

LeporellionVisualBraille (v2)

Another introduction in the Alphabet and Omega of the Leporellion by standardizing VisualBraille¹⁾

a. Rules for alphabetical arrangement

For the ABC we can use lower and upper case away from SHIFT. The font includes TrueTypeFont (.ttf) and OpenTypeFonts (.otf). I was using Inkscape to create Scalable Vector Graphics on a MacOS System with a Smart Keyboard (QWERTZ). Then the font is generated with FontForge.

At first you need to install the latest version (v2) from my GitHub account. Don't forget to overwrite or delete the previous version of VisualBraille. For each graphic letter there are rules for alphabetical and punctuation arrangement differentiated into 8 groups. Formerly my intention was to effect an economy in layout and sign replication.

Now, in the use of the numerical letters we are flexible. The Basic Signs can act as proxies to help us access and use the rest of the keyboard layout. Here, we learn from the experience in dealing with Traffic Signs in NewMorse (v2). Now basic signs were extended by three glyphs.

We keep the usual spelling and dot stamping in the color black very different to the font LeporellionNewMorse. However, it does not matter if you prefer capitalization with a preceded capital sign.

For word-spacing use the spacebar. I prefer the English pronunciation! This typefont is an universal solution and wordart from its own right licensed under the Creative Commons Attribution-NonCommercial-ShareAlike 4.0 International License. Permissions beyond the scope of this license may be available at github.com/scifiltr. Enjoy reading and keep in touch!

1) a. Page „Leporellion Font Family“. In: Smart Signs for Dark Times, Introreduction. from Jens T. Hinrichs: | Tue, Feb 5. 2019 | 5:21 p.m.
URL: <https://wissensfiltr.com/self-publicizing/User-Buildschatz-3.html>
b. Link Button: n-tier-Extensions-3.pdf and so on.

a1. Basic signs

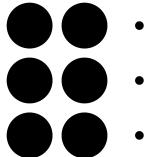
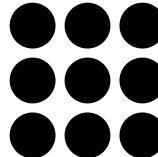
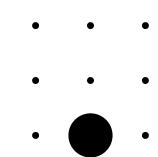
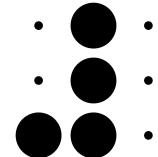
The VisualBraille must read dot by dot through 3 columns and 3 rows:

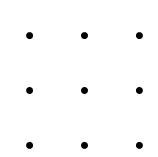
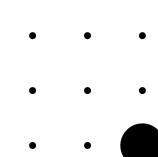
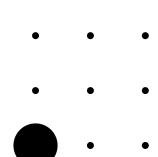
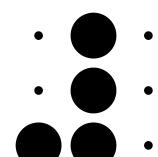
First column (**dot 1,2,3**), 2nd column (**dot 4,5,6**), 3rd column (**dot 7, 8, 9**).

The VisualBraille uses 9 dot (known as a bisected Domino rune stone in the Leporellion) that is compatible with 6-dot-Braille what the graphic letters A to Z concerns, but not with a refreshable braille display which has 8 dots in 4 rows. Sometimes the rules for punctuation arrangement in VisualBraille differs from the 6-dot-Braille. Among other things, we are dealing with this in Group 5 (otherwise) or in Group 8.2 (rephrasing).

The 3rd column is now required when numbers are immediately followed by letters. There is not a specific indicator sign essential for letter-spacing. But we can insert or highlight sentences, quotes and paragraphs with an empty rune stone (¶).

With 9-dot Braille we are now able to display the remaining glyphs (hidden keys) and special characters with dots. For this we will alienate keys (dagger and double dagger).

| | | | | |
|-------------|---|---|--|---|
| Glyph |  |  |  |  |
| Description | start sign 6-dot-Braille | start sign VisualBraille | preceded capital sign | preceded number sign |
| Key | 0 | 9 | ALT +<h> | ALT + <j> |

| | | | | |
|-------------|---|---|--|---|
| Glyph |  |  |  |  |
| Description | ¶ pilcrow empty rune | † dagger preceded sign for ALT | ‡ double dagger preceded sign for ALT-SHIFT | preceded number sign |
| Key | ALT + <3> | ALT + <t> | ALT-SHIFT + <y> | ALT-SHIFT + <3> |

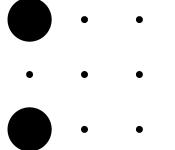
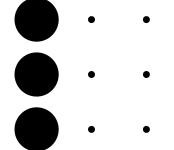
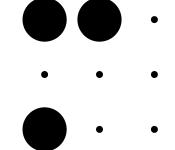
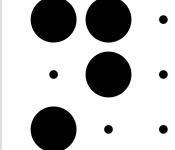
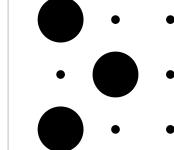
b. Graphical letters

