



*PROPRIETARY
INFORMATION*

Orbit Speak™ User Guide

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2 Introduction and Orientation

Congratulations on purchasing your new Orbit Speak!

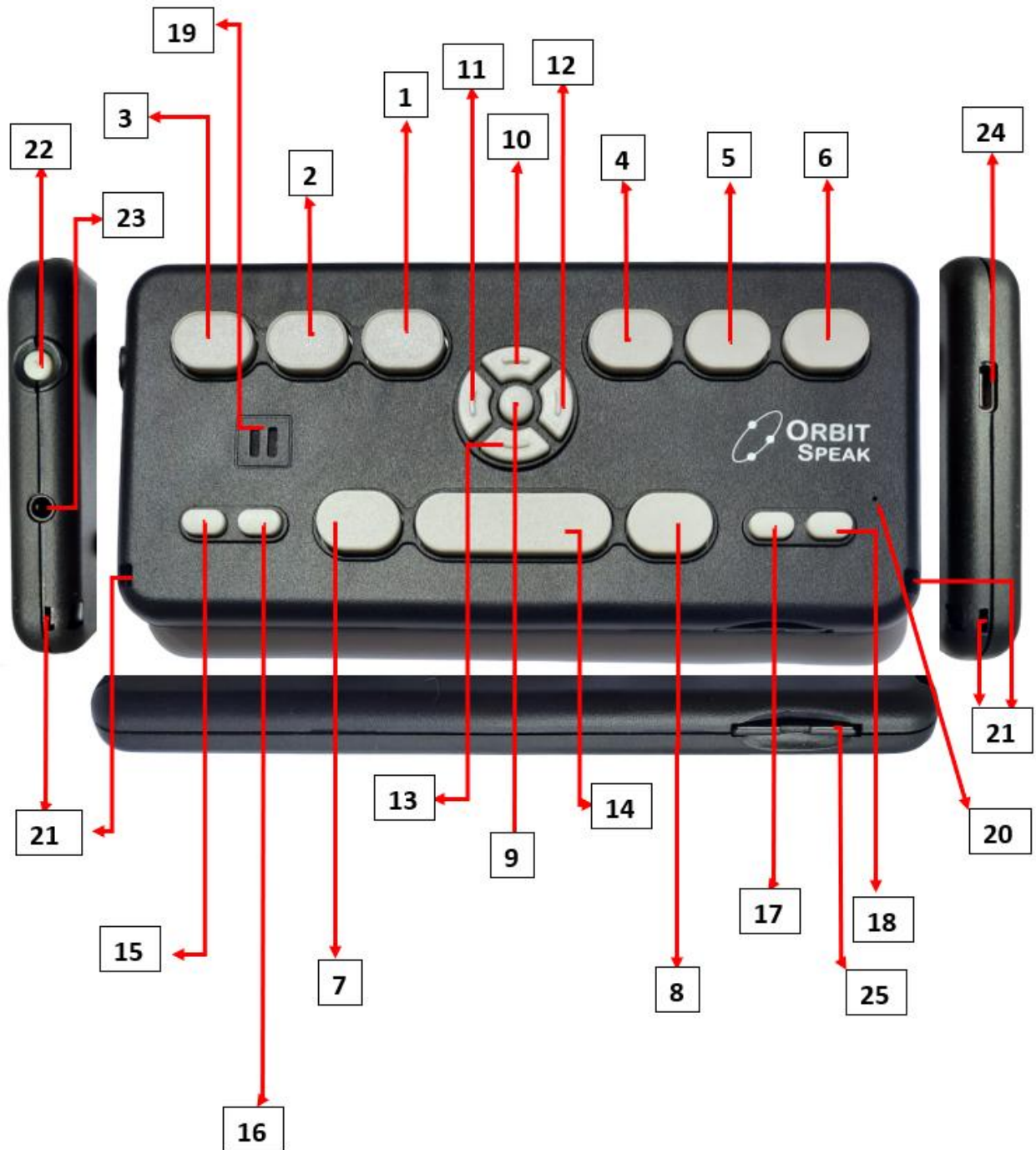
First, let us describe the device.

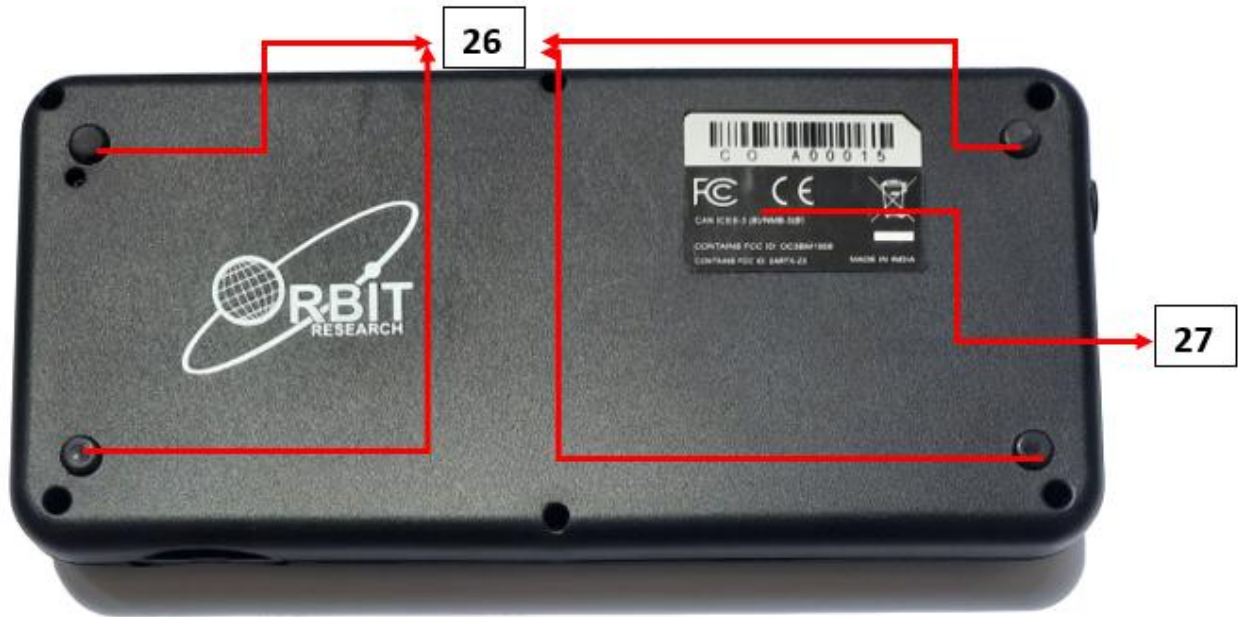
- Position your Orbit Speak in front of you so that the keys are facing upwards, and an elongated key is closer to you. This elongated key is the Space bar.
- Above the Space bar you will find a circle — the navigation pad. The navigation pad consists of five separate small buttons. These buttons have top, bottom, left and right tactile markings. These are **Up**, **Down**, **Left** and **Right** arrow keys.
- They are used to navigate through menus in applications and perform some other actions.
- In the center of the circle, you will find a small round button — this is the **Select** key. Use this key to confirm your choice.
- To the left and slightly up from the navigation pad you will find three identical keys. Place the index, middle and ring finger of your left hand on them comfortably.
- To the right and slightly upwards from the navigation pad you will find three more keys of the same type. Place the index, middle and ring finger of your right hand on them comfortably.
- Your hands are now on a Perkins keyboard. In your left hand, you have **Dot 1** under your index finger, **Dot 2** under your middle finger, and **Dot 3** under your ring finger. In your right hand, you have **Dots 4, 5, and 6**, respectively.
- Put your fingers back on the Space bar, which is located just below the round navigation pad. To the left and right of it you will find two more Braille Dot keys. The left key is **Dot 7**, the right one is **Dot 8**. All these DOT keys along with the Spacebar are used to type text in computer Braille as well as to carry out some commands.
- **Dot 8** by itself is used as the Enter key, and **Dot 7** as the Backspace key. We Recommend using your right thumb to press **Dot 8** and your left thumb to press **Dot 7**.
- To the left of **Dot 7** and to the right of **Dot 8** you will find two sets of two small buttons each. These are function keys. The keys on the left side are **F1** and **F2**, the ones on the right side are **F3** and **F4**. The **F2** and **F3** keys are closer to the center, whereas **F1** and **F4** are closer to the edges of the device.
- Above the **F1** key there is a speaker grill and just above the right of the **F4** key is a tiny microphone hole.
- On the rounded corners of the device, which are closer to you, you will find attachment points for a strap or lanyard. You can wear the device around your neck and free your hands without fear of the device falling off.
- On the front side of the device, you will find a full-size SD card slot. It is located on the right side, at the corner, in a small recess.
 - To remove the SD card, gently press it until you hear a click, this click sound

means the card is freed, and it will slide out of the slot.

- To insert an SD card, hold it with the contacts facing up and towards the device, put it into the slot and gently push it until you hear a click.
- On the right side of the device is a USB-C port for charging your Orbit Speak and connecting it to your PC.
- On the left side of the device, you will find the round Power button as well as the headphone jack. The Power button is marked with a tactile dot.
- Turn the device over and you will find that it has four small rubber feet on the corners. This keeps it from sliding around on smooth surfaces. You will also find a clearly visible label with a barcode and information about the certification of the device.

Below in this section there is an image of the device where all its elements are designated with numbers. The meaning of each number is explained below the image. If you want, you or your sighted assistant can study this image. But we are sure you already want to just turn on the device. Then go straight to the Quick Start chapter.





- | | |
|---------------------|--|
| 1. Dot 1 | 15. F1 key |
| 2. Dot 2 | 16. F2 key |
| 3. Dot 3 | 17. F3 key |
| 4. Dot 4 | 18. F4 key |
| 5. Dot 5 | 19. Speaker |
| 6. Dot 6 | 20. Microphone |
| 7. Dot 7 | 21. Holes for attaching the strap |
| 8. Dot 8 | 22. Power button |
| 9. Select key | 23. Headphone jack |
| 10. Up Arrow key | 24. USB-C port |
| 11. Left Arrow key | 25. SD Card slot |
| 12. Right Arrow key | 26. Rubber feet |
| 13. Down Arrow key | 27. Label with bar code and certification info |
| 14. Spacebar | |

3 Quick Start

3.1 Conventions in This User Guide

For consistency and clarity, the following conventions are used in this user guide:

- Braille keys on the Perkins keyboard are designated with dot numbers. For example, if it is said to press **Dot 1**, it means the key for **Dot 1 on the Perkins keyboard**.
- All keys to press are marked in bold. For example: Press the **Select** key. If a letter is marked in bold, you need to type it on the Perkins keyboard. For example, if it is said to press **M**, you need to press **Dots 1 3 4** simultaneously.
- Key mnemonics are written in capital letters for emphasis but are to be typed in Braille in lowercase (unless otherwise stated). When one key follows another, the two keys are separated by a comma. For example, the command **Select, M** means to press and release the **Select** key, then press and release **M (Dots 1 3 4)** simultaneously.
- If you need to press more than one Braille key at a time, these keys are given as numbers separated by spaces, for example: **Dots 1 4**.
- When modifier keys are used, they are separated from other keys by a plus sign (+), for example: **Space + Dot 1**. Modifier keys are keys that you hold down while pressing other keys at the same time. This changes the effect of the keys you press. The **Select, Space, F1, F2, F3, and F4** keys function as modifier keys on Orbit Speak.

3.2 Orbit Speak Features

- Built-in applications: text editor, media player, calculator, alarm clock.
- Various settings allow flexibly configuring the device according to your needs.
- Ultra-compact design — easily fits in a pocket or a handbag.
- Ergonomic Perkins-style braille keyboard.
- High-quality scissors keys for smooth and quiet operation with positive tactile feedback.
- 5-key navigation pad to easily operate the device, as well as four additional functional keys.
- Lightweight but rugged design.
- Dimensions: 6.7 × 2.9 × 0.6 inches, 17 × 7.5 × 1.5 centimeters.
- Weight: 7.4 oz, 210 grams.
- Supports SD, SDHC, SDXC cards up to 2 TB.
- The battery can last up to 15 hours when playing music through the built-in

speaker at full volume. Please note that actual battery life may vary based on your usage conditions.

3.3 Turning On and Off, Restarting and Putting Orbit Speak into Sleep Mode

- **Turning on Orbit Speak:** Press and hold the **Power** button for about **2 seconds**. You will feel several vibrations while the device boots up. Then you will hear: *Orbit Speak, Home*.
Now the device is on, and you are on the home screen.
- **Turning off the device:** Press and hold the **Power** button for approximately 2 seconds. You will be presented with a Select Action dialog where you can turn the device off completely, restart it or just exit this dialog. The dialog has three buttons:
 - Shut Down
 - Restart
 - Cancel

Move between the buttons by using Up and Down arrow keys. You can also perform the desired action by typing the quick access command on the Perkins keyboard.

- A quick access command is a letter that you hear after a button name. For example, if you hear: *Shut Down, S*. Then to quickly turn the device off you can type the letter **s** (Dots 2 **3 4**) on your Perkins keyboard. After selecting Shut Down or typing the letter **s**, you will hear: *Device is shutting down*.
- You will feel vibrations while the device is shutting down. When the vibration stops, the device is turned off.
- You can put the device into sleep mode instead of turning it off completely. To do this, press the **Power** button briefly. You will feel a vibration and hear a descending tone. To wake up the device, press and hold the **Power** button until you feel a vibration. You will hear a raising tone, and you will be back where you left off before.

The device is protected against accidental pressing of the Power button. A short press of this button will not accidentally turn on or wake up the device.

If you try to turn the device on when its battery is empty, you will feel a vibration and hear two high-pitched beeps, but Orbit Speak will not turn on. In this case, please charge your device first.

3.4 Speech Rate

When you have just turned on the device for the first time, the speech you hear may be too fast or too slow for you. When you turn on the device for the first time, the speech rate is

set to 5 out of 10.

Adjust the speech rate to your liking.

- To decrease the speech rate, i.e., make the device speak slower, press **Space + F1** simultaneously.
You will hear, for example: *Speech rate: 4.*
- If you reach rate 1 and try to go slower, you will hear: *Speech rate at minimum level.*
- To increase the speech rate, i.e., make the device speak faster, press **Space + F4**.
You will hear, for example: *Speech rate: 6.*
If you reach rate 10 and try to go faster, you will hear: *Speech rate at maximum level.*

3.5 Speech Volume

The speech volume of your Orbit Speak can be set from level 0 up to level 15. Even if the volume is set to 0, you will still hear speech. It will be very quiet, but you will never be in a situation when your device is turned on and works correctly but it is silent.

