NAME

keytables – keyboard table descriptions for loadkeys and dumpkeys

AVAILABILITY

SPARC

DESCRIPTION

These files are used by **loadkeys**(1) to modify the translation tables used by the keyboard streams module and generated by (see **loadkeys**(1)) from those translation tables.

Any line in the file beginning with **#** is a comment, and is ignored. **#** is treated specially only at the beginning of a line.

Other lines specify the values to load into the tables for a particular keystation. The format is either:

key *number list_of_entries*

or

swap *number1* **with** *number2*

or

key *number1* **same as** *number2*

or a blank line, which is ignored.

key *number list_of_entries*

sets the entries for keystation *number* from the list given. An entry in that list is of the form

tablename code

where *tablename* is the name of a particular translation table, or **all**. The translation tables are:

base	entry when no shifts are active
shift	entry when "Shift" key is down
caps	entry when "Caps Lock" is in effect
ctrl	entry when "Control" is down
altg	entry when "Alt Graph" is down
numl	entry when "Num Lock" is in effect
up	entry when a key goes up

All tables other than **up** refer to the action generated when a key goes down. Entries in the **up** table are used only for shift keys, since the shift in question goes away when the key goes up, except for keys such as "Caps Lock" or "Num Lock"; the keyboard streams module makes the key look as if it were a latching key.

A table name of **all** indicates that the entry for all tables should be set to the specified value, with the following exception: for entries with a value other than **hole**, the entry for the **numl** table should be set to **nonl**, and the entry for the **up** table should be set to **nop**.

The *code* specifies the effect of the key in question when the specified shift key is down. A *code* consists of either:

- A character, which indicates that the key should generate the given character. The character can either be a single character, a single character preceded by ^ which refers to a "control character" (for instance, **^c** is control-C), or a C-style character constant enclosed in single quote characters (**'**), which can be expressed with C-style escape sequences such as \r for RETURN or \000 for the null character. Note that the single character may be any character in an 8-bit character set, such as ISO 8859/1.
- A string, consisting of a list of characters enclosed in double quote characters (**"**). Note that the use of the double quote character means that a *code* of double quote must be enclosed in single quotes.
- One of the following expressions:

  shiftkeys+leftshift
  the key is to be the left-hand "Shift" key

  shiftkeys+rightshift
  the key is to be the right-hand "Shift" key

  shiftkeys+leftctrl
  the key is to be the left-hand "Control" key

  shiftkeys+rightctrl
  the key is to be the right-hand "Control" key

  shiftkeys+alt
  the key is to be the "Alt" shift key

  shiftkeys+altgraph
  the key is to be the "Alt Graph" shift key

  shiftkeys+capslock
  the key is to be the "Caps Lock" key

  shiftkeys+shiftlock
  the key is to be the "Shift Lock" key

  shiftkeys+numlock
  the key is to be the "Num Lock" key

  buckybits+systembit
  the key is to be the "Stop" key in SunView; this is normally the L1 key, or the SETUP key on the VT100 keyboard

  buckybits+metabit
  the key is to be the "meta" key. That is, the "Left" or "Right" key on a Sun-2 or Sun-3 keyboard or the "diamond" key on a Sun-4 keyboard

  compose
  the key is to be the "Compose" key

  ctrlq on the "VT100" keyboard, the key is to transmit the control-Q character (this would be the entry for the "Q" key in the **ctrl** table)

ctrls on the "VT100" keyboard, the key is to transmit the control-S character (this would be the entry for the "S" key in the **ctrl** table)

noscroll
on the "VT100" keyboard, the key is to be the "No Scroll" key

string+uparrow
the key is to be the "up arrow" key

string+downarrow
the key is to be the "down arrow" key

string+leftarrow
the key is to be the "left arrow" key

string+rightarrow
the key is to be the "right arrow" key

string+homearrow
the key is to be the "home" key

fa_acute
the key is to be the acute accent "floating accent" key

fa_cedilla
the key is to be the cedilla "floating accent" key

fa_cflex
the key is to be the circumflex "floating accent" key

fa_grave
the key is to be the grave accent "floating accent" key

fa_tilde
the key is to be the tilde "floating accent" key

fa_umlaut
the key is to be the umlaut "floating accent" key

nonl this is used only in the Num Lock table; the key is not to be affected by the state of Num Lock

