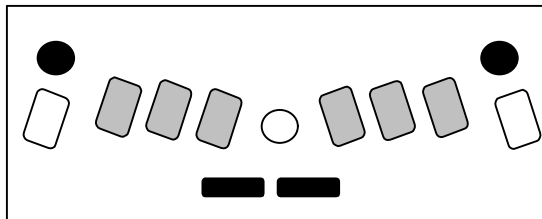


COMMANDS SUMMARY - OVERVIEW

Turn Command Key On and Off

NL + SP + f1 + f2 Turns command key on/off.

Press all 4 keys together to turn on
Press all 4 keys again to turn off



1. Regular Commands.

All regular commands begin with the Command key, and finish with the Enter key. To use any other regular command you follow this sequence;



If there is a space indicated in the command, you have to press the space key when entering the command. Where numbers are needed in a command they can be entered as either the Number sign plus character or alternatively as a "dropped" or "lower" character.

2. Chorded commands

Chorded commands use space bar pressed with designated letter.

Chord B	Backtab	Chord P	Page eject
Chord C	Carriage return	Chord R	Reverse Line
Chord E	End	Chord T	Tab
Chord F	Line feed	Chord Z	Stops the speech (while speaking).
Chord H	Help		
Chord I	Indent		

Changing Between Learn Mode and Advanced Mode

ADV Advanced. The factory default setting is Learn Mode. It will say "On" to indicate Advanced mode is on, and it will say "Off" to indicate you are back in Learn Mode.

Speech Control

Recorded Speech	
SPK R	Selects recorded speech. This is the default.
SPK A	Speaks all keyboard keys, functions and commands. This is the basis for the Learn Mode. As less speech is required one of the following options can be used.
SPK C	Speaks errors & prompts only. No braille dot keys
SPK D	Speaks only braille dot keys. No function keys.
Synthetic Speech	
SPK S	Turns on Synthetic Speech. Available only in Advanced Mode.
No Speech	
SPK N	No speech. Tones only mode.

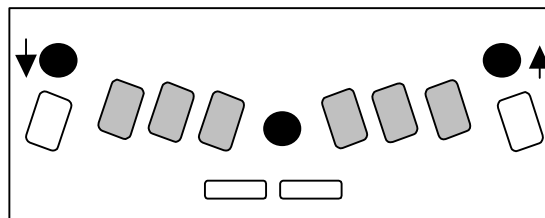
COMMAND SUMMARY - HANDY THINGS TO KNOW

Adjust Dot Height for Different Types of Paper

This function is used to match the impact force on the dots to the type of paper used. For heavy braille paper, the impact force can be increased. For lighter paper, the impact force can be decreased. The factory default setting is for regular photocopy paper (lightweight paper).

CMD + RF Increase Impact
(speech prompt "Up")

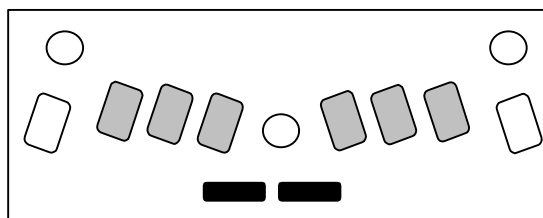
CMD + LF Decrease Impact (With
speech prompt "Down")



Writing Braille on Cards or Small Paper

No Paper Operation

For use with small paper sizes (like a birthday card). Press the Space and New Line key together during a margin search.



Using Heavy Card or Labels

You can choose from single strikes (default) up to 4 strikes on each dot.

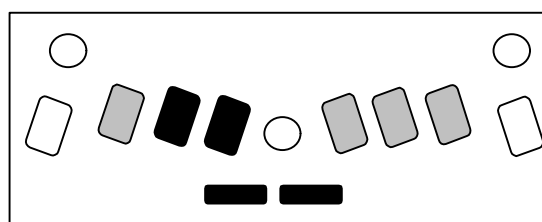
MS [n]

Multi-strike feature. Set strikes per dot to "n".
Useful for braille on heavy materials such as plastic braille label. n = 1 to 4. Default = 1

Check Battery Status

NL+SP+B To hear battery status
Press all 4 keys together

Check Trouble-Shooting Guide in
main manual



One-Handed Mode

KU Turns on One Handed operation. Default = off. Toggle.
When KU is on, press space bar after each character.

Notes: To turn KU off, remember to press K space U space.

