Brill Epichoric Font
and macOS Keyboard
Manual

Version 0.2 – September, 2020
Pim Rietbroek

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Please make sure you have the following files:

Brill Epichoric b006h.otf
Brill Epichoric Greek.dmg
        (containing:
        Brill_Epichoric.bundle;
        Keyboard Installer)
Brill_Greek_Epichoric_macOS_ANSI_keyboard_diagram_v2.pdf
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0. IMPORTANT, BEFORE YOU BEGIN:

KEYBOARD AND FONT: REMOVE OLDER VERSIONS FIRST
If you had already installed an earlier version of the 'Brill Epichoric Greek'
keyboard, you need to deactivate this first, then restart your computer, and
remove the (old) file 'Brill Epichoric Greek.bundle' from your Keyboard
Layouts folder. After that, you can install the new version. See 4. DEACTI-
VATION AND DEINSTALLATION, at the end of this document.

Also, if you had installed a version of the Brill Epichoric font older than the
current version 'b006h' ('beta 006, hinted' – see the font file name), please
remove that font before installing the newer version.

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1. INSTALLING THE BRILL EPICHORIC FONT
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Double-click the file 'Brill Epichoric b006h.otf', and in the Font Book win-

dow that opens, click on the 'Install Font' button.

That is all.
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2. INSTALLING THE BRILL EPICHORIC GREEK KEYBOARD
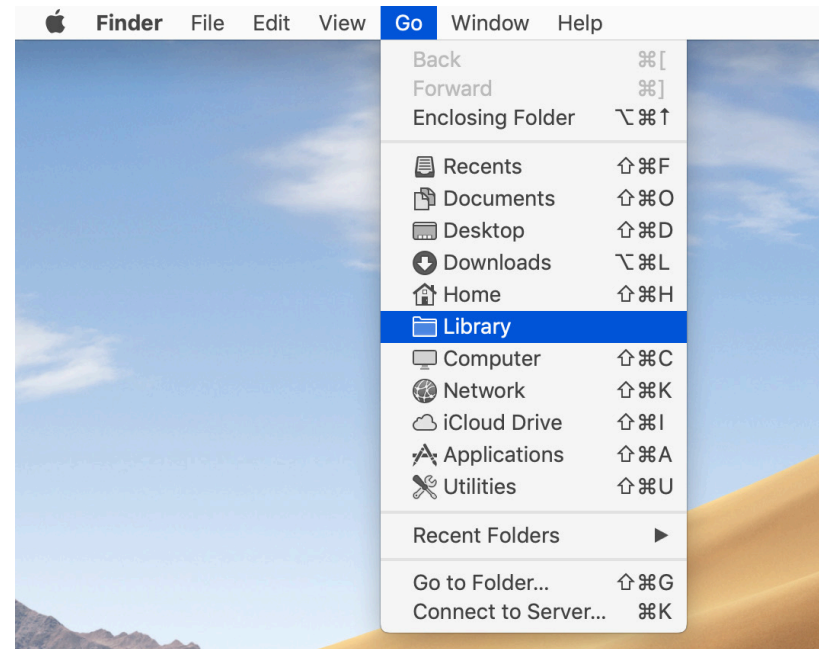===
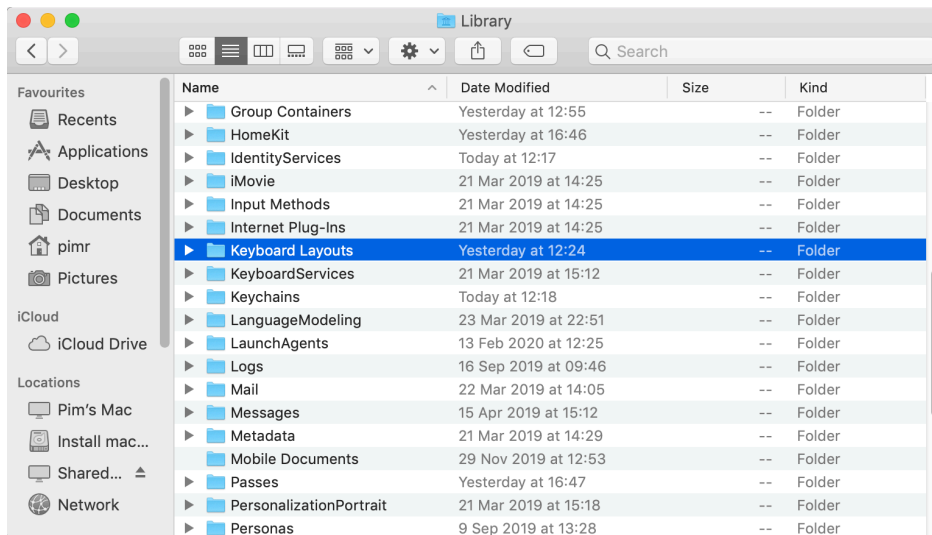
Installing the keyboard can be done in two ways:
2.1) Manually.
2.1.1) Mount (double-click) the disk image, and copy the file 'Brill_Epicho-
ric.bundle' to ~/Library/Keyboard Layouts/ (this is the Keyboard Layouts
folder of the current user; there are other such folders, but from macOS High
Sierra onwards it is recommended you only install custom keyboard layouts
in this location, *not* in the root level, /Library/Keyboard layouts/), and
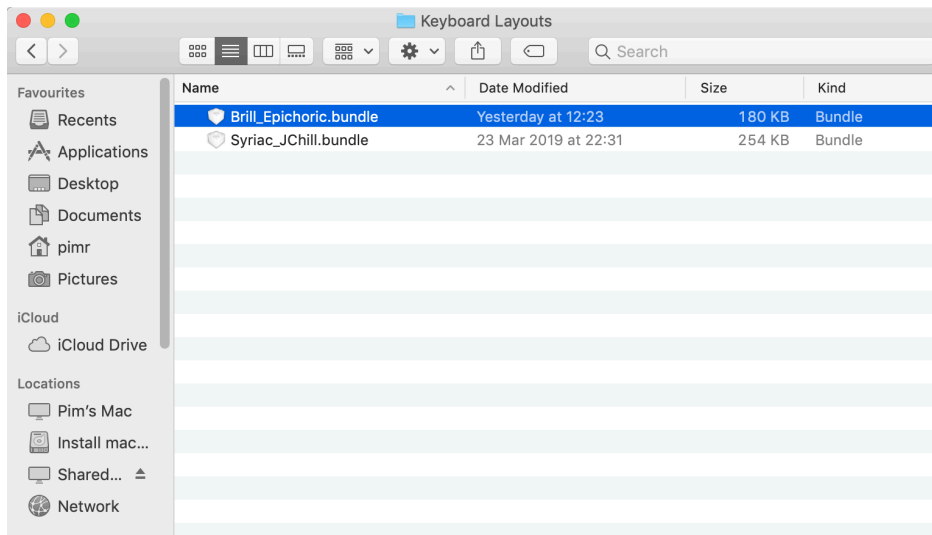certainly *never* in the system library.
The easiest way to open the folder ~/Library/Keyboard Layouts/ *from the
Finder* is to press and hold Alt/Option (⌥) when choosing the 'Go' menu:

If your Library folder is hidden, pressing the Alt/Option (⌥) key will reveal the 'Library' menu item.

