not all of the commands available in The Grid 2 will work on your mobile device.