If speech sounds too quiet or too loud for you, adjust the speech volume.

- To increase the speech volume, press **Dot 7 + F4** simultaneously. You will hear, for example: *Speech volume: 10.*
If you have already reached volume level 15 and you try to go louder, you will hear: *Volume is at max level.*
- To lower the speech volume, press **Dot 7 + F1** simultaneously. You will hear, for example: *Speech volume: 9.*
If you have already reached volume level 0 and you try to go quieter, you will still hear: *Speech volume: 0.*

3.6 Knowing Your Battery Status

You can check the battery status of your Orbit Speak at any time. To do this, press Space + Dots 1 6 (for Ch-sign, or the word “Charging” in Grade 2 Braille).

You will hear the battery level, e.g.:

Battery level 87%. Not plugged in.

If the device is charging, instead of “*Not plugging in*” you will hear “*Charging.*” If the battery is too low, connect your Orbit Speak to a wall outlet using the provided charger. It can take up to four and a half hours to bring the battery to 100%, but you can continue to work while your device is charging.

3.7 Exploring the Main Menu

After turning on the device, you are on the home screen. If you have already pressed some keys and are somewhere else, press **Space + Dots 1 2 3 4 5 6** to return to the home screen.

Press the Up or down arrow keys to navigate through the menu. After each press, you will hear the menu item that is currently active. When you reach the end of the list, the menu will wrap, and you will be located on the first menu item.

Each of the messages you hear consists of a menu item name, a quick access command, and a number in the list of menu items.

To select a menu item, navigate to it using the **Up Arrow** or **Down Arrow** keys and press the **Select key**. You can also open any item on this menu by typing its quick access command from the Perkins keyboard.

For example, to open Settings quickly, press the letter **S (Dots 2 3 4)** on the Perkins keyboard.

If you have performed this command just now, you are in the Settings menu. Read about all the Orbit Speak settings below, in the corresponding chapter. Now you need to close the Settings application and return it to the home screen. To do this, press **Space + Dots 1 3 5 6 (Space + Z)** simultaneously.

This command will close any active application, not just Settings.

Certain items of the Home menu, like Utilities and Help, contain submenus grouping several items of the same type. For instance, if you do not remember how to check your battery status via the keyboard command, you can do it using the Utilities submenu on the home screen. To go to a submenu, please press **the Right Arrow**. If you want to go up a level and exit the submenu, press **the Left Arrow**.

3.8 Internet Connection over Wi-Fi

To connect to the Internet over Wi-Fi, you need to know the name of your Wi-Fi network and the password to access it if it is secured.

Follow the steps below to connect to a Wi-Fi network:

- Switch to the Home screen. To do this, press **Space + Dots 1 2 3 4 5 6** simultaneously.
- Open the Settings application. To do this, navigate with Up and Down arrow keys until you hear:
Settings, S.
Then press the **Select key**.
Alternatively, use the quick access command **Space + Dots 1 3 5 (Space + O)**.

- Press **Down Arrow** until you hear:
Wi-Fi Options, w.
Then press the **Select** key.
A dialog box will open. You can inspect this dialog box as you would on a computer by pressing Tab or Shift + Tab. To do this on your Orbit Speak, press **Space + Dots 4 5** and **Space + Dots 1 2**, respectively. The Wi-Fi settings dialog box contains the following items:
 - *Available Networks* List. This item is active when the window is open.
 - *Close* button — Select it to close the dialog box.
- *Disable Wi-Fi* button — Appears if the Wi-Fi functionality is turned on, which is the default. It is used to turn off Wi-Fi. You may need it to save some battery while traveling, for example. If Wi-Fi is turned off, you will find the *Enable Wi-Fi* button.
- *Refresh Network List* button — Select it to refresh the list of available networks.
- In the *Available Networks List*, use *UP and Down arrow keys* to navigate to your wireless network.
- Press the **Select key**. The following dialog box opens, and you will land on the *Connect* button. To activate it, press the **Select key**.
- The Network security dialog box opens. This dialog box contains a password entry field and OK and Cancel buttons. These items can be navigated using the **Up** and **Down Arrow keys**. Immediately upon opening, the password field is active. Enter the password, also known as the security key or SSID of the network, in computer Braille using the Perkins keyboard. If you accidentally type an incorrect character, you can delete it by pressing **Dot 7**.
- When you have finished entering the password, use the arrow keys to navigate to the OK button or simply press the **Select key**. The device will connect to the network and report the result.

3.9 Disconnecting from a Wi-Fi Network

If your device is connected to a Wi-Fi network but you want to disconnect or forget the network, follow these steps:

- Switch to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Open the Settings application. To do this, navigate using Up and Down arrows until you hear:
Settings, S.
Then press the **Select key**.
Alternatively, perform the shortcut command **Space + Dots 1 3 5 (Space + O)**.
- Press the **Down Arrow** key until you hear:
Wi-Fi Options, w.
Then press the **Select key**.

In the Available Networks List, use the Up and down arrow keys to navigate to your Wi-Fi network. You will hear its name followed by the word *Connected*.

- Press the **Select** key. A menu opens with two items: Disconnect and Forget. Select the desired action using Up and Down arrow keys. Then press the **Select** key.

3.10 Getting Help

Orbit Speak has two types of built-in help: a user guide in text format and an audio tutorial.

To choose either the text user guide or the audio tutorial, do the following:

- Go to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Navigate using Up and Down arrows to the Help submenu. Press **the Right Arrow** to open the submenu.
- Select either User Guide or Audio Tutorial.

The User Guide will open in the Editor application, and the Audio tutorial will open in the Media Player application. For more information about these applications please see the chapters on Editor and Media Player.

Note: You can launch the audio tutorial at any time by just pressing and holding the **F4** key.

4 Editor

4.1 Your First Document

Your Orbit Speak offers you the ability to create and edit simple text files in TXT format, as well as Braille files in BRF format, including contracted Braille. For specifics regarding contracted Braille support, see chapter 3.3.1.

To create your first file, do the following:

- Switch to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Using **Up** and Down arrows, navigate to the Editor menu item, or use the quick access command **E (Dots 1 5)**. You will hear a message that a new empty text file has been opened. The device is ready for text input.
- Type some text according to the selected Braille table using the Perkins keyboard. Each time you type a character; the device speaks it out by default. If you have typed the wrong character, press **Dot 7** to delete it. You will hear that the character was deleted. When you press **Space** or type a punctuation mark, the device can read the entire word. If you want to change your typing echo, i.e., what Orbit Speak

announces when you type, refer to the chapter on Settings. To read the current line, press **Space + Dots 1 4**. To start a new line, press **Dot 8** or the **Select** key. Below in this section you will find a list of all the actions for navigating and editing text.

- Reading all the text you have typed. To do this, press **Space + Dots 1 2 3** to go to the beginning of the document. Then press **Dots 1 2 4 5 8** to read the text from the current position, which is at the beginning, to the end of the document.
- Saving your document. To do this, press **Space + Dots 2 3 4**. The Save File dialog box opens. It contains the file name and the *OK* and *Cancel* buttons. You can navigate between these items using the Up and down arrow keys.
- Navigate to the file name. You can change the default file name to the one you want. Use Left and Right arrow keys to move through the file name characters. To delete a character, use **Dot 7**. Type in the desired file name. When you are finished, press the **Select** key.
- A menu will open where you need to select a location to save your file. This can be SD card or Internal storage. We recommend that you use the SD card and create the folders you need yourself (See the chapter on File Manager). But for the sake of this example, select Internal Storage. Press the **Select key**.
- You will be in the list of internal storage folders. Using the Up and down arrow keys, navigate to the *Documents* folder and press the **Select** key.
- Then use **Space + Dots 4 5** (Tab) to move to the OK button and press the **Select** key. Your file will be saved.

4.2 Contracted Braille support

Starting with version 1.2, Orbit Speak allows opening and creating Braille files in BRF format, as well as Unicode Braille, BRA, and BRL files.

Braille file support uses the Liblouis Braille translator, along with its built-in Braille tables.

This support, a specially contracted Braille entry, including text editing and navigation, might work a little differently on Orbit Speak compared to other similar devices, due to some architectural limitations in version 1.2. We recommend you read this chapter to properly understand how to work with Braille files, to be as productive as possible. These limitations will be addressed in version 2.0 of the Orbit Speak software.

Below is an overview of the way in which Braille support works:

1. When opening a BRF file for reading or editing, the file automatically gets expanded to standard text (computer Braille). This means that, while you will be able to read the content of the file correctly, navigation by character will work as navigating in computer Braille-based text, without contractions, or literary Braille signs. For example, when a word contains the characters “sh,” instead of hearing “sh sign” when navigating with the left/right arrow keys, you will hear “sh” as individual characters.

2. For the file to be translated correctly when opened or saved as BRF, you must select the Braille code with which you want to work from the device's settings. Go to the settings application from the home screen, locate the newly added Braille settings option, and activate it. In the list of Braille tables, select the one you want to work with, for example, English, Unified, Contracted, and press the ok button. Now, every Braille translation operation will be performed using that Braille table.
3. Braille entry, including Contracted Braille, is possible everywhere inside of the editor application. For other apps, computer Braille entry should be used instead. This will be expanded to cover all applications in version 2.0.
4. When editing text in contracted Braille, translation is performed every time you press the space bar, go to a new line, or type a punctuation mark followed by space. This means that everything you type gets expanded to computer Braille (standard text) after translation is successfully complete. Keyboard echo will read the Braille characters as expected while typing, and the translated word will be read after pressing space bar if the word key echo is enabled. If you want to perform a translation without inserting a space or a new line character, for example, during correction of existing text, press space with dot 8.
5. When editing existing text, navigation is done as per computer Braille standards, since the text is expanded automatically, like mentioned before. However, the insertion of text corrections, as well as new text, can be done according to the chosen Braille code.
6. These limitations will be addressed in version 2.0, where we will have a global screen reader service that will perform Braille translation system wide. This will also enable us to deliver navigation according to the chosen Braille table without having to expand to computer Braille each time.

4.3 Opening and Saving an Existing Text or Braille Document

To open an existing text or Braille document, do the following:

- Switch to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Using UP and Down arrows, navigate to the Editor menu item, or use the quick access command **E (Dots 1 5)**. You will hear a message that a new empty file has been opened.
- Press **Dots 1 3 5 8 simultaneously**. The Open File dialog box opens.
- Select file location using Up and Down arrow keys. This can be SD card or Internal storage. Press the **Select** key.
- You will land in a list of folders and files. Use Up and Down arrow keys to navigate through the list. Press the **Select** key to select a folder. To go up a level, press **Dot 7**.
- When you have located your file, press the **Select** key. The file will be opened.

Note: Only one file can be opened at a time. Remember to save your changes if you

want to open another file.

To save changes to an existing open file, press **Dots 2 3 4 8**.

4.4 Editor Menu

The Editor application has a menu where you can always find a list of all the actions.

Press **Space + M (Space + Dots 1 3 4)** to open the menu.

This menu contains various items and submenus. Use Up and down arrow keys to navigate between menu items.

Press **the Right Arrow** to open a submenu.

To exit the submenu to an upper level, press **Left Arrow**.

To exit the context menu, go to the top level and press **the Left Arrow** again.

To select a menu item, press the **Select** key. The context menu will close and the action you selected will be carried out.

The full Editor menu is outlined below.

- File, F:
 - New, N;
 - Open, O;
 - Save, S;
 - Save as, A;
 - Exit, X.
- Edit, E:
 - Start Selection, B;
 - Copy, Y;
 - Cut, C;
 - Paste, P;
 - Delete, D;
 - Select all, A.
- Read, R:
 - Read selected text, D;
 - Read from beginning to cursor, B;
 - Read from cursor to end, E;

- Read current sentence, S;
- Read current line, L;
- Read current word, W;
- Read current character, C.

Each menu item is followed by its quick access command. This is a letter that you type on the Perkins keyboard to carry out the command.

For example:

To select all text, press **Space + M**, then the letter **E**, then **A**.

To read the current line, press **Space + M**, then the letter **R**, then **L**.

4.5 Editor Commands

In addition to the context menu, there are lots of various commands that make working with a document easier and faster. Here you will find a list of all commands of the Editor application. Note that some actions can be performed in more than one way. In this case, several commands for the same action are listed and separated by a semicolon.

- Go to the next character — **Space + Dot 6; Right Arrow**.
- Go to the previous character — **Space + Dot 3; Left Arrow**.
- Go to the next word — **Space + Dot 5; Space + Right Arrow**.
- Go to the previous word — **Space + Dot 2; Space + Left Arrow**.
- Read the next line — **Space + Dot 4; Down Arrow**.
- Read the previous line — **Space + Dot 1; Up Arrow**.
- Move the cursor to the beginning of the line — **Space + Dots 1 3**.
- Move the cursor to the end of the line — **Space + Dots 4 6**.
- Move the cursor to the beginning of the document — **Space + Dots 1 2 3**.
- Move the cursor to the end of the document — **Space + Dots 4 5 6**.
- Insert new line — **Select; Dot 8**.
- Delete the previous character (analogous to the Backspace key on PC) — **Dot 7**.
- Delete the character under the cursor (analogous to the Delete key on PC) — **Space + D (Space + Dots 1 4 5)**.
- Enable/disable selection mode — **Dots 1 2 8**.
- Copy selected text — **Dots 1 4 8**.
- Cut selected text — **Dots 1 3 4 6 8**.
- Paste text you copied or cut before — **Dots 1 2 3 6 8**.
- Select All — **Dots 1 8**.
- Read the current line (press twice quickly to spell) — **Space + Dots 1 4**.
- Read the current word (press twice quickly to spell) — **Space + Dots 2 5**.

- Read the current character — **Space + Dots 3 6**.
- Read everything from the cursor to the end of the document — **Dots 1 2 4 5 8**.
- Read everything from the beginning of the document to the cursor — **Space + Dots 1 2 4 5 7**.
- Read the selected text — **Space + Dots 1 2 7**.
- Open context menu — **Space + M (Space + Dots 1 3 4)**.
- Create a new document — **Dots 1 3 4 5 8**.
- Open a document — **Dots 1 3 5 8**.
- Save an existing document — **Dots 2 3 4 8**.
- Save a new untitled document or save a document under a new name — **Space + Dots 2 3 4**.
- Close the Editor application — **Space + Dots 1 3 5 6**.

5 File Manager

If you want to use your PC for managing files on the Orbit speak, you can connect your Orbit Speak to it using the provided cable, or any cable with a USB-C connector. You will see the device on your computer as LAVA LZG403 25i and you can write your files to it or delete them as usual.

However, you can manage files directly on your Orbit Speak device using our File Manager.