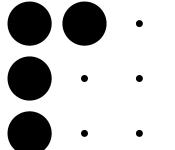
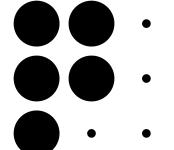
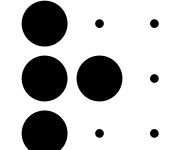
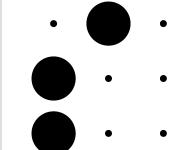
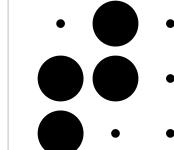
Group 1: For lower case a to j – Only two columns on two rows are occupied by dots. Third column and third row keep blank. What is common usage in 6-dot-Braille exempted from third column. Don't differentiate between lower and upper case! For upper case we use a preceded capital sign (a1. Basic signs).

| Glyph | | | | | |
|-------------|---|---|---|---|---|
| Description | a | b | c | d | e |
| Key | A | B | C | D | E |

| Glyph | | | | | |
|-------------|---|---|---|---|---|
| Description | f | g | h | i | j |
| Key | F | G | H | I | J |

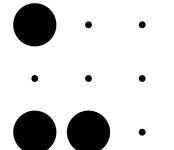
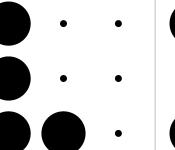
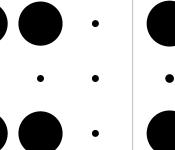
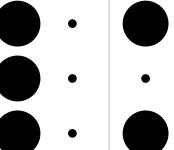
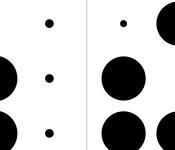
Group 2: For lower case k to t – Only dot 3 is added to group 1 (corresponds to letter a - j in lower case). For upper case we use a preceded capital sign. Third column keep blank.

| | | | | | |
|-------------|---|---|---|---|---|
| Glyph |  |  |  |  |  |
| Description | k | l | m | n | o |
| Key | K | L | M | N | O |

| | | | | | |
|-------------|---|---|---|---|---|
| Glyph |  |  |  |  |  |
| Description | p | q | r | s | t |
| Key | P | Q | R | S | T |

Group 3: For lower case u, v, x, y, z and β (sz or ss) – Dot 3 and 6 are added to some letters of group 1 (corresponds to lower case a - e and l). There is no upper case for letter β (sz) that can be used as an aggregate for lower case „sz“ or as an aggregate to make a double s or instead of repeating the lower case s of group 2.

For letter β (sz or ss) dot 6 is added to lower case s in group 2. But for a better understanding the alphabetical arrangement we should use group 1 in the most cases. Third column keep blank.

| | | | | | | |
|-------------|---|---|---|--|---|---|
| Glyph |  |  |  |  |  |  |
| Description | u | v | x | y | z | sz or ss |
| Key | U | V | X | Y | Z | β |

Group 4: For lower case w, aggregate oe (ö) and ue (ü) – Only dot 6 are added to some letters of group 1. Lower case w corresponds to letter J. We use aggregates to avoid sign replication. The aggregates oe and ue corresponds to letter I and H. Third column keep blank.

| Glyph | • • • ● ● : • • : | • • : ● : • ● : | ● ● : ● ● : • • : |
|-------------|-------------------------|-----------------------|-------------------------|
| Description | w | oe (ö) | ue (ü) |
| Key | W | Ö | Ü |

Group 5: Otherwise from letter arrangement that corresponds usually to group 1 there is no letter equivalent to aggregate ae – dot 3,4 and 5 built the letter. Third column keep blank.

New in LeporellionVisualBraille is the accent circumflex (dot 2, 4 and 8) instead of traditional usage we will alienate the key (^). We don't use it as a french phonogram, because we want to build missing links for n-tier Extensions (short codes) that I introduced in the Leporellion Learning Circle 1 (NewMorse) to 2 (VisualBraille). With a reverse accent circumflex (dot 1, 5 and 7) we can display the missing links. For both accent circumflexes there are no aquivalent in 6-dot-Braille.

| | | | |
|-------------|-------------------------|------------------------------------|-------------------------------------|
| Glyph | • ● • • ● • ● • • | • ● • ● • • • • • | ● • • • ● • • • • |
| Description | ae (ä) | ^ accent circumflex (normal) | ^ accent circumflex (reverse) |
| Key | Ä | <^> | ALT-SHIFT + <6> |

c. Punctuation

Group 6: The following rules of punctuation arrangement corresponds to lower case a to j of group 1. Placed dots move just one row lower. Only first row and third column keep blank. But to make a punctuation we press the common keys sometimes in combination with SHIFT with few exceptions.

