Short Reference for the Active Braille

Version 1.0
Please also review the detailed User Manual, which is included in printed (not Braille) format and in daisy format on the enclosed CD.

The two space bars are located at the centre front. In the following description the left space bar is called [SPCL] and the right space bar is called [SPCR]. If either the left or right space bar can be used they will be called [SPC].

Above the Braille display you can find 8 ergonomic function keys. These function keys are also used for Braille input. They correspond to the usual Braille keyboard layout and are, from the left to the right as follows:

| 7 | 3 | 2 | 1 | | 4 | 5 | 6 | 8 |

Located in the middle of the device are 40 ergonomic Braille display elements with integrated cursor routing keys. The cursor routing (CR) keys which are integrated as part of each Braille cell enable you to place the cursor directly at the text position of this Braille cell.

The Triple Action Keys are to the left and right of and flush with the Braille cells You can activate the Triple Action keys at the top, in the centre, and at the bottom. The Triple Action Key functions are:

The left or right Triple Action Key's (Up) position also serves as a reading key to move backward within the text, and will be referred to as [TLU] or [TRU] in the list below. The left or right Triple Action Key's (Down) position also serves as a reading key to move forward through the text, and are referred to as [TLD] or [TRD] in the list below. In the event of the right as well as the left Triple Action Key (Up) can be pressed, it is called [TU]. If alternatively the Triple Action Key left or right (Down) can be used, this is called [TD]. In the case that you need to press both [TU] and [TD] simultaneously, such as setting a mark within the Editor, you may press the keys at the top left [TLU] and bottom right [TRD], or at bottom left [TLD] and top right [TRU].

The centre position of either the left or right Triple Action Key [TLC] and [TRC] can be used for additional functions.

If you move along the right side of the housing towards the back, you will first feel the main power button. Located behind the power button is a USB type A port to connect a USB keyboard. Behind the USB type A port is the outlet for the power supply.

On the left side of the device are from the front to the back – another USB type A port to connect a USB keyboard, a Micro SD card for service reasons and a USB type B port to connect a PC.

Please do not remove the Micro SD card at any time from the device while it is on. Data on the card can be damaged. Please turn the Active Braille off, before you insert or remove the Micro SD card.

Left on the back side you find a round headphone plug (2.5 mm) to connect a headphone or an external loudspeaker. The Active Braille is shipped with an adapter cable to connect also a 3.5 mm connector.
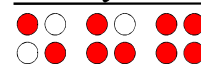
You find a list of important functions an there corresponding key combinations in the following tables:

Navigating the Menu System

Function	Keys
One menu item to the left	TU or SPC+7 or SPC+1
One menu item to the right	TD or SPC+8 or SPC+4
First menu item within one level	SPC+1 2 3
Last menu item within one level	SPC+4 5 6
Move up one menu level	TLC
Select or move down one menu level	TRC
Toggle check box	SPC or TRC or CR keys
Select menu item directly	Hotkeys
Return to suspended Editor	SPC+1 2 3 4 5 6

Editor Functions

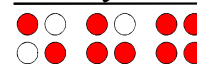| Function	Keys
Abort operations, cancel markings	TLC
Read text	TU or TD
Start automatic reading	SPC+TD
Change automatic reading speed	TU or TD, if automatic reading is active
Manual scrolling	SPC
Halt automatic reading	CR keys
Automatic scrolling via ATC on/off	Chord A (SPC + 1 7)
Delete character at cursor position	SPC+4 5
Backspace	Chord b (SPC+1 2)
Cursor to top of file (Home)	SPC+1 2 3
Cursor to end of file (End)	SPC+4 5 6
Cursor to beginning of line	SPC+1 3
Cursor to end of line	SPC+4 6
Cursor to beginning of next sentence	SPC+5
Cursor to beginning of previous sentence	SPC+2
Cursor to next word	SPC+6
Cursor to previous word	SPC+3
Move cursor left	SPC+7
Move cursor right	SPC+8
Move cursor one line up	SPC+1
Move cursor one line down	SPC+4
Direct cursor placement	Cursor Routing Keys
Mark beginning of block	SPC+TRC or press CR key twice at beginning of block
Cut block	Chord x (SPC+1 3 4 6)
Copy block	Chord c (SPC+1 4)
Delete block (without copying)	Chord X (SPC+1 3 4 6 7), or SPC+1 2
Paste block	Chord v (SPC+1 2 3 6)
Exchange mark and cursor	SPC+7 8
Toggle insert/overstrike mode	Chord i (SPC+2 4), insert mode is default
Set mark	TU+TD
Jump to mark	Chord m (SPC+1 3 4)
Incremental forward search	Chord f (SPC+1 2 4)
Incremental backward search	Chord F (SPC+1 2 4 7)
Forward search and replace	Chord r (SPC+1 2 3 5)
Display character in ASCII	Chord D (SPC+1 4 5 7)
Insert current date	Chord d (SPC+1 4 5)
Insert current time	Chord t (SPC+2 3 4 5)