Follow the steps below to open File Manager:

- Switch to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Navigate with Up and down arrows to the File Manager application or press **F1 + F (F1 + Dots 1 2 4)**. You will hear a message saying that File Manager is open. You will land in a list of files and folders. By default, internal storage is selected and opened, but the device remembers where you last finished and when you open the app again, your focus will move to the last location where you close the app from.

5.1 **Navigate through Files and Folders in the File Manager Application**

Use Up and Down arrow keys to navigate through files and folders within an open folder.

To open a folder, move to it and press the **Select** key.

To exit the folder and go up a level, press **Dot 7**.

The top-most level offers a choice between internal storage and SD cards.

To open a file, navigate to its name with Up and Down arrows and press the **Select** key.

Alternatively, you can type a letter and navigate to all files and folders whose name begins with that letter, one by one.

5.2 File Manager Menu

The File Manager allows you to copy, move and delete files and folders, as well as create new folders. You can perform most of these actions using keyboard commands. You will find them later in this chapter. File Manager also offers a convenient menu to perform all actions.

To open the File Manager menu, press **Space + M (Space + Dots 1 3 4)**.

As usual, press Up and Down arrows to navigate through the menu items. Press **the Right Arrow** to expand a submenu. To go up a level in the menu, press **Left Arrow**. When you are at the top level, press **the Left Arrow** again to exit the menu.

The menu structure is described below:

- File, F:
 - Open, O;
 - Rename, R;
 - Delete, D;
 - New Folder, N;
 - Search, F;
 - Properties, I;
 - Exit, X;
- Edit, E:
 - Mark/Unmark, M;
 - Cut, C;
 - Copy, Y;
 - Paste, E;
 - Select All, A.
- View, V:
 - Sort by, S;

- Sort by Name;
 - Sort by Date;
 - Sort by Size;
 - Sort by Last Read.
- Order by, O:
 - Ascending;
 - Descending.

Along with the menu item, Orbit Speak also speaks a quick access command, which is a letter that needs to be typed on the Perkins keyboard to perform that command when the menu is open. Here are some examples of how to work with menus.

5.3 Searching for a File

To locate your file, follow these steps:

- Open the File Manager menu by pressing **Space + M (Space + Dots 1 3 4)**.
- Use the arrow keys to navigate to *Search* and press the **Select** key. You can also type **F**, then another **F**.
- A search dialog box opens. Enter a name or a part of a file or folder name in the dialog box and press the **Select** key.
- A list of search results will be displayed. Use Up and Down arrows to navigate to the file or folder you want. To open that file or folder, press the **Select key**. To simply close the search results list, press **Dot 7**.

Note: The search is performed in the current folder and all subfolders on all levels relative to the current folder. If you want to search for a file or folder throughout the entire storage, first return to the top level of the storage.

5.4 File Renaming

To change the name of a file, locate the folder containing the file and navigate to that file using Up and down arrow keys, then follow the steps below:

- Open the File Manager menu by pressing **Space + M (Space + Dots 1 3 4)**.
- Use the arrow keys to navigate to *Rename* and press the **Select key**. Alternatively, type **F**, then **R**.
- The Rename File dialog box opens. It contains a name edit box and *OK* and *Cancel* buttons. Change the file name as you wish. Then press **Space + Dots 4 5 (Tab)** to move to the *OK button*. Press the **Select key** to confirm the rename. Similarly, you can rename a folder.

5.5 Creating a New Folder

To create a new folder, move where you want to create the new folder. Then follow the steps below:

- Open the File Manager menu by pressing **Space + M (Space + Dots 1 3 4)**.
- Use the arrow keys to navigate to the *New Folder item* and press the **Select** key. Alternatively, press **F**, then **N**.
- The Create Folder dialog box opens. It contains a name edit box and *OK* and *Cancel* buttons. Type a name for your new folder. Then press **Space + DOTS 4 5 (Tab)** to move to the *OK button*. Press the **Select** key to create the folder.

Note: The newly created folder is in the current folder and is arranged according to your sorting settings. It is not automatically opened when you create it.

5.6 Copying or moving a file

To copy or move a file to another folder, navigate to the file and do the following:

- Open the File Manager menu by pressing **Space + M (Space + Dots 1 3 4)**.
- Use the arrow keys to navigate to the *Copy item for copying a file*, or to the *Cut item* to move a file, and press the **Select** key. Alternatively, use the quick access commands — type **E** followed by **Y** to copy, or type **E** followed by **C** to cut. You will hear a message that the file has been copied or cut, respectively. The menu closes and you are back in the folder where your file was.
- Open the folder where you want to copy or move your file to.
- Open the File Manager menu again by pressing **Space + M**.
- Use the arrow keys to navigate to the *Paste item* and press the **Select** key, or type the letter **E**. The file will be added to the current folder and the device will notify you.

Note: If the file is large, copying may take some time.

You can copy or move several files at once. To do this, first you need to mark all the files to be copied or moved. You can mark files or *unmark them* using the *Mark/Unmark* menu item, but it is much easier to just press the **Spacebar on the corresponding file**.

5.7 Deleting a file or folder

To delete a file or folder, navigate to it and follow the steps below:

Open the File Manager menu by pressing **Space + M (Space + Dots 1 3 4)**.

- Use the arrow keys to navigate to the *Delete menu item* and press the **Select** key. Alternatively, type **F**, then **D**.
- The Delete Confirmation window will open. You can simply press the **Select** key to confirm the deletion. Or press **Space + Dots 4 5 (Tab)** to move to the *Yes* or *No*

button, and then press the **Select** key to confirm or cancel the deletion.

Note: You can delete a file or a folder without going to the menu at all. To do this, press **Space + D**, and the confirmation dialog will open.

5.8 Sorting and ordering files in a folder

To find your files more easily, you can use sorting and ordering. To do this, first open your folder and then follow the steps below:

- Open the File Manager menu by pressing **Space + M (Space + Dots 1 3 4)**.
- Use the arrow keys to navigate to *Sort By*. Press **Right Arrow**. You will be taken to a submenu that contains various sorting options: by name, date, size and last used. One of these options will be announced as selected. To select another option, move to it using the Up and Down arrow keys and press the **Select** key. The menu will not be closed, and you can change your mind.
- When you have finished selecting your sorting type, press **Left Arrow** to go up a level in the menu.
- Press **Down Arrow** to move to the *Order By* menu item. Press **the Right Arrow** to open a submenu of ordering options. You can order items either ascending or descending.
- Use Up and Down arrows to move to the desired ordering option. Press the **Select** key to confirm.
- Close the File Manager menu by pressing **the Left Arrow** repeatedly.

5.9 File Manager commands

Note: Some actions can be performed in different ways. In such cases different commands for the same action are separated by a semicolon.

- Go to the previous file — **Up Arrow; Space + Dot 1**.
- Go to the next file — **Down arrow; Space + Dot 4**.
- Go to the beginning of the current list — **Long press Up Arrow; Space + Dots 1 2 3**.
- Go to the end of the current list — **Long press Down Arrow; Space + Dots 4 5 6**.
- Open a file or folder — **Select; Dot 8**.
- File or folder properties — **Dots 2 4 8**.
- Go up a level — **Dot 7**.
- Exit File Manager application — **Space + Dots 1 3 5 6**.
- Open the menu — **Space + Dots 1 3 4**.
- Open a submenu — **Right Arrow, Select, Dot 8**.
- Exit the menu — **Space + Dots 1 3 5 6**.
- Mark or unmark a file or folder — **Space**.

- Copy — **Dots 1 4 8.**
- Cut — **Dots 1 3 4 6 8.**
- Paste — **Dots 1 2 3 6 8.**
- Delete — **Space + Dots 1 4 5.**
- Select All — **Dots 1 8.**
- Confirm deletion — **Select; Dot 8.**
- Create a new folder — **Dots 1 2 4 8.**
- Rename a file or folder — **Space + Dots 1 2 3 5.**
- Open the search window — **Space + Dots 1 2 4.**

6 Reader Application

The Reader application is a simple yet powerful tool that allows you to read and listen to books effortlessly. It supports multiple document formats, making it a versatile choice for users who enjoy consuming a lot of content. Let us explore how to use this application step by step.

6.1 Locating and Opening the Application

The Reader application is easily accessible from the home screen. Here is how you can open it:

- If you are in any other application, press Space + 1, 2, 3, 4, 5, 6 to return to the home screen.
- Press the Down Arrow until you hear “Reader.”
- You can also press R, as it is the access key for this application, to open it directly.
- If you have navigated using the Down Arrow, press the Select Key to open the application.
- When the application opens, it will announce “Please wait.”
- To close the application, press Space + Dots 1, 3, 5, 6.

6.2 Layout of the Home Screen and Navigation

When the Reader opens, the focus is on the Categories List. You will find two main options in this list:

1. My Bookshelf – This section stores all books detected in documents or books folder from the internal storage and SD card, as well as books manually added.
2. Recently Read – This section lists the ten most recently accessed books, allowing you to quickly continue where you left off.

Use the Up/Down Arrow Keys to navigate between these options.

6.3 Categories List Context Menu

The Categories List has a context menu with several useful options:

- To open the context menu, press Space + Dots 1, 3, 4.
- Use the Up/Down Arrow Keys to navigate through the menu options.

You will find the following options in the menu:

6.3.1 Add a Book

This option lets you add books from your internal storage or SD card..

- You can open this option from the context menu.
- A dialog box will open with two options: Internal Storage and SD Card (if inserted).
- Use the Up/Down Arrow Keys to navigate through folders and find your book.
- Press Select Key on a book to add it to your bookshelf.
- The book will load automatically, allowing you to start reading right away.
- To close the dialog, press Space + Dots 1, 3, 4, 6.

6.3.2 Add Online Services

- This option lets you add online libraries like Bookshare and Sugamya Pustakalaya..

Note: To learn about this topic, go to the next section online libraries.

6.3.3 Scan files

- This option will scan all the files saved in the books or documents folder and add them to my bookshelf.

6.3.4 Clear Recent

Clears all books listed in the “Recently Read” section.

6.3.5 Settings Dialog

The Settings Dialog in the Reader Application allows you to adjust how the device behaves while reading a book. This is especially useful if you have a preferred way of navigating books or if you would like the device to start reading automatically when a book is opened.

This dialog can be opened directly from the Categories List context menu.

Opening the Settings Dialog:

- First, make sure that focus is on the Categories List in the Reader Application.
- To open the context menu, press Space with Dots 1-3-4.
- Use the Up Arrow or Down Arrow keys to move through the list of options until you hear Settings.
- Once you have found the Settings option, press the Enter key to open the Settings Dialog.
- After entering into the dialog, use the Up Arrow and Down Arrow keys to move between different settings.
- When you are focused on a setting, use the Left Arrow or Right Arrow keys to change its value.
- As you move, Orbit Speak will announce both the name of the setting and its current value, so you always know what you are adjusting.

List of Settings and How They Work:

- **Automatically Read combo box:**
This setting controls whether the book starts reading by itself as soon as it is opened.
 - If this is set to On, the book will begin reading immediately.
 - If this is set to Off, you will need to press the Select key to start reading manually. Use the Left Arrow or Right Arrow keys to toggle this between On and Off.
- **Preferred Reading Mode for DAISY Books combo box:**
DAISY books often contain both text and audio recordings. This option lets you choose which one to use when reading a DAISY book.
 - **Text Mode:** The book's text will be read aloud by the Orbit Speak's speech synthesizer (TTS engine).
 - **Audio Mode:** The built-in recorded audio in the DAISY book will be played instead of synthesized speech. Use the Left Arrow or Right Arrow keys to choose between Text and Audio.
- **Heading Level Navigation combo box:**
Some books are organized using headings, similar to how web pages or word

documents have heading levels like Heading 1, Heading 2, etc.

This setting lets you decide whether you want to navigate only through the selected heading level, or include higher-level headings as well.

- Current Level: For example, if you are on Heading 2, you will only move to other Heading 2 entries.
- Current Level plus Higher Levels: If you are on Heading 2, you can move to Heading 2 and Heading 1.
Use the Left Arrow or Right Arrow keys to select your preference.

Confirming or Cancelling Changes:

- To save your changes, press the dot 8 key, the select key or move to the OK button at the bottom of the dialog and press Enter.
- To cancel and discard changes, press Space + E, or move to the Cancel button and press Enter.

6.3.6 Speech options

This is a dedicated speech settings option to adjust and change your reading preferences.

To use this option, do the following.

All the options available in this section are combo boxes, to change their value, press the left/right arrow keys.

- Press the select key to open this option.
- Navigate to different elements by arrow keys you will find,
- Engine combo: allows you to change between Runa TTS and speech by google.
- Language combo: allows you to change the language of your preference.
- Voice combo: allows you to select a voice of your liking.
- Speech rate combo: allow you to adjust how fast you want to read.
- Pitch combo: allow you to adjust the pitch of the preferred voice.
- volume combo: This option allows you to adjust the volume at which you want to listen to the book.
- Ok/Cancel button: As the name suggests, ok will save the changes and cancel will discard the changes.

6.3.7 Exit

This option closes the application and returns you to the home screen.

6.4 My Bookshelf and Its Features

The My Bookshelf section allows you to manage and access your stored books with ease. Once a book is added, it remains here for easy access.

6.5 My Bookshelf Context Menu

Press Space + Dots 1, 3, 4 to open the context menu in My Bookshelf. Here are the available options:

- Add a Book – Functions the same as in the Categories List.
- Open Book – Opens the selected book for reading.
- Delete Book – Press space + D, the shortcut key to open the Delete Book dialog directly. You can also access it through the context menu.
 - A confirmation dialog will appear with three options:
 - Delete from Bookshelf – Removes the book from the list but keeps the file on your device.
 - Delete from Device – Completely removes the book from your device.
 - Cancel – Closes the dialog without making any changes.
 - To exit this dialog, press Space + Dots 1, 3, 5, 6 or the cancel button.
- Exit – Closes the application and returns you to the home screen.

6.6 Reading a Book

When you open a book, the reader will start reading automatically. You can control playback using the following keys:

- Select Key, Space Bar, or Dot 8 Key – Pause or resume reading.

6.7 Navigating Through a Book

The Reader provides multiple ways to move through a book:

- By Minutes – Skip forward or backward by 1, 2, 5, or 10-minute intervals.
- By Word – Move one word at a time.
- By Sentence – Move sentence by sentence.
- By Page – Jump to the next or previous page.
- By Heading Levels 1, 2, 3 – Skip between different sections of a document using headings.