Alternatives to Chorded Commands (for One-handed Mode)

These are regular commands using the Command key and Enter

BT	Backtab	NP	New Page
CR	Newline	RL	Reverse Linefeed
IN	Indent	TB	Tab
LF	Linefeed	END	Close an open file

COMMAND SUMMARY - BRAILLE WRITING

Braille Formatting Commands

The following formatting commands apply in both Learn and Advanced Mode.

Position of Braille on the Paper

CE	Centre Text. Embossing starts after the new line key is pressed. Default = off. Toggle.
RA	Right adjust braille (the braille will be printed from the right hand margin). Default = off. Toggle

Margins

LM	Set left hand margin to 0
LMH	Set left margin to embossing head position.
LM n	Set left margin to column 'n'
RM	Set right hand margin to 0
RMH	Set right margin to embossing head position.
RM n	Set right margin to column 'n'
TM n	Set Braille page Top Margin. n = number of lines.
BM n	Sets Bottom Margin of Braille page. n = number of lines for bottom margin.

Tab Settings

TSH	Set tab at the position of the embossing head.
TC	Clear all tab settings.

Line Spacing

LS n[m]	Line spacing. Default = 1. If you wanted line spacing of 1.5 lines then the command would be LS 1.5
---------	---

Braille Writing Commands

The following formatting commands apply in both Learn and Advanced Mode.

COR	Correction Mode. Default = on. Toggle
EM	Turn embossing off and on. Default = on. Toggle
MAN	Choose between Manual new line & Auto new line. Default = Auto. Toggle
MS [n]	Multi-strike feature. Set strikes per dot to "n". Useful for braille on heavy materials such as plastic braille label. n = 1 to 4. Default = 1
NP	Force a New (Braille) Page. Page eject.
PN [n]	Begin page numbering starting at value of "n".
PBELL [n]	Set page bottom warning bell to ring "n" lines before the end of the page.
RMBELL	Right margin bell. The bell rings 5 positions from the right hand margin. Default = on. Toggle
SHOW	Emboss commands as they are entered. Can be helpful for tracking mistakes. Default = Off. Toggle
WW	Word Wrap. When Word Wrap is on the word is not embossed till the Space Key is pressed. Default = Off. Toggle

COMMAND SUMMARY - BRAILLE WRITING

Braille Files in Memory

The following formatting commands apply in both Learn and Advanced Mode.
In the following commands [filename] means any name up to 16 characters long.

Start a File

BEGIN [filename] Opens a new file, called "filename".

Close a File

END Close an open file.
Alternatively you can simply turn the MB off and the open file will be automatically saved.

Find Out Which Files You Have Stored in Memory

DIR Embosses all filenames and their sizes

FREE Embosses the remaining free memory space

Change the File

APPEND [filename] Append more information to "filename".

RENAME filename1 filename2
Rename "filename1" to "filename2".

Delete Files

DEL [filename] Delete the file named "filename".

DEL ALL Delete all files.

UNDEL Retrieve deleted file. Only works if used before turning the unit off.

Emboss files that are stored in Memory

PR [filename] Print the file named "filename". Uses current settings.

MPR y [filename] Print "y" multiple copies of the file named "filename".

Miscellaneous Commands

VER Embosses Braille software version.

HP Help. Prints command summary

SAVE Saves all current settings. Use to save your preferred settings (these will then become the default)

STD Restore back to factory default settings

ALT n Enables your MB to accept ASCII characters above 128.
'n' can be any ASCII value

Braille Graphics

GF Graphics mode. The space between the dots is reduced.
Default = off. Toggle

Install Macros

The following 3 commands enable the 2 function keys to be used as for commands that are selected by the user.

KBLF Re-defines the left function key. Follow KBLF with new command(s). If using multiple commands press NL (new line key) between each command.

KBRF Re-defines the right function key. Follow KBRF with new command(s). If using multiple commands press NL (new line key) between each command.

KBLRF Re-defines third function (Left and right pressed together)

COMMAND SUMMARY - BRAILLE EMBOSSING

Using Your MB as an Embosser

The MB Writer Plus and the MB Pro can be used as a regular braille embosser for note-takers and PCs. Both models are compatible with note-takers such as the Braille Note, Braille Lite and the Braille-n Speak. When using your MB as a braille embosser for a PC it is recommended that a Windows based braille translation program such as Monty or Duxbury be used.