Inside the Library folder, open the 'Keyboard Layouts' folder; should there be none, create one with that exact name (without the quotes) and put your custom keyboard layouts inside it.
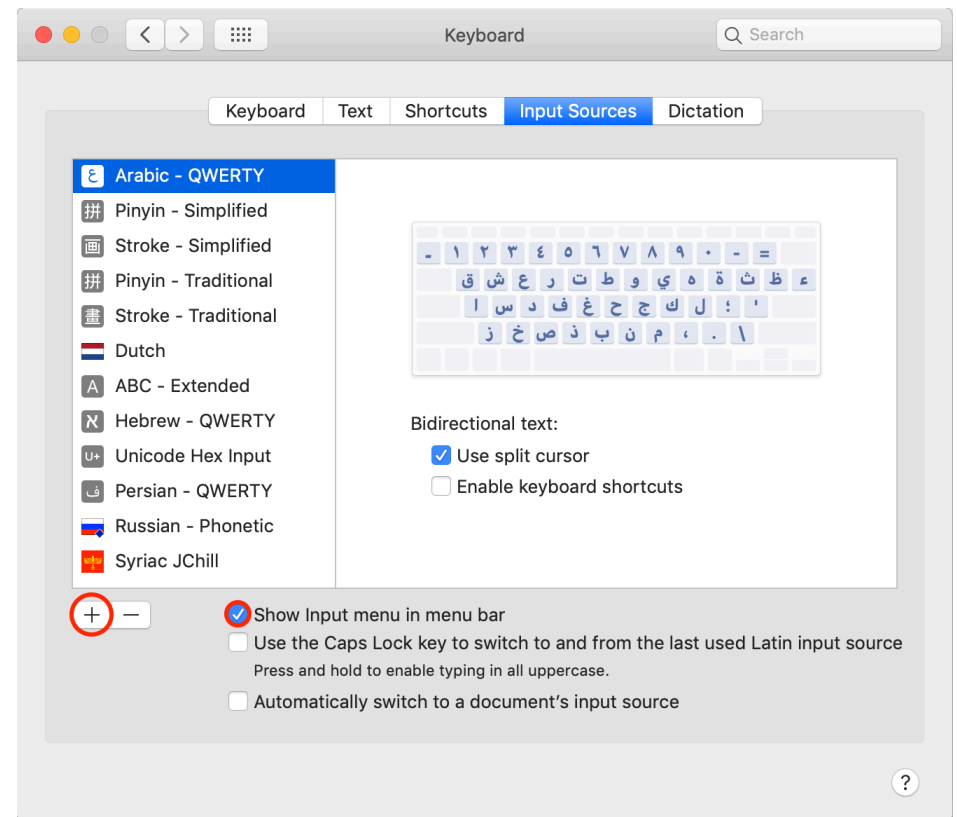

2.1.2) Restart your computer.

2.1.3) Open System Preferences.

2.1.4) Go to 'Keyboard' in the second row and click. The Keyboard Preferences become visible, with five main tabs. The Keyboard and Input Sources tabs are important for the purpose of using the Brill Epichoric font and the dedicated macOS keyboard.
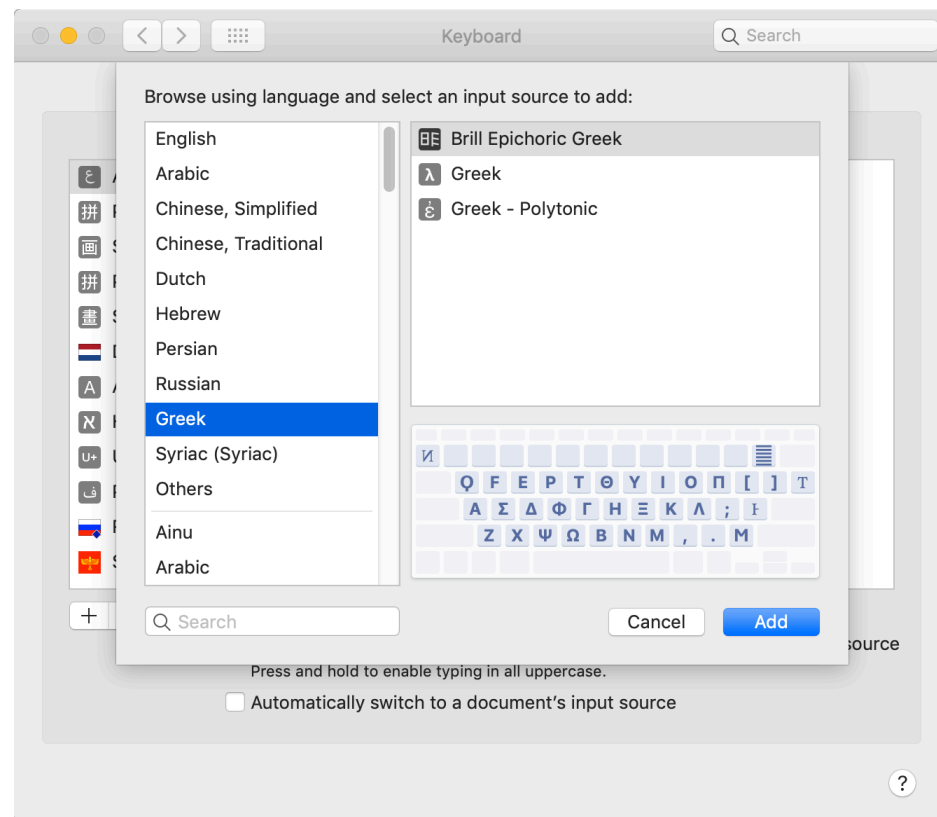
2.1.5) In the 'Keyboard' tab, checkmark 'Show keyboard and emoji viewers in menu bar'. This is optional but recommended: the Keyboard Viewer is a handy macOS tool which shows the user which keys output which characters, depending on the active (software) keyboard layout.