6.8 Dialog Boxes in Reading View

While reading, several dialog boxes provide additional functionality:

Find Dialog

- Press space + F, the shortcut key to open the Find dialog directly.
- You can also access it through the context menu.
- The focus is placed on the Find Edit Box where you can type the search term.
- Press Tab (Space + Dots 4, 5) to move to the Update Button which initiates the search.
- The next option is Cancel, which closes the dialog without performing a search.
- Press Space + Dots 1, 3, 5, 6 to close the dialog quickly or you can also press the cancel button.

Go to Location Dialog

- Press space + G, the shortcut key to open the Go to Location dialog directly.
- You can also access it through the context menu.
- The focus is placed on a Combo Box that lets you choose between Page, or Percentage.
- Press Right/Left Arrow to switch between these options.
- Press Down Arrow to move to the Enter Value Edit Field where you input the desired page or number or percentage.
- Press Down Arrow again to move to the OK Button to confirm.
- The next option is Cancel, which closes the dialog.
- If an invalid input is provided when the page is selected, it announces page not found. and if percentage is selected, it announces invalid input.

6.9 Reading View Context Menu

Press Space + Dots 1, 3, 4 while in reading view to open the context menu. This menu provides useful options to enhance your reading experience.

Options Available:

- File Menu (Press Right Arrow to expand)
 - Open Book – Switch to another book.
 - Close Book – Return to My Bookshelf.

- Close Book and Clear Position – Resets the reading position when closing the book.
- Exit – Returns to the main reading view.
- Go To Menu
 - Find – Press space + F to open directly.
 - Find Next/Previous – Move between search results.
 - Go to Location – Press space + G to open directly.
- Reading Menu
 - Toggle Continuous Reading – Reads the document continuously.
 - Read Current Paragraph, Sentence, or Page – Useful for reviewing specific sections.
- Bookmarks Menu
 - Set a Bookmark – Saves the current position.
 - Jump to Bookmark – Moves to a previously saved bookmark.
 - Delete Bookmark – Removes an existing bookmark.
 - Bookmarks List – Displays all saved bookmarks.

To exit the menu, press Dot 7.

6.10 Recently Read

The Recently Read section allows you to quickly access the last ten books you opened, making it easy to continue reading without manually searching for the file.

Locating and Opening Recently Read

- To access the Recently Read section, navigate to the Categories List using the Up/Down Arrow Keys until you hear “Recently Read.”
- You can also press R, as it is the shortcut key to directly jump to this section.
- If you are in another part of the app, press Space + Dots 1, 3, 5, 6 to return to the Categories List and then navigate to Recently Read.
- Once you are on the Recently Read option, press the Select Key to open the list of recent books.

Navigating the Recently Read List

- Use the Up/Down Arrow Keys to browse through the list of recently opened books.
- Press the Select Key on any book to reopen it from the last saved reading position.

6.10.1 Recently Read Context Menu

The Recently Read section also has a context menu that allows you to manage the list efficiently.

- To open the context menu, press Space + Dots 1, 3, 4.
- Use the Up/Down Arrow Keys to navigate through the options.

Options Available in the Context Menu:

1. Open Book – Opens the selected book from the Recently Read list.
2. Clear Recent – Removes all books from the Recently Read list while keeping them in My Bookshelf.
3. Exit – Closes the Recently Read list and returns to the Categories List.

To exit the context menu without making any changes, press Space + Dots 1, 3, 5, 6. Bottom of Form

7 Online Libraries

7.1 Introduction

The Online Libraries feature allows users to access and manage content from various online libraries for blind directly within the Reader application. Users can log in to supported services, search for books, download them, and manage their online library accounts.

7.2 Accessing Online Libraries

The Online Libraries feature is available as a category within the Reader application. To Access it, do the following:

- Navigate to the Main Categories List by pressing dot 7 if you are in bookshelf and find the book reader app and press the select key if you are not in the application.
- Press down arrow to find and Select Online Services.

- A dialog named online services list will open. This section will show the libraries you are logged into and will let you access it.
- If no services are added, the message "No online services, use the context menu to add an online service" will be announced.
- Add a service, open the Context Menu by pressing dot 1, 3,4. Alternatively you can press Dot 8 + A to open Add an Online Service dialog, and your focus will switch to the list of libraries.

6.2. Managing Online Services

6.3.1. Adding an Online Service

- Open the **Online Services** category. Your focus will be on online services list.
- Open the **Context Menu (Space + M, Dots 1-3-4)**.
- Select **Add an Online Service**.
- Select the library you want to log in from the list of libraries and Enter login credentials in the dialog box and confirm.
- The service will be added to the list upon successful login.
- The added library will now show in the online services list.

Note: The same option is available in the categories list context menu for easy access.

7.2.1 Deleting and Logging Out

- Go to the online services list and Focus on the library service to be removed.
- Open the **Context Menu by pressing space + dot 1, 3, 4**.
- Find and Select **Delete and Log Out**.
- A confirmation dialog will appear with **Yes** and **No** options.
- Confirming will remove the service and delete all books downloaded from that library.

7.3 Navigating Online Library Content

- After logging in to an online service, select it from the online services list.
- The next list will display available categories within the selected library.
- Navigate through categories using arrow keys.
- Press **Enter** or **Select** to move into a category.
- Press **Space + E** or **Space + Z** to go back to the previous page.

7.4 Searching for Books

- From the online services list, select and Open the **Online Service** and navigate to its categories.
- Open the context menu by pressing space + dot 1, 3, 4. Locate the **Search** option and select it.

- Alternatively, press **Space + F** to open the search dialog.
- Enter a search term and press **Enter**.
- A list of search results will be displayed.
- Selecting a book by pressing the select key from the search results will provide book details.

7.5 Viewing Book Information

- Navigate to a book in the list.
- Press the select key or **Dot 8 + I** to open the **Book Information Dialog**.
- The dialog displays details such as:
 - Title
 - Author
 - Format
 - Availability
- Options within the dialog include:
 - **Download Book**
 - **Close**

7.6 Downloading Books

- Select a book from the library.
- Open the **Context Menu** and choose **Download Book**. Alternatively, you can also download the book from the book details dialog.
- A **Download Screen** will display progress.
- The download can be cancelled by pressing **Escape**.
- Upon completion, the book will automatically open for reading.
- Downloaded books will appear in the **Downloaded Books** category.

7.7 Streaming Books (If supported)

- If the online library supports streaming, an option to **Stream Book** will be available in the context menu.
- Selecting this option will start playback without downloading.

7.8 Returning or Issuing Books (If supported)

- In the **Context Menu**, options for **Issue Book** and **Return Book** may be available.

- Selecting **Issue Book** will mark the book as checked out.
- Selecting **Return Book** will remove the issued status from the book.

7.9 Exiting Online Libraries

- Press **Space + Z** at any point to return to the previous menu.
- Press **Space + Z** again from the main screen to exit the Reader application.

8 Media Player

Orbit Speak is equipped with a simple application to play audio files. It supports the following formats: MP3, WAV, WMA, FLAC, AAC, RA, M4A, OGG, and APE.

8.1 Opening the Media Player

To open Media Player, do the following:

- **Switch to the Home Screen** by pressing **Space + Dots 1 2 3 4 5 6**.
- **Navigate to the Media Player application** or type **M (Dots 1 3 4)**. If you have navigated using the arrow keys, press the **Select key** to open the application.
- When the application opens, you will hear: *“Media Player, press Select or Space to play.”*
- If opened for the first time, you will immediately be prompted to open File Manager to select a file to play. To open File Manager, press **Dots 1 3 5 8**.
- When reopening Media Player, you will be prompted to continue playback; press **Space or the Select key** to resume. Playback will start from the last position. Press **Space or the Select key** again to pause.
- To close the Media Player application, press **Space + Dots 1 3 5 6 (Space + Z)**.

8.2 The Playback Screen

8.2.1 Movement Units and Navigation

Users can navigate the track using various movement units. The **Up Arrow** or **Down Arrow** keys cycle between the available movement units, while the **Left Arrow** or **Right Arrow** keys navigate according to the selected unit. The available movement units are:

- 5 seconds

- 10 seconds
- 30 seconds
- 1 minute
- Track
- Playback speed

These movement units can be managed from a new settings dialog, which allows you to choose which units will be available during navigation.

8.2.2 Global Commands

The following global commands are available on the playback screen:

- **Dot 1:** Move to the previous track.
- **Dot 8 + H:** Toggle shuffle on or off. When toggled, the player will randomly skip tracks from the currently selected folder. A message “shuffle on” or “shuffle off” is announced.
- **Dot 4:** Move to the next track.
- **Dot 2:** Decrease volume by 5%; the new volume percentage is announced.
- **Dot 8 + R:** Toggle repeat modes (repeat file, repeat all, or off) as per the functionality in the current context menu.
- **Dot 5:** Increase volume by 5%; the new volume percentage is announced.
- **Dot 3:** Decrease playback speed; the new playback speed value is announced.
- **Dot 6:** Increase playback speed; the new playback speed value is announced.
- **Dot 8 + T:** Speak the current time, the remaining time, and the total track time.
- **Space + N:** Speak information about the currently playing track.
- **Dot 8 + S:** Open the player settings dialog.
- **Dot 8 + O:** Open the file explorer (or file manager) to select a new file or folder for playback.
- **Select or Space:** Play or pause the track.

8.2.3 Speak Track Title

When opening the Media Player for the first time, the application will announce its name, the title of the current track, and its state (paused or playing). There is a setting available in the settings dialog to enable or disable the automatic speaking of the track title. When navigating between tracks, the track name will be announced based on this setting.

8.3 6.3 The Context Menu

The context menu for the Media Player includes the following items:

- **File Explorer:** Opens the file explorer (file manager) to select a new folder or file for playback.
- **Playback Speed Sub Menu:** Allows you to choose a specific playback speed.
- **Shuffle:** Toggles shuffle mode on or off (same functionality as **Dot 8 + H**).
- **Repeat:** Toggles repeat mode on or off (same functionality as **Dot 8 + R**).
- **Settings:** Opens the settings dialog.
- **Exit:** Exits the Media Player application.

8.4 Settings Dialog

A new settings dialog is available to adjust Media Player parameters. The settings dialog contains the following elements:

- **Automatically Speak Track Title:** A combo box with options **On** or **Off**. Press left/right arrow to enable/disable it.
- **Movement Units List:** A list with checkboxes for each movement unit (e.g., 5 seconds, 10 seconds, etc.). to move between the units, press left/right arrow keys and to toggle each unit, press the **Space key**. use the **Up Arrow** or **Down Arrow** keys to navigate between items in the settings.
- **Equalizer:** A combo box listing various equalizer presets. Press left/right arrow to move between them and press the select key to apply.
- **OK and Cancel Buttons:** To confirm or cancel changes. When not focused on the movement units list, you can save by pressing **Select** or **Dot 8**; to cancel, press **Space + E** or **Space + Z**.

Navigation between dialog elements is performed using **Tab** (Space with Dots 4-5) to move forward, and **Shift + Tab** (Space with Dots 1-2) to move backward.

9 Podcast Application

9.1 Introduction

The Podcast Application is a powerful platform for consuming a wealth of knowledge on a wide range of topics—from science and sociology to self-help and beyond. With this app, you can effortlessly tap into a vast amount of information on the internet, all without distraction. so, let us learn how to use and operate this application.

To open the application, follow these steps:

1. If you are in another application, return to the **Home Screen** by pressing **Space + Dots 1 2 3 4 5 6**.
2. Press the **Down Arrow** until you hear **Podcast (P)**.
3. Alternatively, you can press **P**, as it is the quick access command to open the Podcast Application directly.
4. Once opened, the focus will be placed on the **Podcasts List**, where you can manage your podcasts.

To close the application, press **Space + Z (Dots 1 3 5 6)**.

9.2 The Main Screen

The main screen consists of two lists:

- **Podcasts List:** Displays all the podcasts that you have added. You can browse through the list using the navigation keys.
- **Episodes List:** When a podcast is selected, this list will show all available episodes for that podcast.

To switch between these lists, use **Tab** (Space with Dots 4 5) and **Shift + Tab** (Space with Dots 1 2). Alternatively, pressing **Enter** on a selected podcast will shift the focus to its episodes list.

9.3 Managing Podcasts with the Context Menu

Access the **Podcasts List Context Menu**, press **Space + M (Dots 1 3 4)**. This menu provides various options to manage your podcasts effectively:

9.3.1 Add Podcast from URL:

If you have a direct URL for a podcast feed, you can manually add it by selecting this option and entering the URL. To do that follow the steps below.

- Open the context menu by using space + M.
- Use arrow keys until you find add from URL dialog and press the select key to open it.

- Upon opening the dialog, you will be presented with an edit box asking the URL for the podcast to be added.
- Type The URL and press down arrow to reach the ok button.
- press the select key on the ok button to validate the URL.
- If the URL is not valid, the device will announce that URL is not valid.
- If the URL is valid, the device will say that URL added successfully.
- To discard the changes or to close the dialog, press the back key or the cancel button at the end.

9.3.2 Search for Podcasts:

This option allows you to search for podcasts by name or topic using the iTunes database. To do that, follow the steps below.

- Open context menu and navigate to the search for podcast dialog.
- Press the select key to open it.
- When you open the dialog, you will be presented with a search edit box, type the keyword for the podcast and press the select key.
- To cancel the search, press the back key or the cancel button at the end of the dialog.
- If podcasts are available with the keyword you typed, the device will display a list.
- If the podcasts are not available with the keyword, the device will announce no podcasts found.
- Press the select key on any podcast to add them to your podcast list and press the back key to return to the previous window.

9.3.3 Select all podcasts:

This option allows you to select all the podcasts available in your podcasts list. You can also select the podcast by using the space key.

9.3.4 Clear selection:

This option clears the selection from the selected podcasts.

9.3.5 Delete Podcast:

Removes the selected podcast from your list. You can also use the shortcut **Space + D (Dots 1 4 5)** to delete a podcast quickly.

9.3.6 Podcast Details:

Opens a dialog containing all the relevant information about the selected podcast, such as its title, description, and available episodes. You can also access this option using **dot 8 + I (Dots 2 4)**.

9.3.7 Import .OPML File:

Allows you to import an OPML file containing multiple podcasts.

9.3.8 Export to OPML File:

Saves your current list of podcasts as an OPML file for backup or sharing.

9.3.9 Check for new episodes:

This option will check for new episodes available in the podcasts you have in the podcast list.

Note that it will only check for episodes if you have the focus on the podcast or you have selected them using the space key.

9.3.10 Exit:

- Closes the podcast application.