Function	Keys
Save file (without closing it)	Chord s (SPC+2 3 4)
Open file from Editor	Chord o (SPC+1 3 5)
Open file in read-only mode	Chord O (SPC+1 3 5 7)
Switch to next file	SPC+5 6 8
Switch to previous file	SPC+2 3 7
Save and close file	Chord e (SPC+1 5)
Suspend Editor	SPC+1 2 3 4 5 6
Editor's Setup menu	Chord u (SPC+1 3 6)
Status display	Chord S (SPC+2 3 4 7)
Switch to PC Mode	Chord p (SPC+1 2 3 4)
Help	Chord h (SPC+1 2 5)

Keys in PC Mode

Function	Keys
Return to menu	Hold down SPC+1 3 4 about half a second
Switch between Braille display and status module display	SPCL+SPCR

Fixed Key Functions on External Keyboard

Function	Key/Key Combinations
Switch external keyboard to PC	Chord : (SPC+2 5)
Entire Braille display line to left	Page up
Entire Braille display line to right	Page down
Cursor to top of file	Ctrl+Pos1
Cursor to end of file	Ctrl+End
Toggle between insert and overstrike	Insert
Delete current character	Delete
Delete character left of cursor	Backspace
Set beginning of block	Ctrl+Enter
Copy block	Ctrl+c
Cut block	Ctrl+x
Delete block (without copying)	Ctrl+X or backspace
Paste block	Ctrl+v
Exchange mark and cursor	Ctrl+Tab
Status display	Ctrl+S
Incremental forward search	Ctrl+f
Incremental backward search	Ctrl+F
Forward search and replace	Ctrl+r
ESC function	ESC
Navigation	Arrow keys
Cursor to previous word	Ctrl+cursor left
Cursor to next word	Ctrl+cursor right
Cursor to previous sentence	Ctrl+cursor up
Cursor to next sentence	Ctrl+cursor down
Cursor to beginning of line	Pos1
Cursor to end of line	End
Set mark	Ctrl+M
Jump to mark	Ctrl+m
Switch to next file	ALT+Tab
Switch to previous file	ALT+Shift+Tab
Suspend Editor	Ctrl+Space
Save file (without closing it)	Ctrl+s

Function	Key/Key Combinations
Save and close file	Ctrl+e
Help	Ctrl+h
Editor's Setup menu	Ctrl+u
Switch to PC Mode	Ctrl+p
Display character in ASCII	Ctrl+D
Open file from Editor	Ctrl+o
Open file in read-only mode	Ctrl+O
Insert current date	Ctrl+d
Insert current time	Ctrl+t

Screen Reader Functions

The key assignments for the different screen readers Window-Eyes, JAWS and Hal/SuperNova on the Active Braille are as similar as possible. In the following table, you find the assignments for Window-Eyes. You can find the tables for JAWS and Hal/SuperNova as well as the complete table for Window-Eyes in the user manual.

Control Key/Braille Dot	Function
[7]	Go to focus
[3]	Go to the active window's title bar
[2]	Toggle Braille tracking on/off
[1]	Move Braille display section one line up
[SPCL] or [TU]	Braille display section to the left
[SPCR] or [TD]	Braille display section to the right
[4]	Move Braille display section one line down
[5]	Toggle between Window-Eyes-cursor and mouse cursor
[6]	Go to the active window's status line
[8]	Drag mouse to focus
[7 8]	Specifies whether type of control element will be indicated or not
[3 8]	Toggle Browser Mode on/off
[2 8]	Toggle between 6/8 dot Braille
[1 8]	Handy Tech configuration dialog
[4 8]	Toggle blank spaces
[5 8]	Drag cursor to mouse
[2 3]	Beginning of line
[5 6]	End of line
[6 8]	Toggle Show Attributes on/off
[1 2 3]	Top of file
[4 5 6]	End of file
[5 6 8]	Run through attributes
[TLC]	Tab
[TRC]	Shift +Tab
[SPC + 1 2 7]	Toggle Braille input on/off
[SPC + 1 7]	ATC on/off
[SPC + 1 2 3]	ATC reading protocol on/off