Your MB can use single sheet or continuous feed paper, however, the MB will only reliably emboss continuously if you use a lightweight paper (regular printer paper).

The MB Writer Plus and the MB Pro must be in Advanced Mode in order to use the parallel or serial ports for connecting to the PC.

Using Continuous Paper

CP	Continuous paper feed. Default = off. Toggle
CPA ±n	Add or subtract increment "n" to Form Length when using Continuous Paper.

Paper Size

FL n[.m]	Form Length. Sets physical length of page (in inches or centimetres).
----------	---

Page Numbering

PN [n]	Begin page numbering, starting at value of 'n'.
--------	---

Control of Braille Output

EL n	Allow only 'n' blank lines while embossing. Any lines greater than 'n' will be discarded. This avoids having large blank areas on your braille page.
CAP	Caps lock. Default = off. Toggle

The MB Writer only has one port which has been designed to use with the Mimic. If you want to use it as a port to connect to a PC or braille note-taker, you must first turn the Mimic function off, using the MIMIC command. (For additional information refer to the Mimic section on Page 16).

With the Mimic function turned off, you can also use your MB Writer as an embosser..

COMMAND SUMMARY - FORWARD TRANSLATION

The following commands apply in Advanced Mode only

Turn Forward translation on and off

FE	Forward translate and emboss. Toggle
FM filename	Forward translate and send to 'filename' in memory (turns embosser off).
FM Append	Forward translate and append to previously stored file with the name 'filename'.
FM END	Closes file and turns forward translation off. And turns embossing back on.

Change Braille Grade or Code

FGR grade	Select the Translation Grade, where 'grade' may be 1 or 2. Default = 2.
FLN language	Change the Translation Rules language
FFC language ,	Foreign character selection. This enables insertion of foreign or accented character into your text (without changing the translation rules where [language] can be one of the following codes;

OZ=Australian ITL=Italian DAN=Danish
NOR=Norwegian UK=English SP=Spanish FR=French
SWE=Swedish GER=German USA=United States
GRK=Greek DUT=Dutch FIN=Finnish POR=Portuguese

Formatting Your Braille

FLIT	Literal Mode. Used for making columns and tables in braille. Default = off. Toggle.
FLIT n	Creates a Hanging Indent. The variable "n" gives the number of indented spaces and can be 0, 1, 2, 3, 4, 5.
FLIT S	Suppresses blank lines as well as adding a two cell indent for new paragraphs. Default = on

Italics

FIT	When on, causes the subsequent text to be italicised in Braille. Default = off. Toggle
-----	--

Hyphens

FHYP	When on, will break braille words at the end of a line. Default is off. Toggle
------	--

Automatic Indent

FIN	When FIN is turned on the current Braille column is stored and subsequent Braille lines are indented to that column. Default = off. Toggle
-----	--

Multiple Space Removal

FSH	Replaces all multiple spaces and tabs that are in the text with single spaces in the braille. Default = on. Toggle
-----	--

Fraction Mode

FFR	Causes fractions to be translated to Braille using lower numeral sign for the denominator. A mathematical separation sign is used after the Braille fraction if it is followed by punctuation. Default = off. Toggle
-----	--

Upper Case

FCL

Used when translating capitalised or upper case text. When on, prevents double capital sign before words all in upper case. Default = off. Toggle

New Page

NP

Forces a new Braille page.

New Paragraph

FPA

Forces a new Braille paragraph. Used for flagging a new paragraph that is coincident with the top of a text page.

Lists / Tables

FLIST

Allows creation of simple lists or tables. This will produce a table of three columns, of 40%, 40% and 20% width. For example: If your braille page is 40 cells wide then the default will give three columns, each of cell widths 16, 16 and 8. Default = Off. Toggle

FLIST n1 n2

This command allows you to specify your own column widths, as a percentage of the line length. The values allocated to n1 and n2 will determine if you want two or three columns. If the values of n1 and n2 add up to exactly 100% then you will get two columns with widths in the proportions specified. If they do not add up to 100%, then you get three columns, of which the third column is the remainder. For three columns, the third column cannot be greater than 90% or less than 10%.

For example:

FLIST 3 7 is ok. Gives 3 columns 3% 7% 90%

FLIST 50 50 is ok. Gives 2 equal columns.

FLIST 33 33 is ok. Gives 3 equal (33, 33, 34) columns

FLIST 5 4 gives an error. (n1+n2 is less than 10%).

FLIST 50 45 gives an error. (n1+n2 greater than 90%).