9.4 Settings

The **Settings** dialog, which is accessible from the context menu on the home screen allows you to customize various aspects of the applications behaviour. Below is an overview of the available settings:☐

9.4.1 Default Storage for Downloading Episodes

- This option allows you to Choose the storage location for downloaded episodes.
 - **Internal Storage:** Save episodes to the device's internal memory.
 - **SD Card:** Save episodes to an external SD card.
- : Use the **Left/Right Arrow Keys** to switch between options.☐

9.4.2 Default Action When Activating an Episode

- This option Determines the default behaviour when opening or activating an episode.
- **Options:**
 - **Stream:** Play the episode online without downloading.
 - **Download:** Download the episode for offline listening.
 - **Download and Stream:** Download the episode and start playing it after the download completes.
- Use the **Left/Right Arrow Keys** to switch between options.☐

9.4.3 Episode Playback Behaviour During Text-to-Speech (TTS)

- This option allows you to Control how audio playback interacts with TTS announcements.
- **Options:**
 - **Duck Audio Playback:** Lower the volume of the podcast audio when TTS speaks.

- **Pause Audio Playback:** Pause the podcast audio during TTS announcements.
- **Off:** Continue playing podcast audio without any adjustments during TTS.
- Use the **Left/Right Arrow Keys** to switch between options. □

9.4.4 Date Display Format

- This option allows you to Select how dates are displayed when you check the podcast status.
- **Options:**
 - **Absolute:** Display dates in the format DD/MM/YYYY.
 - **Relative:** Display dates as relative times, such as "2 days ago."
- Use the **Left/Right Arrow Keys** to switch between options. □

Note: The selected date display format affects how dates are shown in the modified playlist status and other date-related fields within the application. □

9.5 Managing Episodes with the Context Menu

The **Episodes List** also has a context menu with options specific to managing episodes. Open the menu, press **Space + M (Dots 1 3 4)** when focused on an episode. The following options are available:

- **Play Episode:** Starts playback of the selected episode.
- **Download Episode:** Saves the selected episode for offline listening.
- **Episode Information:** Displays details about the episode, such as its duration, release date, and description. You can access this using **dot 8 + I (Dots 2 4)**.
- **Delete Episode:** Removes the selected episode from your list. This can also be done quickly using **Space + D (Dots 1 4 5)**.

9.6 Searching for Podcasts

Use search for podcast, first come out from the episodes list by pressing space + dot 4, 5. Now open context menu by pressing space + dot 1, 3, 4. Find the search option and press the select key on it.

The **Search for Podcasts** screen includes:

- A **Search Field** where you can type in the name or keywords related to a podcast.
- A search button to search the typed keyword.
- A **Close Button** to exit the search screen.

After typing in the search field, press **Enter** to fetch the search results. Use the navigation keys to browse through the results. Pressing **Enter** on a podcast in the results list will add it to your personal podcasts list automatically.

9.7 Playback Screen Controls

When an episode is playing, you can control playback using the following commands:

- **Space (Pause/Resume Playback):** Pressing **Space** will toggle playback on and off.
- **Dot 1:** Move to the **previous** chapter.
- **Dot 4:** Move to the **next** chapter.
- **Dot 2:** Decrease volume by **5%**.
- **Dot 5:** Increase volume by **5%**.
- **Dot 3:** Decrease playback speed.
- **Dot 6:** Increase playback speed.
- **F1:** Decrease volume (not by 5%).
- **F2:** Increase volume (not by 5%).
- **Space + Z (Dots 1 3 5 6):** Close the player dialog. When closed, audio playback stops.
- **Enter + C (Dots 1 4):** Opens a list of available chapters within the episode. Pressing **Enter** on a chapter will start playback from that point.

9.8 Configuring Settings

The **Settings Screen** can be accessed from the **Podcasts List Context Menu** by pressing **Space + M (Dots 1 3 4)** and selecting "Settings." Inside the settings menu, you will find:

- **Default Storage Location:** Choose whether downloaded episodes should be stored on the SD card or internal storage.
- **Movement Units List:** A list of movement units available for playback navigation. You can enable or disable movement units by pressing **Space** when focused on an item.
- **Audio Behaviour During Playback:** Select whether the application should **duck** audio or **pause** playback when speech output is activated.

10 Internet Radio

The Internet Radio application allows you to listen to a diverse range of radio stations from across the globe. It requires an active internet connection and lets you browse through a wide variety of stations or add your own if they are not listed. Let us explore the features of this amazing application.

10.1 Opening and Navigating the App

10.1.1 Steps to Open the App

1. Connect to Wi-Fi:

Ensure a strong Wi-Fi connection. If you open the app without the internet, the app will still open but will not announce anything.

2. Navigate to the Internet Radio App:

Press Space + Dots 1, 2, 3, 4, 5, 6 to go to the home screen.

Use the down arrow key to navigate until you hear "Internet Radio."

You can also press I as a shortcut to open the application.

3. Launch the App:

Press Enter or the Select key. A progress tone will indicate that the app is loading the list of countries to retrieve available stations.

4. When the application is loaded, focus is placed on the categories list, which includes various categories such as browse stations, favourites, etc. We will explore this list later in the user guide. In addition to the categories list, there is the values list for the selected category. Navigating between these 2 lists is done with tab and shift + tab (space with dots 4-5 or 1-2). The default category is the browse station category, which allows browsing stations by country. Press tab (space with dots 4-5) to navigate to the list of available countries.

10.2 Searching for stations

10.2.1 Navigating the Country List

1. After navigating to the countries list, you will find yourself in a list of 220 countries.

2. Use the up/down arrow keys to navigate through the list. You can also use letter navigation to quickly jump to a specific country, like other lists.

3. Select a country by pressing Enter.

10.3 Playing a Radio Station

10.3.1 Opening the Station List

1. After selecting a country, you will hear the list of stations available.
2. Use the arrow keys to navigate through the station list. You can also use letter navigation to quickly jump to a specific station.
3. Select a station and press ENTER or the Select key to open the radio player.

10.4 Using the radio Player

When the radio player opens, the station will start playing immediately.

To pause or resume the music, press space or the select key.

10.4.1 Global commands

In order to operate the radio player, the following commands will be helpful.

- Play/pause: select key or the space key.
- Decrease volume: dot 2.
- Increase volume: dot 5.
- Open context menu: press space + dot 1, 3, 4.
- To start and stop recording the radio music: press f3.

10.4.2 Radio player context menu

The radio player has a context menu which contains several options

- Play/pause: if you have paused the audio and open the menu , you will have play and if you are playing and you open the menu, the pause button will be announced.
- Start/stop recording: this option lets you start and stop recording same as the f3 key.
- Exit: Same as space + e, exit you from the current window or section.

10.4.3 Closing the Media Player

You can close the player using any of these options:

- A. Press Space + Z.
- B. Press Space + E.

After closing the player, focus will return to the station list. To return to the country list, press Dot 7.

10.5 Searching for Stations

Finding a station among hundreds manually can be time-consuming. The Find feature helps locate your favourite stations quickly.

1. Activate the Find Feature by pressing Space + F/Dots 1, 2, 4 to open the search dialog.

2. Enter the Station Name:

Type the station name into the edit field and press Dot 8.

3. Browse Search Results:

Use the arrow keys to navigate the results.

4. Exit the Search:

Press Dot 7 to return to the country list.

10.5.1 Station Context Menu

The context menu provides additional options for each station.

10.5.2 Accessing the Context Menu

- Focus on a station in the list.
- Press Space + M to open the context menu.

10.5.3 Context Menu Options

- Play Station: Play the selected station.
- Add to Favourites: Mark a station as a favourite to avoid searching for it again.
- Press the Select key to add the station to the favourites list.
- Station Information: View the station's details, including its URL and name.
- Press the Select key, then use the down arrow key to navigate through the information.
- Settings: This option contains a very useful option inside it.
 - Default recording storage location: This option allows you to select where you want to save your radio recordings, in internal storage or SD card!
- Exit: Closes the context menu.

10.6 Exploring the Categories List:

The Categories List acts as the home screen for the Internet Radio application.

Sections in the Categories List are:

10.6.1 Browse Station:

- This is the default section when the app opens. Up until now whatever we have learnt is part of the Browse station.
- Press the left arrow to return here from other sections.

10.6.2 My Stations:

- Displays stations you have manually added using the add station from URL Option.

10.6.3 Favourites:

- This option allows you to access all the stations which you have added to the favourites.
- Enter on the favourites option and press the select key. Now press up/down arrow to see the added stations and press the select key to play.

10.6.4 Recently Played:

- When you go to the recently played option, it displays a list of stations which were played by you a little while back. You can choose any of these and press enter to play them.

10.7 Categories List Context Menu:

- Press the menu key to open the context menu.
- Available options include:

10.7.1 Search for Station:

- This option Opens the search dialog. Where you can search for stations.

10.7.2 Add Station from URL:

- This option allows you to add a station of your choice and which is not there in the listed stations in the application. The process to add a station is very easy.

To add a station, follow these steps:

1. First, press the select key to open the add a station from URL dialog. Then follow the below steps.
2. When you enter the add a station from URL dialog, your default focus will be on station name where you can type the name of the station.
3. After typing the name press down arrow to take your focus to the URL edit field where you can type the URL of the station's website.
4. Press the select key on the Play button to save and play the station.
5. If the URL is incorrect, the app will announce "Error" and prompt you to try again.

Note: The stations added using this method can be accessed from my stations.

10.7.3 Settings

Default Storage Location Combo Box

This setting, accessible via the **Settings** dialog, allows you to specify where your radio recordings will be saved.

The options include:

1. **Internal Storage**
2. **SD Card**
 - Use the **Left/Right Arrow Keys** to toggle between the options.
 - Press the **OK** button to save your selection.
 - Press the **Cancel** button to discard any changes.

Selecting the appropriate storage location ensures that your recordings are saved in your preferred memory space.

10.8 Closing the Application

Exit the Internet Radio app:

Press Space + Z.

11 Utilities menu

11.1 Check the battery status

In the utilities sub-Menu, the first option is to check battery status, you can press enter on it to check battery status. You can also **press U** for utilities and **B** for battery to check the status.

11.2 Check the Current Time

Next to the battery status, you have the option to check the current time. Press Enter to check the time. or press U for utilities and T for time to confirm if you are on the home screen. You can also use the command **Space + Dots 2, 3, 4, 5**.

11.3 Check current date

There is an option to check the current date in utilities menu, after the current time. To check the current date, press enter on the option itself in the utilities menu or **press U** for utilities and **D for Date** to check if you are on the home screen.

11.4 Calculator

Your Orbit Speak has a simple calculator app allowing you to calculate mathematical expressions.

To open the Calculator application, do the following:

- Switch to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Navigate with Up and Down arrows to Utilities submenu, then press **Right Arrow** to open the submenu. Navigate with your Up and Down arrows to the Calculator application and press **Select**. If you are on the home screen, you can also press **F1 + T (F1 + Dots 2 3 4 5)** or type **U** for Utilities, then **C** for Calculator.

The application is now open and ready to use. Use the Perkins keyboard to type numbers and basic arithmetic operators in computer Braille.

If you type a wrong number, you can erase it. To do this, press **Dot 7**.

To calculate an expression, press **Dot 8**. The device will speak the result of the calculation. Press **Dot 8** once more if you want to hear the result again.

To clear the display completely, press **Space + Dots 1 4 5 (Space + D for Delete)**.

To close the Calculator application, press **Space + Dots 1 3 5 6 (Space + Z)**.

11.5 Calculator Menu

The menu of the Calculator application contains arithmetic operator signs: Plus, Minus, Multiply and Divide By. You can use it instead of manually typing the operator symbols in computer Braille.

- To open the menu, press **Space + M (Space + Dots 1 3 4)**.
- To close the menu, press **Space + Dots 1 3 5 6 (Space + Z)**.
- Navigate through the menu using Up and Down arrow keys.
- To select a menu item, press the **Select** key.

11.6 Calendar

Your orbit speak device has an inbuilt calendar application which is extremely useful as well as extremely easy to use. It has a simple calendar format, a choice to create an event, manage the event, set alerts for the events and more.

To open your calendar application, go to the home screen by pressing **space + dots 1, 2, 3, 4, 5, 6**.

Press the down arrow until you hear utilities sub-menu, navigate to the utilities until you here calendar and press select.

You can also use the quick access key such as U for utilities and I for calendar.

When the application opens you will hear the date followed by its month and the year as well as no appointments.

Note: the quote no appointments refer to the appointments or reminders set on the specific date if no such reminders are set it will announce no appointments.

You can navigate the date by pressing left, right, up, and down arrow keys.

In this the left and right arrow keys let you one day or date forward or one day or date backwards.

Whereas the up and down arrow keys leave you one week or 7 days forward or 1 week or 7 days backward.

11.6.1 Event list choice

If you press select key on a specific date, a list called event list will open where you will find all you set. If you have more than one event on a single day this choice is extremely useful for you, as you can refer to the desired event you want to know about and want to have information.

To come out from the event list press **space + z / dots 1, 3, 5,6**.

11.6.2 Calendar menu choice

There are a total of three menu options in the calendar menu.

- New event.
- Go to date.
- Exit.

11.6.3 New event

To create a new event, first open the application and go to the date where you want to set an event or appointment.

Now on the date you selected press **space + m / dots 1, 3, 4**.

By pressing the above command, you will enter the calendar menu and in it you will find a new menu choice, which is the first of the three menus.

Press selects to open the new event dialogue box.

Your focus on opening the dialog box will be in the event title edit box.

Now press tab and shift tab or arrow keys to navigate through the options.

Here is a list of options and their general description.

1. Event title: write event or appointment name.
2. Event description: Write a description about your event or appointment.
3. Event location: Write down the location of your event or appointment.
4. Alert tone: select a tone to get alert when an event or appointment is near by pressing the left or right arrow.
5. Event start month: select the start month.
6. Event start date: Select the start date.
7. Event Start year: Select the start year.
8. Event end month: select the end month of event.
9. Event end date: Select the end date.
10. Event end Year: Select the End year.
11. Event start hour: Select the start hour of your event.
12. Event start minute: Select event start minute.
13. Event starts AM/PM: Select whether you want to do the event in the morning or in the evening.
14. Event end hour: Select the end hour of the event.
15. Event end minute: Select the end minute of the event.
16. Event end time A M/ PM: Select whether you want to end the event in the morning or the evening.
17. Event alert time: Select when do you want to get alert for the event before it starts.

After these options you will find ok and cancel buttons, if you want to go ahead then press ok button otherwise press cancel button.

If you want to come out of the dialogue between press **space + z / Dots 1, 3, 5, 6**.

Note: To change the value of a combo box Press left or right arrow keys.

11.6.4 Go to date:

The go to date is an especially useful feature if you want to jump to a date which is not near your focus.

