



Edit Box Commands

Accept typed text	Dot 8
Close Edit Box	Select
Begin a search	Space + F

File Manager Commands

Open a file or folder	Select or Dot 8
Previous or next file or folder	Up or Down Arrow
Go back one folder level	Dot 7
Move through file information	Left or Right Arrow
Scroll text	Left or Right Panning keys
Make a new file	Space + N
Make a new folder	Space + O (Dots 1 3 5)
Delete a file or folder	Space + D (Dots 1 4 5)
Rename a file or folder	Space + R (Dots 1 2 3 5)
Cut a file	Space + X (Dots 1 3 4 6)
Copy a file	Space + C (Dots 1 4)
Paste a file	Space + V (Dots 1 2 3 6)
Mark a file	Space + M
Protect or unprotect a file	Space + P (Dots 1 2 3 4)
Edit the current file	Space + E
Edit last edited file	Space + Dots 1 2 4 6
Move to first file	Press Space + Dots 1 2 3
Move to last file	Press Space + Dots 4 5 6
Incrementally search file list	Type the file name quickly

SHORTCUT KEYS

Reader Commands

Open the menu	Select + Up Arrow
Exit the menu	Dot 7
Select a menu item	Select
Previous or Next display	Panning keys
See choices within a menu option OR Previous or next character	Left or Right Arrows
Previous or next word	Space + Left or Right Arrows
Move through menu choices OR Previous or next paragraph	Up or Down Arrows
Start of paragraph	Space + Dot 7 + Left Arrow
End of the paragraph	Space + Dot 7 + Right Arrow
Previous or next page	Dot 3 or Dot 6
Top or bottom of a file	Dot 1 or Dot 4
Exit file	Dot 7
Set or clear a bookmark	Space + M (Dots 1 3 4)
Previous or next bookmark	Dot 2 or Dot 5
Power Move/Search forward/back	Dot 8 + Down Arrow or Dot 8 + Up Arrow
Find braille	Space + F (Dots 1 2 4)
Find next braille	Dot 8 + Right Arrow
Find previous braille	Dot 8 + Left Arrow
Edit current file	Space + E (Dots 1 5)
Open new file	Space + N (Dots 1 3 4 5)
Edit last edited file	Space + Dots 1 2 4 6

Editor Commands

Left or right one letter	Left or Right Arrow
Start or end of text	Up or Down Arrow
Backspace	Dot 7
Add a new line (Enter)	Dot 8
Delete a character	Dot 7
Exit Editor	Select, Select OR Select, E
Next or previous character	Left or Right Arrow
Next or previous word	Space + Left or Right Arrow
Previous or next display	Pan up or down
Previous or next paragraph	Up or Down Arrow
Start or end of paragraph	Space + Dot 7 + Left or Right Arrow
Previous or next page	Space + Dot 7 + Up or Down Arrow
Top or end of document	Long press Up or Down Arrow
Set or clear location mark	Select, M
Copy	Select, C
Cut	Select, X
Paste	Select, V
Open Context menu	Select

MENU OPTIONS

Battery: Displays the amount of power (percentage) left in your battery and notes when the unit is charging.

Cursor Blink (1): Sets the number of seconds between blinks, in the Editor or Edit Box.

Sort (Name: Ascend): Changes the sort order of the files on the SD card, using the built-in File Manager.

Split Words (Off): When On, the Reader shows partial words. Panning to the next 20 cells of braille shows the remainder on the line.

Filter Dot 7 (On): Turns off the Dot 7 that frequently appears in some BRL and BRF files.

Wrapping (On): Reflows files that are already formatted for embossing; eliminates extra spaces, making it easier to read on a 20-cell display.

Compress Spaces (On): Eliminates superfluous blank lines and spaces; useful when reading formatted text files with many blank lines.

Load Language: Uploads language files to the flash memory. To navigate and select sub menu options (Load Locale, Load .loc Only, and Load .lan Only):

1. Press the Right or Left Arrow keys to navigate the sub menu.
2. Press Select on the desired item, and Select again, to select the option.

Switch Language: Changes between a loaded language and the default English language.

Note: You must first load a language to the flash memory of the device, before using the Switch Language option.

Encoding (ASCII): Text files are created in either ASCII or Unicode encoding format: UNICODE16LE, UNICODE16BE, and UTF-8. Choose ASCII to create BRF/BRL files.

Version: Displays the firmware version; useful when talking with Customer Service.

Serial: Displays the individualized serial number of the device; important for warranty purposes.

Reset Defaults: Resets all settings to the factory settings, and returns you to the top of the Menu Options list.

USB (HID): Sets USB protocols: Human Interface Device (HID), Serial, or Mass Storage.

Bluetooth (On): When device is powered on, automatically connects if paired to a Bluetooth device.

Pair (Just Works): Selects a Bluetooth pairing scheme from three choices:

Just Works - automatically pairs to any device that sends the pair request.

Pass key - type a number on the host to confirm the pair request. The Orbit Reader number is 1234.

Confirm code - displays a random number on both the braille display and the host device. Press Select to confirm.

Emulate (Off): choose between Refreshbraille 18™ (RB18) Emulation mode or normal operation (Off).

Mode (Stand-Alone): Read and write files stored on the SD card; select among Stand-Alone, BT (for Bluetooth,) or USB.

ADVANCED NAVIGATION

Power Move Forward and Back (Dot 8 + Up or Down Arrow)

Provides a quick means of moving/searching through large sections of a file to find a known location in a document. Operates by using boundaries and moving 50% between them with each press of the key command.

Press 1: cursor moves half way between the current position and the start (Dots 8 + Up Arrow) or end (Dots 8 + Down Arrow) of the file.

Press 2 and so on: treats the moved-from position as the new boundary in that direction, and displays the percentage in the first cells.

Find Braille (Space + F)

Opens an Edit Box with a cursor. Type the braille text to find, then press Dot 8 to start the search. Maximum search is 255 characters. Press Select to exit the Edit Box without performing a search.

- To repeat a search moving forward, press Dot 8 + Right Arrow.
- To repeat the search moving back, press Dot 8 + Left Arrow.
- If searching for text in a contracted braille file, type the text in contracted braille.
- If searching in a plain text file, type the text in Computer Braille.
- To restrict searches to whole words, add a space at the beginning and end of the word.

CONNECTING WITH BLUETOOTH

In default configuration (Just Works):

iOS Note: If you are using a version of iOS before 10.2, you must set Orbit Reader to emulate RB18 in the menu.

1. Turn on Bluetooth from the Menu, or press Space + Dots 4 7.
2. Go to Settings>General>Accessibility>VoiceOver>Braille.
3. Find Orbit Reader or Refreshbraille 18, plus the last four digits of the serial number, in the list.
4. Activate the device in the list to pair.

Android

1. Turn on Bluetooth from the Menu, or press Space + Dots 4 7.
2. Turn on the Android device. Android and BrailleBack make a connection sound to indicate successful communication.
3. Look for Orbit Reader 20 in the list. Switch to Emulation mode to Refreshbraille 18 (RB18) if not supported.
4. Set up Android device. Follow the "Install and enable BrailleBack" instructions on the Google™ Android Accessibility Help webpage (<https://support.google.com/accessibility/android/answer/3535226?hl=en>).

Windows

1. On the PC, perform a Bluetooth search.
2. Select the Orbit Reader from the list of Bluetooth devices.

The full User Guide is available online at
tech.aph.org/or20

