

## Modul:Key

Vorlage:Uses TemplateStyles Implements Vorlage:TI

```
-- This module implements {{key press}}.

local kbdPrefix = '<kbd class="keyboard-key nowrap">'
local kbdSuffix = '</kbd>'

local keyText = {
    ['caps lock'] = '⇧ Caps Lock',
    ['[[caps lock]]'] = '⇧ [[Caps Lock]]',
    ['shift'] = '⇧ Shift',
    ['[[shift key|shift]]'] = '⇧ [[Shift key|Shift]]',
    ['enter'] = '↵ Enter',
    ['[[enter key|enter]]'] = '↵ [[Enter key|Enter]]',
    ['cmd'] = '⌘ Cmd',
    ['[[command key|cmd]]'] = '⌘ [[Command key|Cmd]]',
    ['command'] = '⌘ Command',
    ['[[command key|command]]'] = '⌘ [[Command key|Command]]',
    ['opt'] = '⌥ Opt',
    ['[[option key|opt]]'] = '⌥ [[Option key|Opt]]',
    ['option'] = '⌥ Option',
    ['[[option key|option]]'] = '⌥ [[Option key|Option]]',
    ['tab'] = '⇧ Tab ⇧',
    ['[[tab key|tab]]'] = '⇧ [[Tab key|Tab]] ⇧',
    ['backspace'] = '← Backspace',
    ['[[backspace]]'] = '← [[Backspace]]',
    ['win'] = '⊞ Win',
    ['[[windows key|win]]'] = '⊞ [[Windows key|Win]]',
    ['menu'] = '☰ Menu',
    ['[[menu key|menu]]'] = '☰ [[Menu key|Menu]]',
    ['up'] = '↑',
    ['[[arrow keys|up]]'] = '[[Arrow keys|↑]]',
    ['down'] = '↓',
    ['[[arrow keys|down]]'] = '[[Arrow keys|↓]]',
    ['left'] = '←',
    ['[[arrow keys|left]]'] = '[[Arrow keys|←]]',
    ['right'] = '→',
    ['[[arrow keys|right]]'] = '[[Arrow keys|→]]',
    ['asterisk'] = '&#42;',
    ['hash'] = '&#35;',
    ['[#]]'] = '[[Number sign|#]]',
    ['colon'] = '&#58;',
    ['[:]]'] = '[[Colon (punctuation)|:]]',
    ['pipe'] = '&#124;',
    ['[[|]]'] = '[[Pipe symbol|&#124;]]',
    ['semicolon'] = '&#59;',
    ['[;]]'] = '[[Semi-colon|&#59;]]',
    ['equals'] = '&#61;',

    -- Left & right analog sticks.
    ['l up'] = 'L↑',
    ['l down'] = 'L↓',
    ['l left'] = 'L←',
    ['l right'] = 'L→',
    ['l ne'] = 'L↗',
    ['l se'] = 'L↘',
```

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['l nw'] = 'L↖',
['l sw'] = 'L↙',

['r up'] = 'R↑',
['r down'] = 'R↓',
['r left'] = 'R←',
['r right'] = 'R→',
['r ne'] = 'R↗',
['r se'] = 'R↘',
['r nw'] = 'R↖',
['r sw'] = 'R↙',

-- PlayStation.
['ex'] = 'x',
['circle'] = '○',
['square'] = '□',
['triangle'] = '△',

-- Nintendo 64 and GameCube.
['c up'] = 'C↑',
['c down'] = 'C↓',
['c left'] = 'C←',
['c right'] = 'C→',
['c ne'] = 'C↗',
['c se'] = 'C↘',
['c nw'] = 'C↖',
['c sw'] = 'C↙',
}

local keyAlias = {
  -- ['alternate name for key (alias)'] = 'name for key used in key table'
  ['[[cmd key|cmd]]'] = '[[command key|cmd]]',
  ['[[cmd key|command]]'] = '[[command key|command]]',
  ['[[opt key|opt]]'] = '[[option key|opt]]',
  ['[[option key]]'] = '[[option key|option]]',
  ['[[opt key|option]]'] = '[[option key|option]]',
  ['[[win key|win]]'] = '[[windows key|win]]',
  ['*'] = 'asterisk',
  ['#'] = 'hash',
  [':'] = 'colon',
  [';'] = 'semicolon',
  ['l-up'] = 'l up',
  ['l-down'] = 'l down',
  ['l-left'] = 'l left',
  ['l-right'] = 'l right',
  ['l-ne'] = 'l ne',
  ['l-se'] = 'l se',
  ['l-nw'] = 'l nw',
  ['l-sw'] = 'l sw',
  ['r-up'] = 'r up',
  ['r-down'] = 'r down',
  ['r-left'] = 'r left',
  ['r-right'] = 'r right',
  ['r-ne'] = 'r ne',
  ['r-se'] = 'r se',
  ['r-nw'] = 'r nw',
  ['r-sw'] = 'r sw',
  ['ps x'] = 'ex',
  ['ps c'] = 'circle',
  ['ps s'] = 'square',
  ['ps t'] = 'triangle',
  ['c-up'] = 'c up',
  ['c-down'] = 'c down',
  ['c-left'] = 'c left',
```

```
        ['c-right'] = 'c right',
        ['c-ne'] = 'c ne',
        ['c-se'] = 'c se',
        ['c-nw'] = 'c nw',
        ['c-sw'] = 'c sw',
    }

    local Collection = {}
    Collection.__index = Collection
    do
        function Collection:add(item)
            if item ~= nil then
                self.n = self.n + 1
                self[self.n] = item
            end
        end
        function Collection:join(sep)
            return table.concat(self, sep)
        end
        function Collection:sort(comp)
            table.sort(self, comp)
        end
        function Collection.new()
            return setmetatable({n = 0}, Collection)
        end
    end

end

local function keyPress(args)
    local chainNames = {
        'chain first',
        'chain second',
        'chain third',
        'chain fourth',
        'chain fifth',
        'chain sixth',
        'chain seventh',
        'chain eighth',
        'chain ninth',
    }
    local result = Collection.new()
    local chainDefault = args.chain or '+'
    for i, id in ipairs(args) do
        if i > 1 then
            result:add(args[chainNames[i - 1]] or chainDefault)
        end
        local lc = id:lower()
        local text = keyText[lc] or keyText[keyAlias[lc]] or id
        result:add(kbdPrefix .. text .. kbdSuffix)
    end
    return mw.getCurrentFrame():extensionTag{
        name = 'templatestyles', args = { src = 'Template:Key press/style'
    } .. result:join()
end

local function keypress(frame)
    -- Called by "{{key press|...}}".
    -- Using the template doubles the post-expand include size.
    return keyPress(frame:getParent().args)
end

local function press(frame)
    -- Called by "{{#invoke:key|press|...}}".
    return keyPress(frame.args)
end
```



```
return {  
    keypress = keypress,  
    press = press,  
}
```