To access this dialogue box, press **space + M/ dots 1, 3, 4**. Find go-to-date choice and hit select button. You can also press **space + M / Dots 1, 3, 4**, and **G / Dots 1, 2,4,5**. To directly open the go-to-date dialogue box.

Here is the list of options you will find in the dialogue box.

1. Day of month: Here type the specific date you want to jump to.

2. Month: Select the month.
3. Year: Select the Year.

After the above options you will find ok and cancel button, choose the choice of your liking.

To come out of the dialogue box in between press **space + Z / dots 1, 3, 5, 6**.

Note: To change the value of a combo box Press left or right arrow keys.

11.6.5 exit:

If you are in the menu and you do not want to do anything, then you can come out by pressing on exit or pressing **space + Z / Dots 1, 3, 5, 6**.

You can activate or deactivate your alarm without deleting it from the alarms list. To do this, select the *Toggle On/Off* menu item. You will hear the new alarm status, and the menu will close. You can also activate and deactivate the alarm directly in the alarms list without opening the context menu. To do this, simply press the **Spacebar**. You can also delete an alarm without using the menu. To do this, press **Space + D**, and the confirmation dialog will open. Select the *Exit* menu item to close the Alarm Clock application.

11.7 Clock and Alarm

Your Orbit Speak has a simple and easy to use Alarm Clock app that allows you to set an alarm, as well as store a list of your regular alarms and toggle them on and off when you need them.

To open the Alarm Clock application, do the following:

- Switch to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Navigate to the Utilities submenu, then press **the Right Arrow** to open the submenu, navigate to the Alarm Clock application and press **Select**. Alternatively, while on the home screen, you can type **U** for Utilities, then **A** for Alarm Clock.

You will land on the alarms list. When you open it for the first time, you will hear a message that the alarm list is empty.

11.7.1 Adding a New Alarm

To add a new alarm, press **Dots 1 3 4 5 8**.

The Create New Alarm Clock dialog box opens. It contains the following elements, — all of them are combo boxes:

- *Hour*;
- *Minute*;
- *Alarm tone*: Tone 1, Tone 2, Tone 3, or Vibration only;
- *Alarm duration*: 1 minute, 2 minutes, 3 minutes, 5 minutes, or 10 minutes;
- Repeat interval: 1 minute, 3 minutes, 5 minutes, 10 minutes, 15 minutes, 20 minutes,

or off;

- *Frequency*: Just once, Every Sunday, Every Monday, Every Tuesday, Every Wednesday, Every Thursday, Every Friday, Every Saturday, or Every Day.

This dialog also contains two buttons: OK and Cancel.

To move from one of these items to another, press **Up Arrow**, **Down Arrow**, or **Space + Dots 4 5** (Tab).

To select a value in one of the combo boxes, use Left and Right arrows. The selection applies immediately, so you can move with your Up and Down arrows through other elements of the dialog. The meaning of the combo boxes is described below.

Hour — Select the hour in 24-hour format.

Minute — Select the minutes.

These two combo boxes together determine the time (hours and minutes) when you want to hear the alarm.

Alarm tone — Select one of three ringtones or a vibration-only option. As you navigate through the items in the ringtone list, you will hear exactly what the alarm will sound like.

Alarm duration — Choose how long the alarm will last if it is not turned off.

Repeat interval — Set the time interval when the alarm will sound again if you choose to snooze.

When you have finished setting all the values, go to the *Ok button* and press the **Select** key to confirm.

The newly created alarm will appear in the alarms list.

11.7.2 When Your Alarm Goes Off

To simply turn off the alarm, press **Space + Z** (**Space + Dots 1 3 5 6**).

When your alarm goes off, a dialog box opens that contains 4 items:

Alarm event — dialog title, is in focus when the alarm rings;

The current time;

Snooze;

and dismiss.

Move between these items using Up and Down arrows.

To postpone the alarm, go to the *Snooze button* and press **Select**.

To turn off the alarm, go to the *Dismiss button* and press **Select**.

11.7.3 Alarm Clock Menu

When you are in the list of your alarms, you can perform various actions using the menu of the Alarm Clock application.

To open the menu, press **Space + M (Space + Dots 1 3 4)**.

When the alarm list is empty, the menu contains only two items:

- *New Alarm*, N
- *Exit*, X.

The letter you hear after the name of a menu item is its quick access command. Type it on the Perkins keyboard to perform the desired action. Alternatively, navigate to the desired menu item using Up and Down arrows and press **Select**.

When the alarms list is not empty, before opening the menu, navigate to the alarm you want to perform actions on, then press **Space + Dots M**.

The menu now contains the following items:

- *New Alarm*, N;
- *Edit Alarm*, E;
- *Delete Alarm*, D;
- *Toggle On/Off*, O;
- *Exit*, X.

You can create a new alarm as described above.

Select *Edit Alarm* to modify an alarm that has already been created. The same window opens as when you created the alarm, and you can select new values.

If you select the *Delete Alarm* menu item, a window opens to confirm alarm removal. It contains a button to confirm and a button to cancel. Use **Space + Dots 4 5** (Tab) or Up and Down arrow keys to move between them. Then press the **Select** key.

11.8 Contacts

In your orbit speak device, there is an app called contacts. As the name suggests, it allows you to create new contacts, edit the existing contacts and save them for future references. But That is not all, you can save more than a phone number and a Name of the person. We will investigate all the features and choices below.

11.8.1 Navigating and opening the contacts app

To open the contacts app, first go to the home screen if you are not there by pressing **Space + Dots 1, 2, 3, 4, 5, 6**.

After that navigate to the utilities menu either by pressing the down arrow or the quick access key U.

Now open the menu by pressing the right arrow or the select key. After that navigate to the Contacts app by pressing the down arrow or its Quick access key O, and press select there.

When you open the contacts app the orbit speak will announce “Contacts list No contacts” If you have created a contact before it will announce “Contacts list and the name of the contact.”

11.8.2 Creating a new Contact

To Create a new contact, go to the app, and open it by following the above steps.

Now press Space + M to open the menu. You will hear the Contacts menu, new contact S.

Press the select key to open the new contact dialogue.

Here you will find 14options to add diverse types of information.

Note: Except for the first name edit field, none of the fields are required fields.

Below are all the fields you will find in the new contact dialogue and their description if needed.

1. First Name Required: Type Your First name.
2. Last Name: Type Your Surname.
3. Email Address: Type Your Email address.
4. Telephone number: Type your telephone number if you have.
5. Mobile Phone: Type your mobile number.
6. Office Phone: Type your office phone number if you have any.
7. The fax Number: Type the Fax Number if you have one.
8. Address line 1: Type the first part of your address, like building name/house number or name of society/ block.
9. Address line 2: Type the second part of your address, like area name or nearby location.
10. City: Type the name of the city.
11. State: Type the name of State.
12. Zip code: Type the zip code also known as pin code.
13. Country: Type the name of the country.
14. Website: Type the name or address of your website if you have.

After these fields you will find ok and cancel buttons, if you want to go ahead then press ok otherwise press cancel.

If you are creating the contact and you want to stop, **press space + Z / dots 1, 3, 5, 6**. The device will ask whether you want to save the changes you made or not, if you want to save the progress, then press Yes, otherwise No.

11.8.3 Editing the existing contact

The choice called edit contact lets you rename a name, add the fields which you have not filled previously and change the existing field. But you will not find this choice if you have not yet created a contact. You will only see this if you are making changes to the existing contact.

The fields in the edit contact dialogue box are the same as they were in the new contact dialogue.

Below are the fields for the edit contact dialogue for your reference.

1. First Name Required: Type Your First name.
2. Last Name: Type Your Surname.
3. Email Address: Type Your Email address.
4. Telephone number: Type your telephone number if you have one.
5. Mobile Phone: Type your mobile number.
6. Office Phone: Type your office phone number if you have any.
7. The fax Number: Type the Fax Number if you have one.
8. Address line 1: Type the first part of your address, like building name/house no or name of society/ block.
9. Address line 2: Type the second part of your address, like area name or nearby location.
10. City: Type the name of the city.
11. State: Type the name of State.
12. Zip code: Type the zip code also known as pin code.
13. Country: Type the name of the country.
14. Website: Type the name or address of your website if you have.

After these fields you will find ok and cancel buttons, if you want to go ahead then press ok otherwise press cancel.

If you are creating the contact and you want to stop, **press space + Z / dots 1, 3, 5, 6**. The device will ask whether you want to save the changes you made or not, if you want to save the progress, then press Yes, otherwise No.

11.8.4 Exiting the dialogue and the application

You know that to exit the dialogue you will press **space + Z / dots 1, 3, 5, 7 6**.

So, to exit the menu just **press dot 7**.

And to Exit the application, press **space + dots 1, 2, 3, 4, 5, 6**.

To close the application press **space + Z / Dots 1, 3, 5, 6**.

11.9 Voice Recorder

The voice recorder is a simple to use application which allows you to record lectures in your class, take voice notes in a conference and more.

You can start recording directly from the application or from anywhere on the device by using a global shortcut. It has quite a simple and understandable layout which helps in navigating and accessing your recordings with ease.

So, let us dive deep and explore this application.

11.9.1 Locating and opening the application

- The voice recorder application can be launched from the utilities sub menu located in the home screen.
- If you are not on the home screen, press space + dots 1-2-3-4-5-6 to go there.
- Now press the down arrow until you hear utilities sub-menu.
- Press the right arrow to expand the menu.
- You can also use the letter U, as U is an access key to go and expand the utilities sub-menu quickly.
- Now press down arrow until you hear “Voice Recorder.”
- Press dot 8 or the select key to open the application.
- Also, you can use the letter R, as R is an access key to open the voice recorder.

11.9.2 User interface and navigation

When opening the application, you are placed on its main screen.

There are three options on this screen, and you can navigate to those options by using the up/down arrow keys, or space + dots 4-5 or 1-2 as per tab and shift + tab.

The Options are:

1. **record button:**

This Option as the name suggests starts recording when activating it. You can also use the command enter with R to start recording.

2. View recordings button:

This option allows you to view the recordings you made and saved.

3. Recording time:

This option is not a button or any other actionable item, this is an indication which allows you to know the status of the application. For example, when it opens for the first time after turning on the device, it says not recording. When you are recording, and you navigate to this option it says the recorded duration. And after completing the recording, it says the last recorded audio's time duration.

A few options join in when you start Recording.

1. A Pause recording button, which allows you to pause the recording. You can also use the global command enter with P to pause the recording.
2. Stop button: which helps you to stop recording. You can also use the global command enter with S to stop recording.

11.9.3 The view recordings dialog

The view recordings dialog allows you to preview, rename, and delete existing recordings that have been saved on the device's internal memory.

When the dialog opens, the focus is on a list view containing all the recordings, on the first recording in the list.

There are several options available for each list item, here is the list.:

1. Rename: which helps in renaming the file.
2. Delete button: which will delete the currently selected or focused recording.
3. Close button: This option is not related to the selected or focused audio; this button is used to close the view recording list.
4. IN addition to the buttons available for each list item, you can also invoke a context menu when focused on a particular recording by using space with m, which contains similar options. You can also use standard file operation commands, delete with space + d, and rename with space + r.

You can also close this dialog by pressing space + dots 1, 3, 5, 6.

When the dialog closes the focus goes to the main screen of the application.

Close the application, press space + dots 1, 3, 5, 6.

11.9.4 Settings

The Settings dialog provides options to customize your recording preferences and is just below the view recordings option.

1. Default Storage for Saving Recordings

This option determines where your recordings are stored. □

Options include:

- Internal Storage
- SD Card □
- Use the Left/Right Arrow Keys to select your preferred storage location.
- Press the OK button to save your selection.
- Press the Cancel button to discard any changes. □

2. Recording File Format

This option allows you to Choose the naming convention for your recorded audio files. □

Options include:

- Sequential Numbers: Files are named in order, such as "Voice 1," "Voice 2," etc.
- Date and Time: Files are named based on the recording's date and time, e.g., "22/04/2025 11:11." □
- Use the Left/Right Arrow Keys to select your preferred naming format.
- Press the OK button to confirm your choice.
- Press the Cancel button to discard any changes. □

3. Gain Factor

This option allows you to Adjust the microphone's sensitivity to control the recording range and clarity. □

Options include:

- Range from No Gain to 16x Gain.
- Higher gain settings increase the microphone's sensitivity, capturing more distant or quieter sounds. □
- to adjust the gain level, Use the Left/Right Arrow Keys.
- to save your selection, press the OK button.
- to discard any changes, press the Cancel button.
- to exit the dialog, press the Back key. □

These settings allow you to tailor the recording functionality to your specific needs, ensuring optimal performance based on your environment and preferences. □

11.9.5 Recording using a global shortcut

Orbit Speak gives you the ability to record from anywhere on the device without specifically opening the voice recorder application. This allows you to make quick and efficient recordings with just one key press, no matter what you are doing now.

Long press the F3 key, you will hear a beep sound which indicates that recording is started. and if you press F3 again for few seconds, the recording will stop.

After the recording is stopped, it automatically gets saved to the internal storage/Voice recordings folder.

11.10 Format SD Card

This option as the name suggests allows you to format your SD Card. Here are the steps to use this feature.

- First Return to home screen if you are somewhere else by pressing space + 1, 2, 3, 4, 5, 6.
- Press down arrow until you reach utilities sub-menu.
- Expand the menu with the right arrow and press down arrow until you hear format SD card.
- Press the select key on it. You will be presented with a dialog box asking whether you want to format the SD card or not and you will be given 2 choices yes or no.
- Select your choice and press the select key on it.
- Now you are all done.

12 Settings

The Settings application allows you to customize your Orbit Speak in a convenient and practical way.

To open Settings, do the following:

- Switch to the Home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Navigate to the Settings menu item or type the letter **S**.

The Settings application will open, and you will land in the list of settings categories. You will hear: *General Options*, O. This is the first item in the settings category list.

Navigate through the list using your Up and Down arrow keys. When you reach its end, the list will wrap and pressing **Down Arrow** will bring you back to the topmost item. To select an item in the list, press the **Select** key.

You will also hear a letter announced along with each item on the list. As in many

applications in Orbit Speak, it is the quick access command for that item. To quickly perform a command without going through the complete list, simply type that letter on the Perkins keyboard.

The settings category list contains the following categories:

- *General Options, O;*
- *Speech Options, S;*
- *Date and Time Options, D;*
- *Wi-Fi Settings, W;*
- *Bluetooth Settings, B;*
- *Software Update, U;*
- *Advanced Options, V;*
- *About, A.*

To select the category you want, press the **Select** key. A dialog box opens containing the settings of this category you can view or change.

To close the Settings application, press **Space + Dots 1 3 5 6 (Space + Z)**.

All the settings categories are described in detail below.