pad0 the key is to be the "0" key on the numeric keypad

pad1 the key is to be the "1" key on the numeric keypad

pad2 the key is to be the "2" key on the numeric keypad

pad3 the key is to be the "3" key on the numeric keypad

pad4 the key is to be the "4" key on the numeric keypad

pad5 the key is to be the "5" key on the numeric keypad

pad6 the key is to be the "6" key on the numeric keypad

pad7 the key is to be the "7" key on the numeric keypad

pad8 the key is to be the "8" key on the numeric keypad

pad9 the key is to be the "9" key on the numeric keypad

paddot the key is to be the "." key on the numeric keypad

padenter
the key is to be the "Enter" key on the numeric keypad

padplus
the key is to be the "+" key on the numeric keypad

padminus
the key is to be the "-" key on the numeric keypad

padstar
the key is to be the "*" key on the numeric keypad

padslash
the key is to be the "/" key on the numeric keypad

padequal
the key is to be the "=" key on the numeric keypad

padsep the key is to be the "," (separator) key on the numeric keypad

lf(*n*) the key is to be the left-hand function key *n*

rf(*n*) the key is to be the right-hand function key *n*

tf(*n*) the key is to be the top function key *n*

bf(*n*) the key is to be the "bottom" function key *n*

nop the key is to do nothing

error this code indicates an internal error; to be used only for keystation 126, and must be used there

idle this code indicates that the keyboard is idle (that is, has no keys down); to be used only for all entries other than the **numl** and **up** table entries for keystation 127, and must be used there

oops this key exists, but its action is not defined; it has the same effect as **nop**

reset this code indicates that the keyboard has just been reset; to be used only for the **up** table entry for keystation 127, and must be used there.

swap *number1* **with** *number2*
exchanges the entries for keystations *number1* and *number2*.

key *number1* **same as** *number2*
sets the entries for keystation *number1* to be the same as those for keystation *number2*. If the file does not specify entries for keystation *number2*, the entries currently in the translation table are used; if the file does specify entries for keystation *number2*, those entries are used.

EXAMPLES

The following entry sets keystation 15 to be a “hole” (that is, an entry indicating that there is no keystation 15); sets keystation 30 to do nothing when Alt Graph is down, generate "!" when Shift is down, and generate "1" under all other circumstances; and sets keystation 76 to be the left-hand Control key.

```
key 15    all hole
key 30    base 1 shift ! caps 1 ctrl 1 altg nop
key 76    all shiftkeys+leftctrl up shiftkeys+leftctrl
```

The following entry exchanges the Delete and Back Space keys on the Type 4 keyboard:

```
swap 43 with 66
```

Keystation 43 is normally the Back Space key, and keystation 66 is normally the Delete key.

The following entry disables the Caps Lock key on the Type 3 and U.S. Type 4 keyboards:

```
key 119 all nop
```

