

**NAME**

**ckbcomp** – compile a XKB keyboard description to a keymap suitable for **loadkeys** or **kbdcontrol**

**SYNOPSIS**

**ckbcomp** [*OPTION*...] [*XKBLAYOUT* [*XKBVARIANT* [*XKBOPTIONS*]...]]

**DESCRIPTION**

The **ckbcomp** keymap compiler converts a description of an XKB keyboard layout into a console keymap that can be read directly by **loadkeys**(1) or **kbdcontrol**(1).

On its standard output **ckbcomp** dumps the generated keyboard definition. The most important difference between the arguments of **setxkbmap**(1) and the arguments of **ckbcomp** is the additional parameter *-charmap* when non-Unicode keyboard map is wanted. Without *-charmap* **ckbcomp** will generate Unicode keyboard.

**OPTIONS****General options**

**-?,-help**

Print a usage message and exit.

**-charmap** *charmap*

The encoding to use for the output keymap. There should be a character mapping table defining this encoding in */usr/share/consoletrans*. Definitions of the following charmaps are provided: **ARMSII-8**, **CP1251**, **CP1255**, **CP1256**, **GEORGIAN-ACADEMY**, **GEORGIAN-PS**, **IBM1133**, **ISIRI-3342**, **ISO-8859-1**, **ISO-8859-2**, **ISO-8859-3**, **ISO-8859-4**, **ISO-8859-5**, **ISO-8859-6**, **ISO-8859-7**, **ISO-8859-8**, **ISO-8859-9**, **ISO-8859-10**, **ISO-8859-11**, **ISO-8859-13**, **ISO-8859-14**, **ISO-8859-15**, **ISO-8859-16**, **KOI8-R**, **KOI8-U**, **TIS-620** and **VISCII**.

**-Idir** Look in the top-level directory *dir* for files included by the keymap description. This option may be used multiple times. If a file can not be found in any of the specified directories, it will be searched also in some other standard locations, such as */etc/console-setup/ckb*, */usr/share/X11/xkb* and */etc/X11/xkb*

**-v level** Set level of detail for listing. The argument *level* must be a number from 1 to 10.

**-compact**

Generate a compact keymap with at most two xkb groups and two levels in each or only one xkb-group and up to four levels.

**-freebsd**

Generate a keymap for FreeBSD.

**-backspace** [*bs*|*del*]

Specifies the behaviour of the <BackSpace> and <Delete> keys. Value **bs** specifies VT100-conformant behaviour: <BackSpace> will generate **^H** (ASCII BS) and <Delete> will generate **^?** (ASCII DEL). Value **del** specifies VT220-conformant behavior: <BackSpace> will generate **^?** (ASCII DEL) and <Delete> will generate a special function sequence.

**XKB Keyboard Description**

The keyboard layout, variant and options components can be also specified directly on the command line. See the synopsis of the command.

**-symbols** *name*

Specifies the symbols component name of the XKB keyboard description.

- keycodes** *name*  
Specifies the keycodes component name of the XKB keyboard description.
- rules** *name*  
The name of the rules file to use.
- model** *name*  
Specifies the keyboard model used to choose the component names.
- layout** *name*  
Specifies the layout used to choose the component names.
- variant** *name*  
Specifies the layout variant used to choose the component names.
- option** *name*  
Adds an option used to choose component names.

## FILES

*/usr/share/consoletrans*  
*/etc/console-setup/ckb*  
*/usr/share/X11/xkb*  
*/etc/X11/xkb*

## NOTES

If the option *-freebsd* is used together with *-backspace del*, then the key <Delete> will generate the special code **fkey70**. It is your responsibility to assign the appropriate sequence to this special code by using the following command:

```
kbdcontrol -f 70 "printf '\033[3~'"
```

## SEE ALSO

**keyboard(5)**, **setxkbmap(1)**