12.1 General Options

When you land in *General Options*, you will be presented with a dialog box containing various controls pertaining to generic parameters of your device. This dialog box also contains *OK* and *Cancel* buttons. To navigate between these items, use your Up and Down arrow keys or **Space +Dots 4 5** and **Space + Dots 1 2** (Tab and Shift + Tab). If you press the **Select** key, the current settings will be saved and the General Options dialog box will close, so you will return to the categories list. If you want to close the dialog box without saving the settings, press **Space + Dots 1 3 5 6**.

In most cases, each setting offers a choice of several options in a combo box. Move between the values by pressing the **Right Arrow** or **Left Arrow** keys.

The General Options dialog box contains the following items:

- *Airplane Mode.* You can activate and deactivate the airplane mode as required. Press right or Left Arrow keys to enable or disable the airplane mode. Note that, although you save battery while using the airplane mode, neither Wi-Fi nor Bluetooth are available in this mode.
- *Wi-Fi.* You can enable or disable wireless network functionality.
- *Typing Echo.* You can adjust how the text you type should be spoken. The device can speak each character you type; the entire word when you finish typing a word and press Space or type a punctuation symbol; or announce both characters and

words.

- *Capitalization alert.* Determines how to announce uppercase letters. You can choose between pitch change, saying the word “Cap” before each uppercase letter, or turn the announcement off.
- *Main Volume.* Set the main volume of your Orbit Speak. This setting does not affect the speech volume. Similarly to the speech volume, it has 15 levels from which you can choose.
- *Control Type Announcement.* Select whether you want the device to announce various control types, such as check box, combo box, button etc.
- *Access key announcement.* *If you have already read other sections of this user guide, you noticed that many list and menu items have quick access commands — letters you can type on the Perkins keyboard instead of navigating through lists and menus.* Select here whether you want the device to announce those quick access commands.
- *Position announcement.* Select whether you want the device to tell you the number of an item in a list or menu, such as “Five of seven.”
- *Sleep timeout.* Select the timeout after which your device will automatically turn to sleep mode when you are not using it. Select “Always on” if you do not want your Orbit Speak to switch to sleep mode automatically.

12.2 Speech Options

When you open Speech Options, you will be presented with a dialog allowing you to select a speech engine — currently we propose Runa TTS by Access Mind or text-to-speech by Google, as well as speech language, voice, speech rate, pitch, and volume.

Move between settings using Up and down arrow **keys**. Use Left and Right arrows to change values.

If you press the **Select** key, the current settings will be saved and the Speech Options dialog box will close, so you will return to the categories list. If you want to close the dialog box without saving the settings, press **Space + Dots 1 3 5 6**.

12.3 Date and Time Options

When you select *Date and Time Options*, a dialog box opens where you can manually set the time zone and current time or synchronize the time with a server. You can also select whether the device should announce the time in 12-hour format (for example, “5:27 PM”) or in 24-hour format (for example, “17:27”).

As usual, move between window elements using Up and Down arrow **keys**. Adjust settings using Left or Right arrow keys.

When you are finished, if you want to save the settings, go to the *OK* button, or just press

the **Select** key. If you want to close the dialog box without saving the settings, press **Space + Dots 1 3 5 6**.

To synchronize the time, navigate to the “*Sync with Time Server*” button and press the **Select** key. The time will be synchronized, and the date and time settings dialog box will close. You will return to the settings category list.

12.4 Wi-Fi Settings

The Wi-Fi settings dialog box was described in full in the Quick Start chapter. Please return that chapter for more info.

Note: Before adjusting Wi-Fi settings, make sure that Airplane Mode is turned off.

12.5 Bluetooth Settings

Select Bluetooth Settings if you want to connect wireless headphones,

an external speaker or other device via Bluetooth. As usual, a dialog box will open. If Bluetooth is disabled at this time, you will hear a prompt to enable Bluetooth before the dialog opens. Press the **Select** key to confirm.

Note: Before connecting to a Bluetooth device, make sure the airplane mode is turned off.

You are now in a dialog box that contains a list of available devices and several other items. Move between the items in the dialog box by pressing **Space + Dots 4 5** or **Space + Dots 1 2** (Tab or Shift + Tab).

The list of available devices may already contain devices available for connection. If you have not switched the device you want to connect to pairing mode beforehand, it will not be in the list of available devices. If so, enable pairing mode on your headphones or other device and search for available devices again. To do this, go to the *Refresh Device List* button and press the **Select** key. The device search will start again. You should wait until Orbit Speak announces that the list has been refreshed.

You are now back on the list of available devices. Select the one you want to connect to and press the **Select** key. A new dialog box opens with the *Connect* button. Press the **Select** key to confirm.

The devices will be connected, and you will be back in the list of available devices, but the sound will now go to your headphones or external speaker if you have connected such a device. The name of the device in the Devices list will be followed by the word “Connected” since then.

If you now want to disconnect your external device from Orbit Speak, press the **Select** key again and confirm the action.

In the Bluetooth dialog box, you will also find a disabled Bluetooth button. Use it to turn off Bluetooth on Orbit Speak. If you do not use Bluetooth connection, it will save you some battery charge.

You will also find *OK* and *Cancel* buttons to save the settings or close the dialog without saving changes.

12.6 Software Update

We are continuously working on adding new features and improving the Orbit Speak software and you will receive updates from time to time.

In this dialog box, you will find a checkbox that says:

Automatically check for updates on start-up.

Press the **Select** key to change the status of the check box.

Check this box so that you do not miss the latest updates. When it is checked, your Orbit Speak will check for updates each time you turn it on and if there is an update, the device will prompt you to install it.

If you prefer to check for updates yourself, in this dialog box, click the “*Check for Updates Now*” button. When Orbit Speak finishes searching for updates, it will either tell you that there are none or, if an update is found, prompt you to install the update. Press the **Select** key to confirm.

In some exceptional cases you might be asked by our support to install a particular update manually. If you received such an update as a .BIN file from our support team, please save it to the root folder of your SD card. Then in this dialog box, Select the “*Install an Update from SD Card*” button. Orbit Speak will announce that an update was found, and you will be prompted to confirm the update install. After you press the **Select** key, the device will install the update. After installing the update, the file will be removed from your SD card automatically.

Warning! Before updating the software, make sure your Orbit Speak battery has at least 50% charged.

The update process may take several minutes.

To close the Software Update dialog box, press **Dot 7**.

12.7 Advanced Options

In the Advanced Options dialog box, you can reset the settings to factory defaults. Press the **Select** key to confirm the action. To close this dialog box without making any changes, press **Space + 1 3 5 6 (Space + Z)**.

12.8 About

In this dialog box you will find various information about the device: serial number, firmware, software version and much more. There is also a *Save to File* button in this dialog box.

Sometimes to better assist you, our support might ask to provide full information about your Orbit Speak. In this case, please save the info to a file and send it to our tech support team. To save your device information to a file, please navigate to the “*Save to File*” button and press the **Select** key.

To close the About window, press **Space + 1 3 5 6 (Space + Z)**.

12.9 Braille settings

This dialog box allows you to select the Braille table with which you want to work while entering text in the editor application, as well as when opening or saving Braille files. The combo box that contains the list of Braille tables can be navigated with left/right arrows, while pressing dot 8 or select, as well as the ok button, will save the changes. Please note in version 1.2, only English Braille tables are supported. Pressing the cancel button or space with z will close the dialog without changing the selected Braille table.

12.10 Voice Manager for Runa TTS

The Voice Manager application allows you to install and manage various voices available for the Vocalizer-based Runa TTS. This application is designed to be simple and easy to operate. Let us explore how to use it effectively.

12.10.1 Locating and Opening the Application

- If you are in another application, press **Space + 1, 2, 3, 4, 5, 6** to return to the home screen.
- Press the **Down Arrow** until you hear "Settings," or use the access key **S** to enter the settings menu directly.
- Press the **Down Arrow** until you hear "Install additional Runa TTS voices," or press **I**, the access key for this option, to jump to and open the application.
- If you navigated using the **Down Arrow**, press **Enter** to open the app.
- Once you press **Enter**, the device will play a tone and announce that voices are being fetched from the internet. This indicates that the application is retrieving the available voices list, and you should wait until the process completes.

12.10.2 Layout and Navigation

- When the application opens, the focus is set to the **Language Combo Box**.
- The default selection is "All Languages," meaning all available voices, regardless of language, will be displayed in the list.
- Use **Space + Dots 4, 5** or **Space + Dots 1, 2** to navigate between elements (like the tab key).
- If "All Languages" is selected, pressing **Space + Dots 4, 5** moves focus to the list of available voices.
- Use the **Up/Down Arrow** keys to browse the list of voices.
- The installed voices will always be shown at the top of the list, making it easy to distinguish between voices that are already installed and those available for installation.
- If you press **Tab** again, you will move to the **Close Button**, which allows you to exit the application immediately.

12.10.3 Installing and Setting Voices

You can install voices either by browsing all available languages or selecting a specific language. Follow these steps to install a voice:

- First, navigate to the **Language Combo Box** and use the **Right/Left Arrow** keys to cycle through the available languages. The **Right Arrow** moves forward, and the **Left Arrow** moves backward through the list of languages.
- Alternatively, press **Tab (Space + Dots 4, 5)** to move to the full list of voices and find the voice of your choice.
- Once you have highlighted the desired language, press **Space** to select it, then press **Space + Dots 4, 5** to move forward.
- The device will announce "Install Button." Press **Enter** on the install button to begin downloading the selected voice.
- As the voice installs, the system will announce progress updates, ensuring you are aware of the installation status.
- If you wish to install multiple voices, you can select more than one and install them all together.
- Once the voice has been successfully installed, navigate to **Settings > Speech Options > Voice**, and use the **Left/Right Arrow** keys to switch to the newly installed voice. Press **Enter** to confirm and activate the voice.

12.10.4 Removing Voices

Uninstalling a voice is also simple and follows these steps:

- Open the application by navigating to **Settings > Install Additional Runa TTS Voices**.
- Press **Space + Dots 4, 5** to move to the list of voices.
- In the "All Languages" section, installed voices are always displayed at the top of the list.
- Select the installed voice you want to remove by navigating to it with the **Up/Down Arrow** keys.
- Press **Space + Dots 4, 5** until you hear "Remove Voice."
- Press **Enter** on "Remove Voice," and the system will uninstall the selected voice.
- Once the removal is complete, the voice will no longer be available in the list, and you can install another voice if needed.

13 Firmware Upgrade

13.1 Device Firmware Upgrade

New versions of the firmware for Orbit Speak are released from time to time, containing improvements, bug fixes, and new features. This section describes the procedure for updating the Orbit Speak firmware.

The firmware of Orbit Speak can be updated using a Windows PC and a USB cable. The USB upgrade method requires a Windows PC, but the upgrade process is simple and quicker.

There are two parts to the upgrade procedure:

1. Download the firmware package.
2. Upgrade the Orbit Speak

The process for downloading the firmware package is common for either upgrade method.

13.2 Download firmware package

1. Download the zip file "Orbit Speak - Firmware Upgrade Package vB0.00.00.XXrYY" to your PC from the link provided by Orbit Research.

When the download is complete, follow these steps:

2. Open the folder on your computer where the firmware zip file was downloaded. This is usually your Downloads folder.
3. Right-click on the file and choose "Extract all" OR select the file by arrowing to it, pressing the application key and choosing "Extract All" from the Context menu.
4. Follow the dialog steps to extract the zip file to a folder of your choice.

When finished, your chosen folder should contain a folder named after the version of the release, for example, Orbit Speak - Firmware Upgrade Package vB0.00.00.XXrYY. Make a note of the location of this folder for use in the next section of this document.

For information about bugs, fixes, and additions to the software, see the latest version's Release Notes available in the folder.

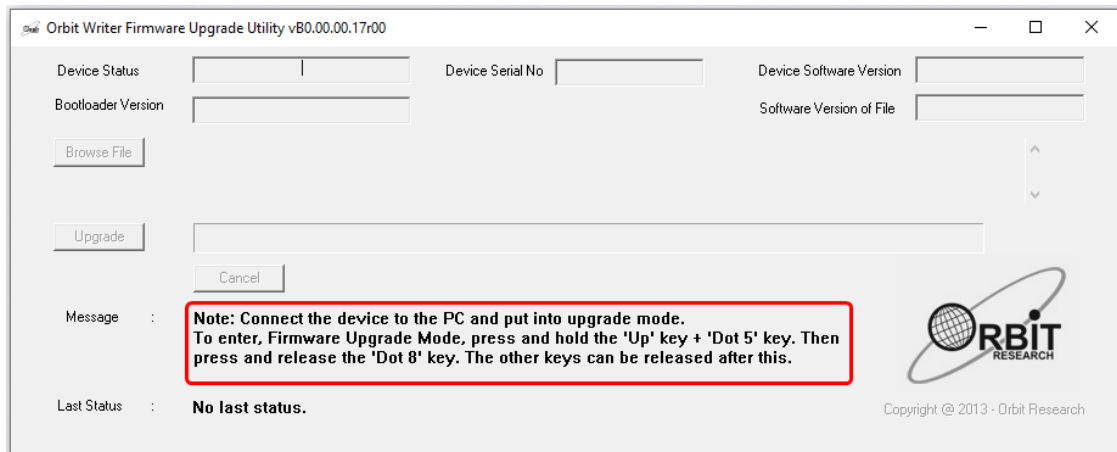
13.3 Using the Windows PC Upgrade Utility

The following are required to perform the upgrade to the Orbit Speaker with a PC:

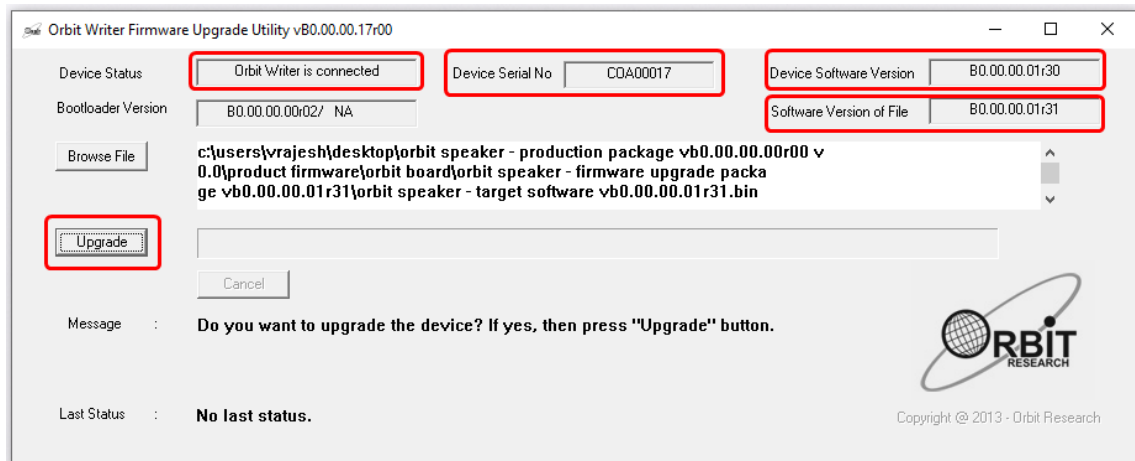
1. The Orbit Speak unit
2. Standard USB-A to Type-C USB cable
3. A PC running Windows XP or later.
4. The Orbit Writer - Firmware Upgrade Utility file found in the Orbit Speak folder (see Download firmware package). Although the utility used here is of orbit writer, there is no need to be confused. This utility is completely fine to use.
5. Orbit Speak Release Bin files found in the Orbit Speaker folder (see Download firmware package).