2.1.6) Go to the 'Input sources' tab. Checkmark 'Show Input menu in menu bar', in the bottom center of the window.

2.1.7) At bottom left, click on the '+' button.

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2.1.8) In the dropdown list that appears, on the left, click on 'Greek' and in the right-hand list, select 'Brill Epichoric Greek', and click on the 'Add' button (bottom right).

2.1.9) Quit System Preferences. In your menu bar, near the right, you should now see the keyboard menu icon belonging to your default keyboard. Use that menu to switch between keyboards.
2.2) Using the Installer on the Disk image:
2.2.1) Mount the disk image (double-click the .dmg file).
2.2.2) In the mounted disk image, double-click 'Keyboard Installer'.
2.2.3) In the Keyboard Installer window, select 'Install for current user (recommended)' and drag the file 'Brill_Epichoric.bundle' to the location below 'Keyboard layout to install'.
2.2.4) The Installer finishes in seconds.

2.2.5) Restart your computer.
2.2.6) Open System Preferences.
2.2.7) Go to 'Keyboard' in the second row.
2.2.8) In the 'Keyboard' tab, checkmark 'Show keyboard and emoji viewers in menu bar'.
2.2.9) Go to the 'Input sources' tab.
2.2.10) At bottom left, click on the '+' button.
2.2.11) In the dropdown list that appears, on the left, click on 'Greek' and in the right-hand list, select 'Brill Epichoric Greek', and click on the 'Add' button (bottom right).
2.2.12) Quit System Preferences. In your menu bar, near the right, you should now see the keyboard menu icon belonging to your standard keyboard. Use that menu to switch between keyboards.

3. Using the Brill Epichoric Greek keyboard
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3.1) The unmodified keyboard gives access to the default glyphs of the archaic Greek alphabet found in the Brill Epichoric font. It will serve no purpose whatsoever for any other font.
Please refer to the PDF file 'Brill_Greek_Epichoric_macOS_ANSI_keyboard_diagram_v2.pdf' containing the keyboard layout diagrams for the Unmodified, Caps Lock, Shift, Option and Option-Shift keyboard states.
Since version 1.5 of the keyboard there is also a Caps Lock state which gives access to right-to-left glyphs for use in retrograde and boustrophedon texts.
The digit keys on the top row are coloured red, because they are special 'deadkeys'.
3.2) Variant glyphs are accessed from the unmodified keyboard by first keying one or two deadkeys followed by a letter key.
For instance, to insert the fifth variant of the letter Omega, key 5 and then key V.
To insert the thirty-first variant of Alpha, key 3, then key 1, then key A.
3.3) If you type a deadkey string which is not defined by the keyboard, such as 5 followed by 0, no character is inserted. You can continue typing immediately afterwards: after an undefined key sequence macOS returns the

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input to the default keyboard state of the currently active keyboard.

3.4) If you want to type a line of retrograde (right-to-left) text, in which asymmetric Greek characters, such as Epsilon, must 'point the other way', insert a Right-to-left override character at the very beginning of the paragraph. This character, designated on the keyboard diagram as 'RLO', is found on the < key, i.e., Shift-comma.

Second, to key the text proper using right-to-left glyphs, press Caps Lock. Keep to this state for the length of the retrograde line/paragraph.

All default characters are found at their usual places, and deadkey combinations work just as in the 'normal' left-to-right situation.