Saving Your Preferred Settings

SAVE FT

Saves all current Forward Translation settings, including Braille Grade, language, and output settings.

STD FT

Restores all default Forward Translation settings. Does not interfere with stored settings.

RESTORE FT

Restores all stored Forward Translation settings.

COMMAND SUMMARY - BACK TRANSLATION

Turning Back Translation On

- BP Back translate to Parallel Port. Toggle
Use this when you have a regular printer connected to the parallel/printer port.
- BS1 Back translate to S1 Serial port. Toggle
- BS2 Back translate to S2 Serial port. Toggle

Changing the Braille Grade or Code Used

- BGR [grade] Translation Grade, (may be 1 or 2). Default = 2.
- BFC [language] Foreign character selection, where [language] can be one of the following codes;
OZ=Australian, ITL=Italian, DAN=Danish,
NOR=Norwegian, UK=English, SP=Spanish,
FR=French, SWE=Swedish, GER=German,
USA=United States, GRK=Greek, DUT=Dutch
FIN=Finnish, POR=Portuguese

Formatting Your Print Page

Automatic Indent

- BIN Causes all subsequent lines to indent to the current cursor position. Default = Off. Toggle

Centering

- BCE When on, causes text to be centred between left and right margins. Default = off. Toggle

Columns and Tables

- BLIT Literal Mode. When on, each new line in braille will produce a new line in print. When off, a new line in braille is ignored in the print copy (to avoid the print being broken). Default = off. Toggle
- BSH Remove hard spaces. Causes multiple spaces and tabs in your braille to be converted to single spaces and tabs in the print. Default = Off. Toggle

Margins, Line Length, Paper Size

Left Margin

- BLM [n] Sets width of left margin to 'n' blank spaces from the left-hand edge of the paper. Maximum value of 'n' is 30. Default = 8.

Right Margin

- BRM [n] Sets width of right margin to 'n' blank spaces from the right-hand edge of the paper. Maximum value of 'n' is 30. Default = 8.

Top Margin

- BTM [n] Sets a margin of 'n' blank lines at the top of the page before printing begins. The top margin may not exceed the form length less the page length. Default = 3.

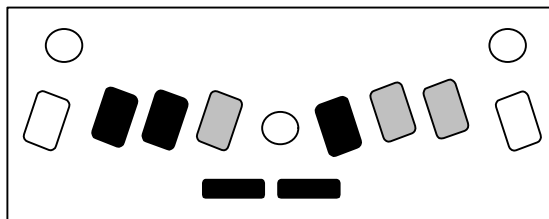
Line Length

- BLL [n] Sets the width of the print line, including margins, to 'n' characters, at 10 characters per inch. Maximum value of 'n' is 132. Default = 80.

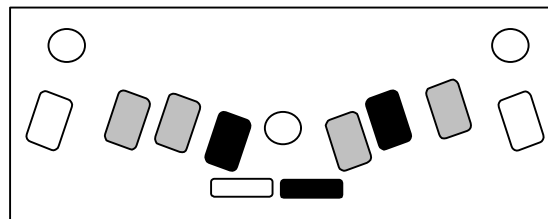
<p>Form Length BFL [n]</p>	<p>Sets the length of the page in "n" lines, at 6 lines to the vertical inch. The maximum value of "n" is 100. Default = 66.</p>
<p>Page Length BPL [n]</p>	<p>Sets the number of printed lines on the page to "n" lines. The page length may not exceed the form length. Default = 60.</p>
<p><i>Upper Case Lock</i> BCL</p>	<p>Locks output text into upper case when on and returns to normal echo of keystrokes when off. Default = Off. Toggle</p>
<p><i>Fraction Mode</i> BFR</p>	<p>Causes Braille fractions to be translated to text fractions using the slash character to separate numerator & denominator. Requires use of Mathematical Braille separation sign (Dot 6) between the fraction & any subsequent punctuation. Default = Off. Toggle</p>
<p><i>Tabulation</i> Tab Stop positions relate to printed output. Default settings are 9, 17, 25, 33, 41, 49, 57, 65, 73 and 81.</p>	
<p>BTBC</p>	<p>Clears all current tab stops</p>
<p>BTBA [n]</p>	<p>Sets an extra tab stop at position "n".</p>
<p><i>Line Spacing</i> BLS [n]</p>	<p>Sets the printer line spacing to "n", which may be from 1 to 10. Default = 1.</p>
<p><i>Page Justification</i> BPJ</p>	<p>When on, causes printed text to align with both margins. This may cause extra spaces to be inserted into text. Default = off. Toggle</p>
<p><i>Right Alignment</i> BRA</p>	<p>When on, causes printed text to align to the right margin. When off, text aligns to the left margin. Default = off. Toggle</p>
<p><i>Page Numbering</i> BPN [n] [p]</p>	<p>Turns page numbering on or off at the desired position 'p' with a value of 'n'. Max. value of 'n' is 1000, and accepted position codes are: TL - Top left BC - Bottom centre TC - Top centre BR - Bottom right TR - Top right OFF - Turn off BL - Bottom left ON - Turn on page numbering</p>
<p>BPNT [braille]</p>	<p>Creates a text string to be printed with the page number, where "braille" is the text to be printed. Note: To position text and turn numbering on and off, use the BPN command, as given above. Max. length of text is 15 characters, no punctuation allowed.</p>