To upgrade the firmware, connect the Orbit Speaker to the PC using the USB cable.

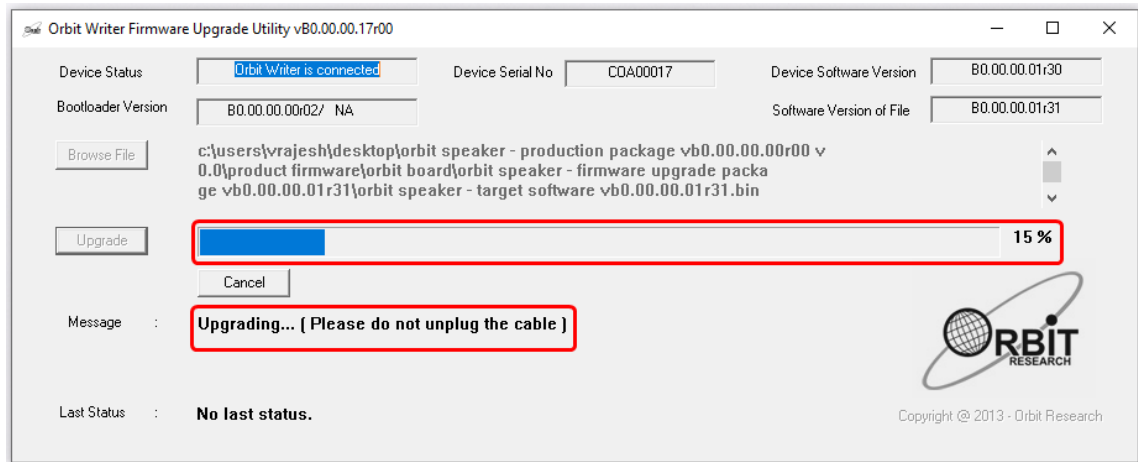
In the Release folder on your PC, run the Orbit Writer - Firmware Upgrade Utility. If you receive an error message, see the Troubleshooting section. Assuming no errors, the program displays the message, "Note: Connect the device to the PC and put it into upgrade mode. To enter, Firmware Upgrade Mode, press and hold the 'Up' key + 'Dot 5' key. Then press and release the 'Dot 8' key. The other keys can be released after this" in the message field.



1. Press and hold down the Up-arrow key + Dot 5, then press and release Dot 8. The utility shows the message “Orbit Writer is connected” in the Device status field. It shows the message “Do you want to upgrade the device?” in the message field at the bottom of the dialog.
2. Release the Up-arrow key and Dot 5. This switches Orbit Speak to Upgrade mode. You should hear a tone on your PC.
3. The utility shows the device serial number and the software version of the device at the top right corner of the window. If the serial number is blank, repeat steps 4 and 5.
4. Activate the Browse button found in the dialog.
5. Browse and select the firmware bin file from your PC. The file is in the folder you unzipped previously.
6. Once the file is selected, the dialog shows the software version of the selected file. A dialog box will also display the information that the current file selected is firmware binary.



7. Activate the Upgrade button. The utility starts upgrading the device.



8. Do not unplug the cable. Wait for the message “Device upgrade has been completed” on the upgrade utility.
9. The Orbit Speak is upgraded. Turn on the Orbit Speak to start using the device.

To check for a successful upgrade of the Orbit Speak, open the Orbit Speak Menu to check the version. The version number of the firmware release should match the number shown in the upgrade utility.

14 Troubleshooting

Like all hardware devices, sometimes your Orbit Speak can exhibit strange or unexpected behavior. If it is the case, before calling our technical support, please perform the steps outlined in this section.

General suggestion: If your device has just finished booting, give it a few seconds to stabilize.

14.1 Orbit Speak Does Not Turn On

- Hard reset the system by pressing **Dot 8 + Up Arrow** and then trying to turn the device on again.
Note: This does not erase your settings nor any of your data, so this procedure is safe.
- Charge the device for at least 10 minutes, then try to turn it on.
- If the device does not speak, try raising the speech volume.

14.2 Orbit Speak Does Not Respond to Key Presses

- Make sure Orbit Speak is not in sleep mode. Press the Power button briefly to wake the device up. If it were in sleep mode, you would hear a usual raising tone and a speech message.
- Press the **Select** key. It might be that your device is stuck in some dialog, so thus you will make it leave this state.
- Try to go a step back or close the current application. In most cases **Space + Z** (**Space + Dots 1 3 5 6**) will do the job. If not, try returning straight to the home screen by pressing **Space + Dots 1 2 3 4 5 6**.
- Press **Dot 8 + Up Arrow** to hard reset your system, turn the device off if needed, then turn it on again.

Note: This does not erase your settings nor any of your data, so this procedure is safe.

14.3 Orbit Speak Is in an Unknown State and the Battery Is Charged

- Unplug the USB cable, if plugged in.
- Press **Dot 8 + Up Arrow** to hard reset the system.
Note: This does not erase your settings nor any of your data, so this procedure is safe.
- Press and hold the power button for two seconds. The device should start booting, and you should feel vibrations. Once the vibrations stop, try navigating by pressing the up and down arrow keys.
- When the vibrations finish, do not press any keys until you hear Orbit Speak announcing that you are on the home screen.

14.4 Orbit Speak is in an unknown state, the battery is charged, and the troubleshooting steps in 11.4 do not resolve the issue.

- Unplug the USB cable, if plugged in.
- Press **F4 + Up Arrow** and hold the keys for about 15 seconds to hard reset the Android board.
Note: This does not erase your settings nor any of your data, so this procedure is safe.
- Press and hold the Power button for two seconds. The device should start booting and you should feel vibrations.
- When the vibrations finish, do not press any keys until you hear Orbit Speak announcing that you are on the home screen.

14.5 Orbit Speak is Continuous Beeping

- Unplug the USB cable, if plugged in.
- Press **F4 + Up Arrow** and hold the keys for about 15 seconds to hard reset the Android board.
Note: This does not erase your settings nor any of your data, so this procedure is safe.
- Press **Dot 8 + Up Arrow** to hard reset the system.
Note: This does not erase your settings nor any of your data, so this procedure is safe.
- Do not press any keys until you hear Orbit Speak announcing that you are on the home screen.

15 Hardware Limited Warranty

Warranty obligations for Orbit Speak are limited to the terms set forth below:

Orbit Research warrants this hardware product against defects in materials and workmanship under normal use for a period of ONE (1) YEAR from the purchase by the original purchaser ("Warranty Period"). If a hardware defect arises and a valid claim is received by Orbit Research LLC within the Warranty Period, at its option and to the extent permitted by law, Orbit Research will either:

Repair the product free of charge (or) replace it with a product that is manufactured from new or serviceable used parts and is at least functionally equivalent to the original product.

A replacement product or part assumes the remaining warranty of the original product or thirty (30) days from the date of replacement or repair, whichever provides longer coverage. Parts provided in fulfillment of its warranty obligation must be used in products for which the warranty service is claimed.

15.1 EXCLUSIONS AND LIMITATIONS

This Limited Warranty applies only to the hardware product manufactured by Orbit Research LLC that can be identified by the "Orbit Research" trademark, trade name, or logo affixed to it. Orbit Research is not responsible for damage arising from failure to follow instructions relating to the product's use.

This warranty does not apply in the following cases:

1. Damage caused by accident, abuse, misuse, flood, fire, earthquake, or other external causes.

2. Damage caused by operating the product outside the permitted or intended uses described by Orbit Research LLC
3. Damage caused by service (including upgrades and expansions) performed by anyone who is not a representative of Orbit Research
4. A product or part that has been modified to alter functionality or capability without the written permission of Orbit Research
5. The serial number has been removed or defaced.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, STATUTORY, EXPRESS, OR IMPLIED.

EXCEPT AS PROVIDED IN THIS WARRANTY AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, ORBIT RESEARCH IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY BREACH OF WARRANTY OR CONDITION, OR UNDER ANY OTHER LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS ON CONTRACTS); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL; LOSS OF REPUTATION; LOSS OF, DAMAGE TO, OR CORRUPTION OF DATA; OR ANY INDIRECT OR CONSEQUENTIAL LOSS OR DAMAGE HOWSOEVER CAUSED INCLUDING THE REPLACEMENT OF EQUIPMENT AND PROPERTY, ANY COSTS OF RECOVERING, PROGRAMMING OR REPRODUCING ANY PROGRAM OR DATA STORED IN OR USED WITH THE ORBIT RESEARCH PRODUCT, AND ANY FAILURE TO MAINTAIN THE CONFIDENTIALITY OF DATA STORED ON THE PRODUCT. THE FOREGOING LIMITATION SHALL NOT APPLY TO DEATH OR PERSONAL INJURY CLAIMS, OR ANY STATUTORY LIABILITY FOR INTENTIONAL AND GROSS NEGLIGENT ACTS AND/OR OMISSIONS. ORBIT RESEARCH DISCLAIMS ANY REPRESENTATION THAT IT WILL BE ABLE TO REPAIR ANY PRODUCT UNDER THIS WARRANTY OR MAKE A PRODUCT EXCHANGE WITHOUT RISK TO OR LOSS OF PROGRAMS OR DATA.

16 CONSUMER PROTECTION LAWS

FOR CONSUMERS WHO ARE COVERED BY CONSUMER PROTECTION LAWS OR REGULATIONS IN THEIR COUNTRY OF PURCHASE OR, IF DIFFERENT, THEIR COUNTRY OF RESIDENCE, THE BENEFITS CONFERRED BY THIS WARRANTY ARE IN ADDITION TO ALL RIGHTS AND REMEDIES CONVEYED BY SUCH CONSUMER

PROTECTION LAWS AND REGULATIONS. Some countries, states, and provinces do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on how long an implied warranty or condition may last, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by country, state, or province. This Limited Warranty is governed by and construed under the laws of the country in which the product purchase took place. ORBIT RESEARCH LLC., the warrantor under this Limited Warranty, is identified at the end of this document according to the country or region in which the product purchase took place.

17 OBTAINING WARRANTY SERVICE

Please access and review the online help resources referred to in the documentation accompanying this hardware product before seeking warranty service. If the product is still not functioning properly after making use of these resources, please send an e-mail to: techsupport@orbitresearch.com, for instructions on how to obtain warranty service. You must follow ORBIT RESEARCH warranty procedures.

ORBIT RESEARCH will maintain and use customer information in accordance with its Customer Privacy Policy.

If your product can store software programs, data, and other information, you should make periodic backup copies of the information contained on the product's hard drive or other storage media to protect the contents and as a precaution against possible operational failures. Before you deliver your product for warranty service, it is your responsibility to keep a separate backup copy of the contents and disable any security passwords. IT IS POSSIBLE THAT THE CONTENTS ON THE DEVICE BEING SERVICED WILL BE LOST OR REFORMATTED IN THE COURSE OF WARRANTY SERVICE, AND ORBIT RESEARCH IS NOT RESPONSIBLE FOR ANY DAMAGE TO OR LOSS OF PROGRAMS, DATA, OR OTHER INFORMATION CONTAINED ON THE MEDIA OR ANY PART OF THE PRODUCT SERVICED.

Your product will be returned to you configured as originally purchased, subject to applicable updates. You will be responsible for reinstalling all other software programs, data, and passwords. Recovery and reinstallation of software programs and user data are not covered under this Limited Warranty.

18 FCC Information

18.1 FCC Notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

18.2 FCC Caution

To ensure continued compliance follow the installation instructions and this device must be installed with a computer or peripheral device certified to comply with Part 15 of the FCC rules for Class B limits. Use shielded interface cables only. Use the power adapter that is supplied with the device to charge its internal battery pack.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

19 Further Information

For the latest information, specifications, troubleshooting tips, software upgrade instructions, care and use information, warranty information, and more detailed

instructions, visit the Orbit Speak website at <https://www.orbitresearch.com/support/orbit-speak-support/>.

For further questions or concerns not covered in this User Guide, please contact the distributor from where you purchased your Orbit Speak.

20 Appendix A: Revision History

Rev.	Date	Description of Changes	Author
0.1	26 th July 2024	<ul style="list-style-type: none"> Initial draft 	Andre
0.2	6 th August 2024	<ul style="list-style-type: none"> Added troubleshooting steps. Updated the section on Settings to reflect the most recent software update, namely adding 24-hour format setting for time. Reformulated some paragraphs for easier reading. 	Andre
0.3	8 th August 2024	<ul style="list-style-type: none"> spelling and grammar removed extra spaces and font changes. 	Andre
0.4	9 th August 2024	<ul style="list-style-type: none"> Heading numbering Formatting text Alignment of bullet points Accessibility checks Refinements 	Sandip & Harshil
0.5	24 th October 2024	<ul style="list-style-type: none"> Added Firmware upgrade steps 	Vrajesh
0.6	4 th November 2024	<ul style="list-style-type: none"> Update the Utilities menu contents. Update the troubleshooting steps 	Mohammad & Sandip
0.7	25 th November 2024	<ul style="list-style-type: none"> Added the Internet Radio contents 	Mohammad & Sandip
0.8	29 th November 2024	<ul style="list-style-type: none"> Formatting Review 	Adi & Sandip
0.9	24 th December 2024	<ul style="list-style-type: none"> Added Voice recorder contents. Review & Formatting 	Mohammad & Sandip

0.10	30 th December 2024	<ul style="list-style-type: none">• Voice Recorder Content Review• Formatting	Adi & Sandip
0.11	5 th February 2025	<ul style="list-style-type: none">• Added Voice manager contents.• Added Reader Contents	Sandip & Mohammad
0.12	27 th February 2025	<ul style="list-style-type: none">• Format the headings and Sub-headings.• Spell check and Grammar	Sandip

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