| | | | | | |
|-------------|-------------------------|-------------------------|---------------------------|---------------------------|-------------------------|
| Glyph | • • • ● • • • • • | • • • ● • • • • • | • • • ● ● ● • • • • | • • • ● ● ● • • • • | • • • ● • • • • • |
| Description | , comma | ; semicolon | : double dot | . dot | ? question mark |
| Key | <,> | SHIFT + <,> | SHIFT + <.> | <.> | SHIFT + <β> |

Formerly for opening and ending quote we gave the alphabetical key H and key J a new interpretation, because of conflicts in the rules of punctuation arrangements in 6-dot-Braille. Now we can use the common keys properly. We don't make a difference of alternative quotations marks (<, >, «, ») that can be placed over multiple keyboard shortcuts (ALT-SHIFT + or <N>, ALT + <Q>, ALT-SHIFT + <Q>).

We use the common keys to make inner quotes (group 8.1 domino). There is just one sign for opening and closing brackets and curly brackets.

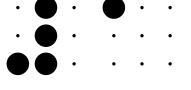
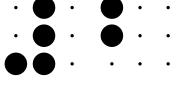
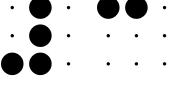
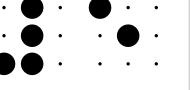
Also the key for + is needed to make an Ampersand that can be placed over SHIFT + <6>. We display the same glyph for both over two keyboard shortcuts.

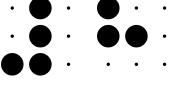
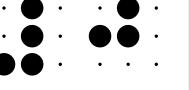
| | | | | | |
|-------------|---------------------------|----------------------------------|---------------------------|---------------------------|---------------------------|
| Glyph | • • • ● ● ● • ● • • | • • • ● ● ● • ● • • | • • • ● ● ● • ● • • | • • • ● ● ● • ● • • | • • • ● ● ● • ● • • |
| Description | ! exclamation point | () brackets on/off | „ opening quote | * asterisk | “ ending quote |
| Key | SHIFT + 1 | SHIFT + <8> or SHIFT + <9> | ALT + <2> | SHIFT + <+> | ALT-SHIFT + <2> |

| | | | | |
|-------------|---------------------------------|----------------------------|--------------------------|---------------------------|
| Glyph | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • |
| Description | { } curly brackets on/off | square brackets opening | + or & | square brackets ending |
| Key | ALT + <8> or ALT + <9> | ALT + <5> | <+> or SHIFT + <6> | ALT + <6> |

d. Numerical letters and upper cases in 6-dot-Braille

Group 7: a. We use the keys A to J of group 1 that corresponds to the rules of alphabetical arrangements in 6-dots-Braille. Type the key A - J after the preceded number sign (number sign, section a1. Basic signs).

| | | | | | |
|-----------------------------------|---|---|--|---|---|
| Glyph with preceded number sign # |  |  |  |  |  |
| Description | 1 | 2 | 3 | 4 | 5 |
| Key | ALT + <j> and A | ALT + <j> and B | ALT + <j> and C | ALT + <j> and D | ALT + <j> and E |

| | | | | | |
|-----------------------------------|--|--|---|--|--|
| Glyph with preceded number sign # |  |  |  |  |  |
| Description | 6 | 7 | 8 | 9 | 0 |
| Key | ALT + <j> and F | ALT + <j> and G | ALT + <j> and H | ALT + <j> and I | ALT + <j> and J |

b. Type the key A - Z after the preceded capital sign (capital sign, section a1. Basic signs) when you make upper cases. There is no capital sign needed at the beginning of a set after making a dot (section a. Punctuation).

| | | | | | |
|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Description | A | B | C | D | E |
| | ALT+ <H> then A | ALT+ <H> then B | ALT+ <H> then C | ALT+ <H> then D | ALT+ <H> then E |
| | ALT+ <H> then A | ALT+ <H> then B | ALT+ <H> then C | ALT+ <H> then D | ALT+ <H> then E |
| | ALT+ <H> then A | ALT+ <H> then B | ALT+ <H> then C | ALT+ <H> then D | ALT+ <H> then E |
| | ALT+ <H> then A | ALT+ <H> then B | ALT+ <H> then C | ALT+ <H> then D | ALT+ <H> then E |

| | | | | | |
|---|--------------------|--------------------|--------------------|--------------------|--------------------|
| Glyph with preceded capital sign | | | | | |
| Description | F | G | H | I | J |
| Key | ALT+ <H> then F | ALT+ <H> then G | ALT+ <H> then H | ALT+ <H> then I | ALT+ <H> then J |

