

THE MULTILINGUAL VIRTUAL KEYBOARD.

This keyboard allows to easily type text in various languages, which can be copied to an e-mail application, or to a word processor or a text editor for further working with it.

There are 33 ready layouts for the keyboard: 11 built-in layouts and 22 other layouts in the <layouts> directory, together with the information how to install them (and you can also create your own layout).

The built-in layouts are the following (the link next to the layout name leads to the source page):

0. English (extended): a version of the English-German-Turkish layout (the Turkish layout also means the Tatar and Azerbaijani layouts).

1. Russian (full): a version of the pre-reform typewriter layout.

2. French: <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD189.jsp>>.

3. Greek: <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD319.jsp>>.

4. English (US International *): <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD103P.jsp>>.

5. German *): <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD129.jsp>>.

6. Spanish *): <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD173.jsp>>.

7. Italian *): <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD142.jsp>>.

8. Portugese *): <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD163.jsp>>.

9. Serbian (Cyrillic script *): <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD450.jsp>>.

10. Arabic: <<http://www-306.ibm.com/software/globalization/topics/keyboards/KBD470.jsp>>.

The language menu can be accessed by clicking on the red rectangle in the left-bottom corner of the keyboard. To make the layouts marked with an asterisk available, uncomment them in the <files/vkboards.js> file in the "avail_langs" array. To load the chosen layout by default, change the number of the initial layout to the desired one in the <vkboards.html> file in the parameter list.

Dead keys appear as characters in red. Find a diacritic, press a key, and you will see all available characters with this mark.

To use for typing the Unifont monospace font (which has all the characters), download it from the "GNU Unifont Glyphs" web site <<http://unifoundry.com/unifont/index.html>> and, after installing on your computer, enter it into the <files/vkboards.css> file instead of the Fira Mono font, and set its size to 16px.

To work with the keyboard, install on your computer the FreeSerif <<http://ftp.gnu.org/gnu/freefont/freefont-ttf-20120503.zip>> and Times New Roman font families.

The keyboard is developed by Dmitry Khudorozhkov and described in his article "JavaScript Virtual Keyboard" <<https://www.codeproject.com/Articles/13748/JavaScript-Virtual-Keyboard>>, the increase in the number of keys of the main field to 49 and the modification of the English and Russian layouts are made by Akbar Muhammad <<http://akbarmuhammad.awardspace.co.uk/index.html>>.

Background patterns (placed in the <files/patterns> directory) are taken from the "Toptal" web site <<https://www.toptal.com>>, the favicon – from Mozilla's project "Boot to Gecko".

The presented version of the keyboard works in the Google Chrome web browser.

THE ENGLISH EXTENDED LAYOUT.

En_normal:

Keys 0–12: the small letter "sharp s", the exclamation mark, the asterisk, English double quotes, the question mark, the hyphen-minus, the comma, the full stop, English single quotes, the em dash, the colon.

Keys 13–25: small letters, the semicolon (the key 20: the letter “i”).

Keys 26–37: small letters (the key 36: the letter “i”).

Keys 38–48: small letters.

En_caps:

Keys 0–12: the capital letter “sharp s”, the exclamation mark, the asterisk, English double quotes, the question mark, the hyphen-minus, the comma, the full stop, English single quotes, the em dash, the colon.

Keys 13–25: capital letters, the semicolon (the key 20: the letter “I”).

Keys 26–37: capital letters (the key 36: the letter “i”).

Keys 38–48: capital letters.

En_shift:

Keys 0–12: the capital letter “sharp s”, digits, the en dash, the percent sign.

Keys 13–25: capital letters, the slash (the key 20: the letter “I”).

Keys 26–37: capital letters (the key 36: the letter “i”).

Keys 38–48: capital letters.

En_alt:

Keys 0–12: the number sign, the caret, the German left double quote, French double angle quotes, the degree sign, the prime, the double prime, the German left single quote, round brackets, the underscore, the per mille sign.