The following specifies the standard translation tables for the U.S. Type 4 keyboard:

```
key 0     all hole
key 1     all buckybits+systembit up buckybits+systembit
key 2     all hole
key 3     all lf(2)
key 4     all hole
key 5     all tf(1)
key 6     all tf(2)
key 7     all tf(10)
key 8     all tf(3)
key 9     all tf(11)
key 10    all tf(4)
key 11    all tf(12)
key 12    all tf(5)
key 13    all shiftkeys+altgraph up shiftkeys+altgraph
key 14    all tf(6)
key 15    all hole
key 16    all tf(7)
key 17    all tf(8)
key 18    all tf(9)
key 19    all shiftkeys+alt up shiftkeys+alt
key 20    all hole
key 21    all rf(1)
key 22    all rf(2)
key 23    all rf(3)
key 24    all hole
key 25    all lf(3)
key 26    all lf(4)
key 27    all hole
key 28    all hole
key 29    all ^[
key 30    base 1 shift ! caps 1 ctrl 1 altg nop
key 31    base 2 shift @ caps 2 ctrl ^@ altg nop
key 32    base 3 shift # caps 3 ctrl 3 altg nop
```

```
key 33  base 4 shift $ caps 4 ctrl 4 altg nop
key 34  base 5 shift % caps 5 ctrl 5 altg nop
key 35  base 6 shift ^ caps 6 ctrl ^^ altg nop
key 36  base 7 shift & caps 7 ctrl 7 altg nop
key 37  base 8 shift * caps 8 ctrl 8 altg nop
key 38  base 9 shift ( caps 9 ctrl 9 altg nop
key 39  base 0 shift ) caps 0 ctrl 0 altg nop
key 40  base - shift _ caps - ctrl ^_ altg nop
key 41  base = shift + caps = ctrl = altg nop
key 42  base ` shift ~ caps ` ctrl ^^ altg nop
key 43  all '\b'
key 44  all hole
key 45  all rf(4) numl padequal
key 46  all rf(5) numl padslash
key 47  all rf(6) numl padstar
key 48  all bf(13)
key 49  all lf(5)
key 50  all bf(10) numl padequal
key 51  all lf(6)
key 52  all hole
key 53  all '\t'
key 54  base q shift Q caps Q ctrl ^Q altg nop
key 55  base w shift W caps W ctrl ^W altg nop
key 56  base e shift E caps E ctrl ^E altg nop
key 57  base r shift R caps R ctrl ^R altg nop
key 58  base t shift T caps T ctrl ^T altg nop
key 59  base y shift Y caps Y ctrl ^Y altg nop
key 60  base u shift U caps U ctrl ^U altg nop
key 61  base i shift I caps I ctrl '\t' altg nop
key 62  base o shift O caps O ctrl ^O altg nop
key 63  base p shift P caps P ctrl ^P altg nop
key 64  base [ shift { caps [ ctrl ^[ altg nop
key 65  base ] shift } caps ] ctrl ^] altg nop
key 66  all '\177'
key 67  all compose
key 68  all rf(7) numl pad7
key 69  all rf(8) numl pad8
key 70  all rf(9) numl pad9
key 71  all bf(15) numl padminus
key 72  all lf(7)
key 73  all lf(8)
key 74  all hole
key 75  all hole
key 76  all shiftkeys+leftctrl up shiftkeys+leftctrl
key 77  base a shift A caps A ctrl ^A altg nop
```

```
key 78   base s shift S caps S ctrl ˆS altg nop
key 79   base d shift D caps D ctrl ˆD altg nop
key 80   base f shift F caps F ctrl ˆF altg nop
key 81   base g shift G caps G ctrl ˆG altg nop
key 82   base h shift H caps H ctrl ’\b’ altg nop
key 83   base j shift J caps J ctrl ’\n’ altg nop
key 84   base k shift K caps K ctrl ’\v’ altg nop
key 85   base l shift L caps L ctrl ˆL altg nop
key 86   base ; shift : caps ; ctrl ; altg nop
key 87   base ’\’’ shift ’"’ caps ’\’’ ctrl ’\’’ altg nop
key 88   base ’\\’ shift | caps ’\\’ ctrl ˆ\ altg nop
key 89   all ’\r’
key 90   all bf(11) numl padenter
key 91   all rf(10) numl pad4
key 92   all rf(11) numl pad5
key 93   all rf(12) numl pad6
key 94   all bf(8) numl pad0
key 95   all lf(9)
key 96   all hole
key 97   all lf(10)
key 98   all shiftkeys+numlock
key 99   all shiftkeys+leftshift up shiftkeys+leftshift
key 100  base z shift Z caps Z ctrl ˆZ altg nop
key 101  base x shift X caps X ctrl ˆX altg nop
key 102  base c shift C caps C ctrl ˆC altg nop
key 103  base v shift V caps V ctrl ˆV altg nop
key 104  base b shift B caps B ctrl ˆB altg nop
key 105  base n shift N caps N ctrl ˆN altg nop
key 106  base m shift M caps M ctrl ’\r’ altg nop
key 107  base , shift < caps , ctrl , altg nop
key 108  base . shift > caps . ctrl . altg nop
key 109  base / shift ? caps / ctrl ˆ_ altg nop
key 110  all shiftkeys+rightshift up shiftkeys+rightshift
key 111  all ’\n’
key 112  all rf(13) numl pad1
key 113  all rf(14) numl pad2
key 114  all rf(15) numl pad3
key 115  all hole
key 116  all hole
key 117  all hole
key 118  all lf(16)
key 119  all shiftkeys+capslock
key 120  all buckybits+metabit up buckybits+metabit
key 121  base ’ ’ shift ’ ’ caps ’ ’ ctrl ˆ@ altg ’ ’
```

```
key 122  all buckybits+metabit up buckybits+metabit
key 123  all hole
key 124  all hole
key 125  all bf(14) numl padplus
key 126  all error numl error up hole
key 127  all idle numl idle up reset
```

SEE ALSO

loadkeys(1)