Group 8.0: For the Numerics use the keys above from graphical pad. The difference between graphical and numerical letters in 6-dot-Braille and the Font LeporellionVisualBraille is unmistakable. VisualBraille make capital letters infrequently. For VisualBraille we should prefer the new Numerics in a bisected Domino rune stone and lower case by avoiding sign replication.

| | |
|----------------------------|--|
| Glyph by using start signs |  |
| Description | 0 - 9 |
| Key | 0 1 2 3 4 5 6 7 8 9 |

e. Other punctuation and rephrasing in VisualBraille

Using VisualBraille also effects an economy in punctuation, sign replication (group 8.2. domino rephrasing) and function of keys to make some additional characters that are completely missing in 6-dot-Braille. You will see the advantage in the corresponding letters and usual function of keys that changed and intend a double function. There are no other variant spelling and redundant glyph set. Use the Spacebar before putting the equal sign in a spreadsheet!

Group 8.1: First column always keep blank. Letter A and M move one column to the right to make the sign. We move the hash sign (#) one column to the right to differentiate it with a preceded number sign. Use a preceded Masterspace (@) to mention somebody or to place an E-Mail.

| | | | | |
|-------------|-------------------------|-----------------------------|-------------------------|-----------------------------|
| Glyph | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • |
| Description | < smaller than | > greater than | § paragraph | ' apostrophe |
| Key | < | SHIFT + < | SHIFT + 3 | SHIFT + # |
| Glyph | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • |
| Description | # hash tag | ' inner quote opening | = equal sign | ' inner quote closing |
| Key | # | | SHIFT + 0 | |
| Glyph | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • | • • • • • • • • • |
| Description | @ masterspace | \ reverse slash | / normal slash | verticle line |
| Key | ALT + <L> | ALT-SHIFT + <7> | SHIFT + <7> | ALT + <7> |

Group 8.2: We tackle the problem with double function of keys and missing signs for punctuation by rephrasing 6-dot-Braille. You remember that key for numeric 6 (&) triggers the glyph ‘plus’. Now just the sign + can be interpreted as an Ampersand (&). The en dashes are in clear contrast to an em dash.

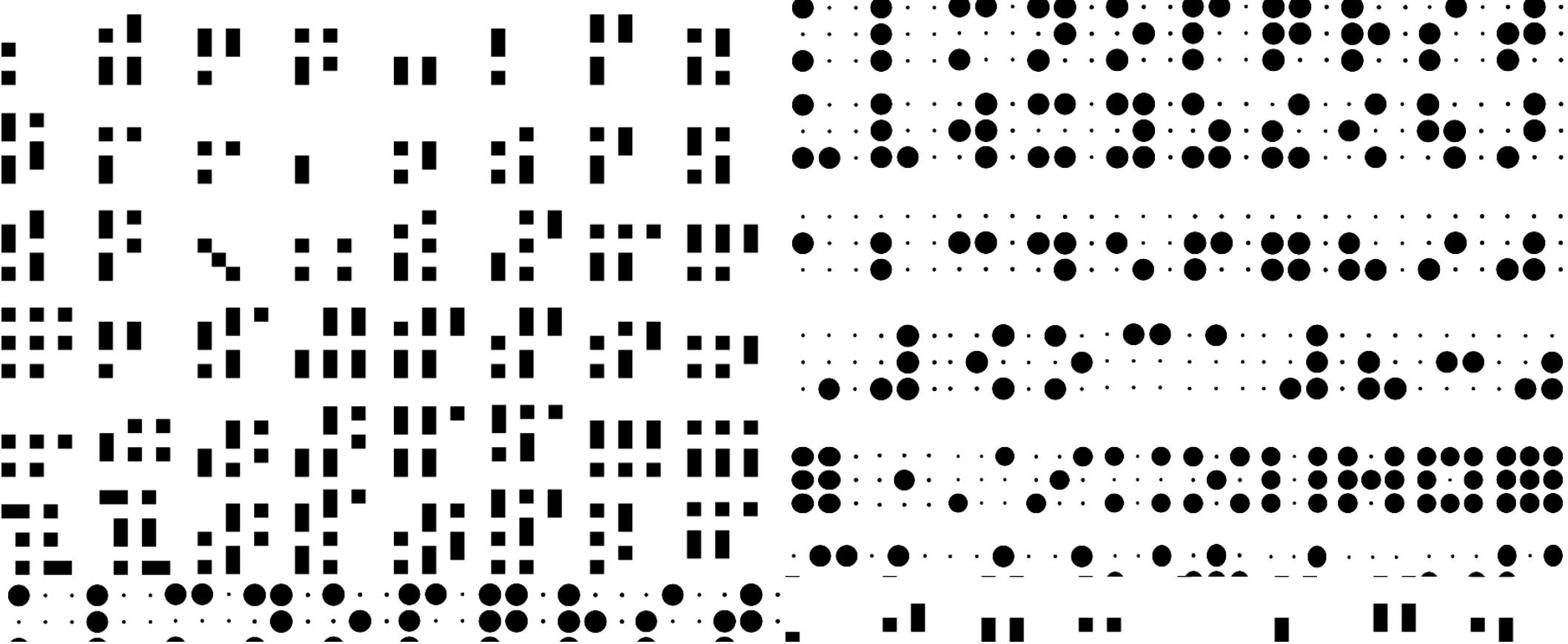
If you will write in upper cases then use always a preceded capital sign else press SHIFT when it is appropriate to the glyph set in VisualBraille.