Keys 13–25: the section sign, the circumflex, the caron, the breve, the ring above, the dieresis, French single angle quotes, the tilde, the macron, the grave accent, the acute accent, the cedilla.

Keys 26–37: the capital and small letters “a” with circumflex, “e” with circumflex, “i” with circumflex, “o” with circumflex and “u” with circumflex, the ampersand, the interrobang.

Keys 38–48: the copyright sign, the registered trademark sign, the trade mark sign, the currency sign, the dollar sign, the euro sign, the lira sign, the peso sign, the pound sign, the won sign, the yen sign.

En_alt_shift:

Keys 0–12: the triangular bullet, superscript digits “1”, “2” and “3”, the inverted exclamation mark, the at sign, the straight double quote, the straight single quote, the inverted question mark, the double dagger, the dagger, the figure dash, the low asterisk.

Keys 13–25: the bullet, the looped square, the asterism, fractions “1/4”, “1/2” and “3/4”, the capital and small letters “æ” and “œ”, the pilcrow, the broken bar, the vertical bar.

Keys 26–37: the plus sign, the minus sign, the multiplication sign, the obelus, the equals sign, square brackets, the horizontal line (line-drawing character), curly brackets, the white bullet, the backslash.

Keys 38–48: the plus-minus sign, the spacing tilde, the dot operator, the division sign, the almost equals sign, angle brackets, the not equals sign, the less-than sign, the greater-than sign, the middle dot.

THE RUSSIAN LAYOUT.

Ru_normal:

Keys 0–12: the small letter “izhitsa”, the exclamation mark, the asterisk, French double angle quotes, the question mark, the hyphen-minus, the comma, the full stop, round brackets, the em dash, the colon.

Keys 13–25: small letters, the semicolon.

Keys 26–37: small letters.

Keys 38–48: small letters.

Ru_caps:

Keys 0–12: the capital letter “izhitsa”, the exclamation mark, the asterisk, French double angle quotes, the question mark, the hyphen-minus, the comma, the full stop, round brackets, the em dash, the colon.

Keys 13–25: capital letters, the semicolon.

Keys 26–37: capital letters.

Keys 38–48: capital letters.

Ru_shift:

Keys 0–12: the capital letter “izhitsa”, digits, the en dash, the percent sign.

Keys 13–25: capital letters, the slash.

Keys 26–37: capital letters.

Keys 38–48: capital letters.

Ru_alt:

Keys 0–12: the numero sign, the caret, German double quotes, the English right double quote, the degree sign, the prime, the double prime, German single quotes, the English right single quote, the underscore, the per mille sign.

Keys 13–25: the section sign, the circumflex, the caron, the breve, the ring above, the dieresis, French single angle quotes, the tilde, the macron, the grave accent, the acute accent, the cedilla.

Keys 26–37: the capital and small letters “little yus”, “monograph uk”, “zelo”, “ksi”, “psi”, “yo”.

Keys 38–48: the copyright sign, the registered trademark sign, the trade mark sign, the currency sign, the dollar sign, the euro sign, the lira sign, the peso sign, the pound sign, the won sign, the yen sign.

Ru_alt_shift:

Keys 0–12: the triangular bullet, superscript digits, the figure dash, the low asterisk.

Keys 13–25: the bullet, the capital letter “yi”, the small letter “yi”, fractions “1/4”, “1/2” and “3/4”, the capital and small letters “u” with dieresis, “o” with dieresis and “e” with dieresis, the vertical bar.

Keys 26–37: the plus sign, the minus sign, the multiplication sign, the obelus, the equals sign, square brackets, the horizontal line (line-drawing character), curly brackets, the white bullet, the backslash.

Keys 38–48: the plus-minus sign, the spacing tilde, the dot operator, the division sign, the almost equals sign, angle brackets, the not equals sign, the less-than sign, the greater-than sign, the middle dot.