COMMAND SUMMARY - SYNTHETIC SPEECH

Turn on Speech Menu
NL + SP + S



Exit the Speech Menu
SP + E



From within the Speech Menu the following keys alter the speech as indicated. *The first time you press each character the current setting is announced. If you press the same character again, you will scroll through the options available. The last spoken setting then becomes the current setting.*

Pitch, Volume and Rate.

- | | |
|-------|--|
| DOT 6 | Raise tone. It will say "higher" at the new pitch. |
| DOT 5 | Faster speech. It will say "faster" at the new rate. |
| DOT 4 | Increase volume. It will say "louder" at the new volume. |
| DOT 3 | Lower tone. It will say "lower" at the new pitch. |
| DOT 2 | Slower speech. It will say "slower" at the new rate. |
| DOT 1 | Decrease volume. It will say "softer" at the new volume. |

Speaking Mode

- | | |
|---|--|
| L | ASCII (grade 0). Computer Braille notation. |
| | Dot format. Letters spoken. Non-letters spoken as dots |
| | Translated format. This is the default setting. |

Punctuation

- | | |
|---|------------------------------------|
| P | The 3 modes are Most, Some or None |
|---|------------------------------------|

Number Format

- | | |
|---|--|
| N | Numbers being pronounced as digits or as complete numbers. |
|---|--|

Speak Capital Letters

- | | |
|---|-------------------------------|
| K | Speak capital letters. Toggle |
|---|-------------------------------|

Speak Commands as You Type Them

- | | |
|---|------------------|
| C | Either on or off |
|---|------------------|

Keyboard Echo

- | | |
|-------------------|---|
| E | Press the letter E to cycle through the 4 options; |
| Letters | Each character is echoed as it is entered. |
| Word | The last word entered is echoed when the space, carriage return and/or linefeed is entered. |
| Letters and Words | |
| None | No speech |

Foreign Characters

- | | |
|---|--|
| F | Pressing the letter F toggles between foreign letters being spoken or not. |
|---|--|

Speak Spaces

- | | |
|---|--|
| S | Pressing the letter S will toggle between spaces being spoken as "space" or ignored. |
|---|--|

COMMAND SUMMARY - THE EDITOR

EDIT (filename)	where <i>[filename]</i> is the name of the file you have stored in memory (or the name of the new file if you are starting a new one).
NL+Q	Exit the editor
NL+H	Help Menu. Default Off. Toggle The MB will say "Entering Help mode". Press the Left Function key to scroll through options. Press the right Function key to scroll back through the menu options.

Moving Around Within A File

SP + DOT 3	Move to previous character and speak it
SP + DOT 2	Move to previous word and speak it
SP + DOT 1	Move to previous line and speak it
SP + DOTS 13	Move cursor to top of previous page
SP + DOTS 123	Move cursor to start of file
SP + DOTS 36	Speak current character. Pressing twice will give phonetic equivalent or dot equivalent
SP + DOTS 14	Speak current line
SP + DOT 6	Move to next character and speak it
SP + DOT 5	Move to next word and speak it
SP + DOT 4	Move to next line and speak it
SP + DOTS 46	Move cursor to top of next page
SP + DOTS 456	Move cursor to end of file.