| | | | | |
|-------------|------------------|--------------|---------------------|--|
| Glyph | • • • | • • • | • • • | • • • |
| Description | ° degree/grad | % percent | + also & | ./. or - net of/less formerly en dash/minus |
| Key | SHIFT + ^ | SHIFT + <5> | + or SHIFT + <6> | - |

| | | | | |
|-------------|--------------|-----------------------------------|--------------|--------------------------------|
| Glyph | • • • | • • • | • • • | • • • |
| Description | — em dash | ∞ PAUSE formerly en dash | ✓ RADICAL | ... WAIT to be continued |
| Key | SHIFT + <-> | ALT + <,> | ALT + <V> | ALT + <.> |

| | | | | |
|-------------|--------------------|---------------------|-------|-----------|
| Glyph | • • • | • • • | • • • | |
| Description | — long dash | verticle line small | | |
| Key | ALT-SHIFT + <-> | ALT-SHIFT + <J> | | ALT + <7> |

You will see, in v1 the focus was on the widening of traditional 6-dot Braille. In v2, we are dedicated for the first time to intercultural standardization (Basic Leporellion). However, you should get used to the special grammar and practice it. Therefore you need an overview!



LEPORELLION FONT FAMILY

LEARNING CIRCLE 4

Grammar and Variant Spelling in NewMorse/VisualBraille

4.1. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion New Morse (v2)

| KEY | SHIFT | ALT | ALT SHIFT | NewMorse by glyphs | | | | NewMorse by keying | | | | | |
|-----|-------|-----|-----------|--------------------|---|-------------|---|--|------------|-------------|--------------|--------------|--------------|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | | |
| ^ | ° | " | " | □□□ □□ | □□ | ■■ | ■■ | □□□ □□ | □□ | ■■ | □□ | | |
| 1 | ! | ¡ | ¬ | ■■■ | □□□□ | ■■■ | ■■■ | □□□□ | □□□□ | ■■■ | ■■■ | | |
| 2 | " | " | " | ■■■ | ■■■ | □□□ □□ | □□□ □□ | ■■■ | ■■■ | □□□ □□ | □□□ □□ | | |
| 3 | § | ¶ | # | ■■■ | ■■■ | □□□□ | ■■■■ | ■■■ | ■■■ | □□□□ | ■■■■ | | |
| 4 | \$ | ¢ | £ | ■■■ | Dollar: use preceded hash with upper case S | | Cent: use preceded hash with lower case c | Livre: use preceded hash with upper case L | | ■■■ | ■■■□ ■■■□ | ■■■■ ■■■□ | ■■■□ ■■■□ |
| 5 | % | [| fi | ■■■ | ■■■ | ■■■ | ■■■ | preceded traffic sign (ALT-SHIFT) with numeric | | | | | |
| 6 | & |] | ^ | ■■■ | ■■■ | ■■■ | □□□□ □□□ | ■■■ | ■■■ | ■■■ | □□□ | | |
| 7 | / | | \ | ■■■ | ■■■ | □□□ □□ | □□□ □□ | ■■■ | ■■■ | □□□ □□ | □□□ □□ | | |
| 8 | (| { | ~ | ■■■ | ■■■ | □□□ □□ | □□□ □□ | preceded traffic sign (ALT-SHIFT) with numeric | | | | | |
| 9 |) | } | . | ■■■ | ■■■ | □□□□ □□□ | □□□□ □□□ | ■■■ | ■■■ | □□□□ □□□ | □□□□ □□□ | | |
| 0 | = | ≠ | - | ■■■ | ■■■ | □□□ □□ | □□□ □□ | preceded traffic sign (ALT-SHIFT) with numeric | | | | | |
| ß | ? | ¿ | . | ■■■ | ■■■ | ■■■ | ■■■ | ■■■ | ■■■ | □□□ □□ | □□□ □□ | | |
| , | , | , | ° | ■ | ■ | ■ | ■ | □□□ □□□ | □□□ □□□ | □□□ □□□ | □□□ □□□ | | |