At the end of the retrograde line/paragraph, type Return AND release Caps Lock. After this, you will resume left-to-right input. The Return character ends all directional overrides, but you still need to release the Caps Lock to return to the default left-to-right character glyphs. In most text applications this cannot be automated.

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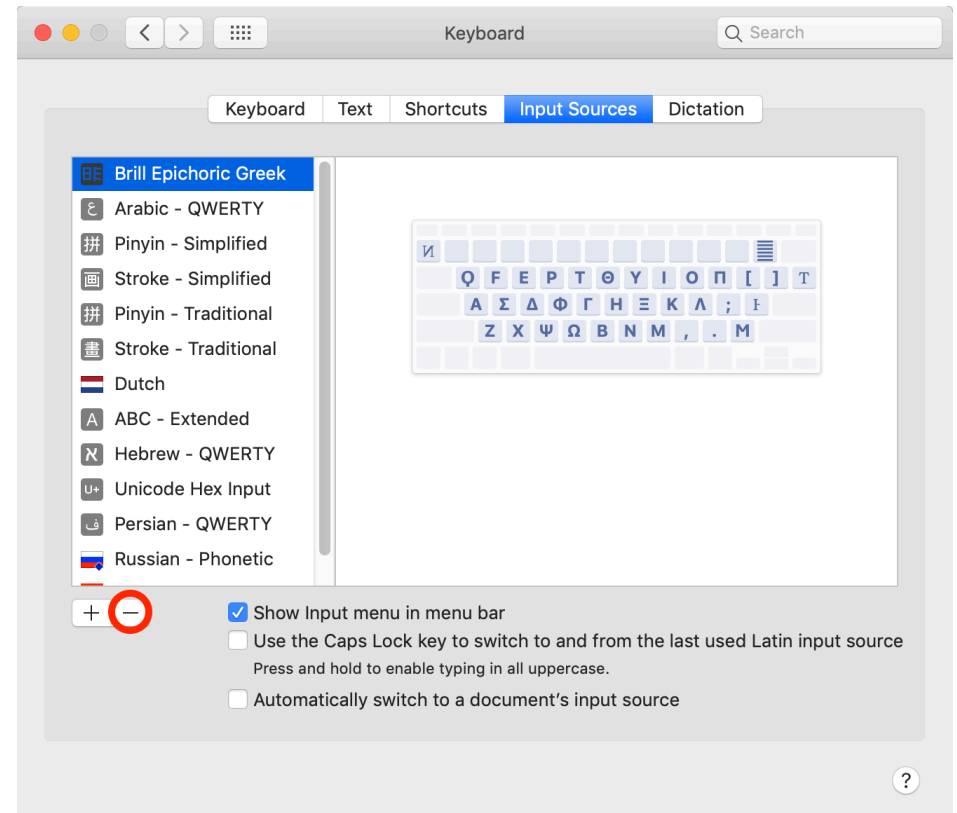4. DEACTIVATION AND DEINSTALLATION

4.1) KEYBOARD

Deactivation of the old version of the keyboard:
4.1.1) Open System Preferences.
4.1.2) Go to 'Keyboard' in the second row.
4.1.3) Go to the 'Input sources' tab.
4.1.4) In the left-hand list, select 'Brill Epichoric Greek' and at bottom left, click on the 'minus' button.

The keyboard is removed from the list. Note that this only *deactivates* the keyboard, but leaves the old keyboard file in the ~/Library/Keyboard

Layouts/ folder.

Restart your computer.

Removal of the keyboard file:
4.5) In the Finder, choose 'Go'.
4.6) When you choose 'Go' while keeping the Alt (Option) key depressed, the folder list in the 'Go' menu reveals the Keyboard Layouts folder, which you need to select.
4.7 From the Keyboard Layouts folder, remove the old keyboard file 'Brill Epichoric Greek.bundle'.

That is all.

4.2) FONT

Removal of the font:
4.2.1) Open Apple's Font Book application.
4.2.2) In the Search field, type (without the quotes) 'Epichoric'. The middle column should show the search result:
Brill Epichoric
      Regular
4.2.3) In the middle column, click on 'Brill Epichoric'.
4.2.4) Choose File → "Remove Brill Epichoric Family".

(Note that the Brill Epichoric font family consists of just one font, so removing the font family removes the one font.)

That is all.

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