Other Chorded Commands

SP + T	<u>T</u> AB. Inserts a TAB at the cursor position in your file.
SP + P	HARD <u>P</u> AGE BREAK. Forces a hard page break.
NL + I	<u>I</u> NSERT/OVERWRITE MODE.
NL + C	CHANGING THE <u>C</u> ASE OF TEXT.
NL + W	<u>W</u> HERE AM I?:
SP + R	<u>S</u> PEAK REST OF FILE
SP + Z	<u>S</u> ILENCE COMMAND

Keyboard Commands.

NL	Newline key is treated as a (hard) carriage return.
BS	Backspace key is the same as the Read Last Character command (sp + dot3), except when you are entering text in response to a prompt, e.g. when asked for a filename, in which case it will act as a true Back Space.
CMD	Command Key will cancel any operation currently in progress.
Ent.	Enter key has no meaning or function when using the editor.

MENU COMMANDS

FILE MENU - Enables file operations such as reading, saving, re-formatting etc.

NL+F Enter the File Menu: The File menu has the following options:

O OPEN A FILE AND MOVE IT TO THE EDITOR
R RENAME THE FILE.
C CLEAR THE EDITOR WORK SPACE.
D DGIVE DIRECTORY LISTING. You are placed at the top of the file listing with the following supplementary commands available:
A A Speak the previous filename in the file listing.
C C Speak the current filename in the file listing
DOT 4 DOT 4 Speak the next filename in the file listing.
O Open a file, at the current "file cursor" position, into the editor.
D Delete the file at the current "file cursor" position.
F Five remaining space in the editor buffer

P PROTECT / UNPROTECT THE FILE.
F RE-FORMAT THE FILE.
S SAVE THE CURRENT EDITOR FILE.
SP + E EXIT THE MENU

EDIT MENU

NL+E Enter the Edit Menu: Edit menu has the following options.

S SIZE OF CURRENT FILE
R REMAINING WORK SPACE
W WHERE AM I? Gives current page, line, cursor position.
F FORM NEW PARAGRAPHS.
J JOIN CURRENT AND NEXT PARAGRAPH.
D DELETE HARD PAGE BREAKS IN FILE
G GO TO a selected page number.
C ENTER MOUNTBATTEN COMMAND.
T TAKE AWAY MOUNTBATTEN COMMAND.
SP + E EXIT THE MENU

BLOCK MENU

NL+B Enter the Block Menu: You have the following options:

B BEGIN BLOCK marker.
E END BLOCK marker.
C COPY BLOCK to cursor position.
M MOVE BLOCK to cursor position.
P PASTE BLOCK.
S SPEAK BLOCK. Speak the contents of a block.
D DELETE BLOCK

SP + E EXIT THE MENU

DELETE MENU

NL+D	Enter the Delete Menu: You then have the following options.
C	DELETE CURRENT <u>C</u> HARACTER
W	DELETE CURRENT <u>W</u> ORD.
L	DELETE CURRENT <u>L</u> INE.
P	DELETE CURRENT <u>P</u> AGE.
Dot3	DELETE PREVIOUS CHARACTER
Dots 256	DELETE TO END OF WORD
Dots 145	DELETE TO END OF LINE
R	<u>R</u> ESTORE LAST DELETION
SP + E	EXIT THE MENU

SEARCH MENU

NL+S	Enter the Search Menu: You then have the following options.
D	<u>D</u> IRECTION OF SEARCH
C	<u>C</u> ASE SENSITIVITY OF SEARCH
W	<u>W</u> ORD MATCHING
S	<u>S</u> EARCH FOR TEXT
R	SEARCH AND <u>R</u> EPLACE TEXT
L	RESTART <u>L</u> AST SEARCH

Entering Search and Replace Strings

When you start a search, you are asked to enter the **search string** (the letters or words that you are looking for). You may use any alphanumeric or space character. The search and replace strings are terminated by Chord-E (sp + E).

The Search Sub-Menu

If your search string is found in the file and this is a search only command, then you have available the following options:

W	Speak word that contains search string.
L	Speak line that contains search string.
N	Ignore this one and find next.
Command Key	Stop search and return to main search menu.
sp+E	Stop search and return to main editor

The Search and Replace Sub-Menu

If the search string is found and you have chosen to replace it, you have available the above Search sub-menu options as well as the following:

W	Speak word that contains search string.
L	Speak line that contains search string.
N	Ignore this one and find next.
Command Key	Stop search and return to search menu.
sp+E	Stop search and return to main editor
R	Replace this occurrence
A	Replace all occurrences

A search can be abandoned, at any time, by pressing the Command key.