4.1. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion New Morse (v2)

| KEY | SHIFT | ALT | ALT SHIFT | NewMorse by glyphs | | | | NewMorse by keying | | | |
|--------|--------|-----|-----------|--------------------|------|-----|----|--------------------|------|-------------------------|----------------------------|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 |
| q Q | « » | | | ■■ | □□ | ■■ | □□ | ■ | □□ | ■■ | □□ |
| w W | Σ „ | | | ■■ | □□ | | | ■■ | □□ | ■■■■ | ■■ |
| e E | € % | | | ■ | □ | | | ■ | □ | ■■■■ | □□ |
| r R | ® | , | | ■■ | □□ | | | ■■ | □□ | ■■■■ | phonogram not supported |
| t T | † | „„„ | | ■■ | □ | ■■■ | | ■ | □ | ■■■■ | phonogram not supported |
| z Z | Ω | ˇ | | ■■ | □□ | | | ■ | □□ | ■■■■ | n.n. |
| u U | --- | Á | | ■■ | □□ | | | ■■ | □□ | phonogram not supported | vocal letter not supported |
| i I | / | Û | | ■ | □ | ■■■ | | ■ | □ | ■■■■ | vocal letter not supported |
| o O | ø | Ø | | ■■ | □□ | | | ■ | □ | ■■■■ | □□ |
| p P | π | Π | | ■■ | □□ | | | ■■ | □□ | ■■■■ | ■■■■ |
| ü Ü | • | ◦ | | ■■ | □□ | | | ■■ | □□ | ■■■■ | □□□□ |
| + | * | ± | apple | ■■■■ | ■■■■ | | | ■■■■ | ■■■■ | ■■■■■■ | ■■■■■■ |

4.1. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion New Morse (v2)

| KEY | SHIFT | ALT | ALT SHIFT | NewMorse by glyphs | | | | NewMorse by keying | | | |
|-----|-------|-----|-----------|--------------------|------|---|---|--------------------|------|------|-------------------------------|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 |
| a | A | å | Å | ■ | □□ | ■ | □ | ■ | □ | ■ | □ |
| s | S | , | í | ■■ | □□ | □□ | vocal letter not supported | ■■ | □□ | ■■■■ | vocal letter not supported |
| d | D | ð | TM | ■■ | □□ | use preceded traffic sign (ALT) with lower case | preceded traffic sign (ALT-SHIFT) with lower case | ■■ | □□ | ■■■■ | ■■■■ |
| f | F | f | ï | ■■ | □□ | use preceded traffic sign (ALT) with lower case | vocal letter not supported | ■■ | □□ | ■■■■ | vocal letter not supported |
| g | G | © | ì | ■■ | □□ | use preceded traffic sign (ALT) with lower case | vocal letter not supported | ■■ | □□ | ■■■■ | vocal letter not supported |
| h | H | a | ó | ■■ | □□ | ■■■■ | vocal letter not supported | ■■ | □□ | ■■■■ | vocal letter not supported |
| j | J | o | I | ■■ | □□ | ■■■■ | ■■ | ■■ | □□ | ■■■■ | .. |
| k | K | Δ | ^ | ■■ | □□ | use preceded traffic sign (ALT) with lower case | □□□ | ■■ | □□ | ■■■■ | □□ |
| l | L | @ | fl | ■■ | □□ | ■■■■ | preceded traffic sign (ALT-SHIFT) with lower case | ■■ | □□ | ■■■■ | ■■■■ |
| ö | Ö | œ | Œ | ■■ | □□ | ■■ | □□ | ■■ | □□ | ■■ | □□ |
| ä | Ä | æ | Æ | ■■ | □□ | ■■ | □□ | ■■ | □□ | ■■ | □□ |
| # | : | : | : | ■■■■ | ■■■■ | □□□□ | ■■■■ | ■■■■ | ■■■■ | ■■■■ | □□□□ |

4.1. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion New Morse (v2)

| KEY | SHIFT | ALT | ALT SHIFT | NewMorse by glyphs | | | | NewMorse by keying | | | |
|-----|-------|-----|-----------|---|--|---|---|---|---|---|--|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 |
| < | > | ≤ | ≥ |  |  | use preceded traffic sign (ALT) with punctuation | |  |  |  |  |
| y | Y | ¥ | ‡ |  |  | Yen: use preceded hash with upper case Y | |  |  |  |  |
| x | X | ≈ | Ù |  |  | use preceded traffic sign (ALT) with lower case | |  |  |  |  |
| c | C | ç | Ç |  |  |  |  |  |  |  | |
| v | V | ✓ | ◊ |  |  |  |  |  |  |  | |
| b | B | ſ | < |  |  | use preceded traffic sign (ALT) with lower case | |  |  |  |  |
| n | N | ~ | > |  |  | use preceded traffic sign (ALT) with lower case | |  |  |  |  |
| m | M | μ | ^ |  |  | use preceded traffic sign (ALT) with lower case | |  |  |  |  |
| , | ; | ∞ | , |  |  |  |  |  |  |  | phonogram not supported |
| . | : | ... | ÷ |  |  |  |  |  |  |  | phonogram not supported |
| - | - | - | - |  |  |  |  |  |  |  | |

4.2. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion Visual Braille (v2)

| KEY | SHIFT | ALT | ALT SHIFT | VisualBraille by glyphs | | | | VisualBraille by keying | | | |
|-----|-------|-----|-----------|----------------------------------|-----------------------------------|---|---|-------------------------|-----|-----|-----|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 |
| ^ | ° | " | " | •• | • | •• | ••• | •• | • | •• | ••• |
| 1 | ! | ¡ | ¬ | •• | •• | •• | •• | •• | •• | ••• | ••• |
| 2 | " | " | " | •• | •• | •• | •• | •• | •• | ••• | ••• |
| 3 | § | ¶ | # | •• | •• | •• | •• | •• | •• | ••• | ••• |
| 4 | \$ | ¢ | £ | •• | •• | •• | •• | •• | •• | ••• | ••• |
| 5 | % | [| fi | •• | •• | •• | •• | •• | •• | ••• | ••• |
| 6 | & |] | ^ | •• | •• | •• | •• | •• | •• | ••• | ••• |
| 7 | / | | \ | •• | •• | •• | •• | •• | •• | ••• | ••• |
| 8 | (| { | ~ | ••• | ••• | ••• | ••• | ••• | ••• | ••• | ••• |
| 9 |) | } | - | ••• | ••• | ••• | ••• | ••• | ••• | ••• | ••• |
| 0 | = | ≠ | - | ••• | ••• | ••• | ••• | ••• | ••• | ••• | ••• |
| ß | ? | ¿ | - | •• | •• | •• | •• | •• | •• | ••• | ••• |
| , | , | , | ° | •• | •• | •• | •• | •• | •• | ••• | ••• |
| | | | | accent agui: use lower case e | accent grave: use lower case e | preceded reverse slash with question mark | small square: capital sign with dot | | | | |

4.2. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion Visual Braille (v2)

| KEY | SHIFT | ALT | ALT SHIFT | VisualBraille by glyphs | | | | VisualBraille by keying | | | |
|-----|-------|-----|-----------|-------------------------|---|--|---|-------------------------|-----|-------------------------|----------------------------|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 |
| q | Q | « | » | ••• | use preceded capital sign with lower case | ••• | ••• | ••• | ••• | ••• | ••• |
| w | W | Σ | „ | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | ••• | ••• | ••• | ••• | ••• |
| e | E | € | % | ••• | use preceded capital sign with lower case | Euro: use preceded hash with upper case C | basic sign double dagger (ALT-SHIFT) with e | ••• | ••• | ••• | ••• |
| r | R | ® | , | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | phonogram not supported | ••• | ••• | ••• | phonogram not supported |
| t | T | † | „„ | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | phonogram not supported | ••• | ••• | ••• | phonogram not supported |
| z | Z | Ω | ˇ | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | basic sign double dagger (ALT-SHIFT) with z | ••• | ••• | ••• | ••• |
| u | U | --- | Á | ••• | use preceded capital sign with lower case | phonogram not supported | vocal letter not supported | ••• | ••• | phonogram not supported | vocal letter not supported |
| i | I | / | Û | ••• | use preceded capital sign with lower case | use preceded capital sign with numeric three | vocal letter not supported | ••• | ••• | ••• | vocal letter not supported |
| o | O | ø | Ø | ••• | use preceded capital sign with lower case | ••• | use preceded capital sign with lower case | ••• | ••• | ••• | ••• |
| p | P | π | Π | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | basic sign double dagger (ALT-SHIFT) with p | ••• | ••• | ••• | ••• |
| ü | Ü | • | ◦ | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | ••• | ••• | ••• | ••• | ••• |
| + | * | ± | apple | ••• | basic sign dagger (ALT) with Plus | basic sign double dagger (ALT-SHIFT) with Plus | ••• | ••• | ••• | ••• | ••• |

4.2. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion Visual Braille (v2)

| KEY | SHIFT | ALT | ALT SHIFT | VisualBraille by glyphs | | | | | VisualBraille by keying | | | | |
|-----|-------|-----|-----------|-------------------------|---|---|---|----|-------------------------|-----|-----|-----|----------------------------|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | | |
| a | A | å | Å | ● | use preceded capital sign with lower case | ● | use preceded capital sign with lower case | ● | ● | ● | ● | ● | ● |
| s | S | , | í | ● | use preceded capital sign with lower case | ● | vocal letter not supported | ● | ● | ● | ● | ● | vocal letter not supported |
| d | D | ð | TM | ●● | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | basic sign double dagger (ALT-SHIFT) with d | ●● | ●● | ●● | ●● | ●● | ●● |
| f | F | f | ï | ●● | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | vocal letter not supported | ●● | ●● | ●● | ●● | ●● | vocal letter not supported |
| g | G | © | ì | ●● | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | vocal letter not supported | ●● | ●● | ●● | ●● | ●● | vocal letter not supported |
| h | H | a | ó | ●● | use preceded capital sign with lower case | ● | vocal letter not supported | ●● | ●● | ●● | ●● | ●● | vocal letter not supported |
| j | J | o | í | ●● | use preceded capital sign with lower case | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● |
| k | K | Δ | ^ | ● | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | basic sign double dagger (ALT-SHIFT) with k | ● | ●● | ●● | ●● | ●● | ●● |
| l | L | @ | fl | ●● | use preceded capital sign with lower case | ●● | basic sign double dagger (ALT-SHIFT) with l | ●● | ●● | ●● | ●● | ●● | ●● |
| ö | Ö | œ | Œ | ●● | use preceded capital sign with lower case | ●● | use preceded capital sign with lower case | ●● | ●● | ●● | ●● | ●● | ●● |
| ä | Ä | æ | Æ | ●● | use preceded capital sign with lower case | ●● | use preceded capital sign with lower case | ●● | ●● | ●● | ●● | ●● | ●● |
| # | : | : | : | ●●● | ●●● | ●●● | ●●● | ●● | ●●● | ●●● | ●●● | ●●● | ●●● |

4.2. BASIC LEPORELLION: GRAMMAR AND VARIANT SPELLING ON A SMART KEYBOARD (QWERTZ/MAC LATIN)

You need to install the latest version of Leporellion Visual Braille (v2)

| KEY | SHIFT | ALT | ALT SHIFT | VisualBraille by glyphs | | | | VisualBraille by keying | | | |
|-----|-------|--------|-----------|-------------------------|---|--|---|-------------------------|------|------|----------------------------|
| 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 | 01 | 02 | 03 | 04 |
| < | > | \leq | \geq | •• | ••• | smaller than with post-positioned equal sign | greater than with post-positioned equal sign | •• | •• | •••• | •••• |
| y | Y | ¥ | ‡ | ••• | use preceded capital sign with lower case | Yen: use preceded hash with upper case Y | ••• | •• | ••• | •••• | •••• |
| x | X | ≈ | Ù | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | vocal letter not supported | ••• | ••• | •••• | vocal letter not supported |
| c | C | ç | Ç | ••• | use preceded capital sign with lower case | ••• | use preceded capital sign with lower case | ••• | ••• | •••• | •••• |
| v | V | ✓ | ◊ | ••• | use preceded capital sign with lower case | ••• | ••• | ••• | ••• | •••• | •••• |
| b | B | ƒ | < | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | ••• | ••• | ••• | •••• | •••• |
| n | N | ~ | > | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | ••• | ••• | •••• | •••• | •••• |
| m | M | μ | ~ | ••• | use preceded capital sign with lower case | basic sign dagger (ALT) with lower case | basic sign double dagger (ALT-SHIFT) with m | ••• | ••• | •••• | •••• |
| , | ; | ∞ | , | •• | ••• | ••• | phonogram not supported | •• | •• | ••• | phonogram not supported |
| . | : | ... | ÷ | •• | ••• | ••• | basic sign double dagger (ALT-SHIFT) with Dot | ••• | ••• | •••• | •••• |
| - | - | - | - | ••• | use preceded basic sign dagger (ALT) with Minus | ••• | ••• | ••• | ••• | •••• | •••• |

IMPRESSED?

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with Public GPG-Key:
062E 52D8 43F5 C61B 4A12 61FE EDD2 5580 27C6 921C

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