

NAME

kbd – Keyboard input driver

SYNOPSIS

Section "InputDevice"

Identifier "*devname*"

Driver "kbd"

...

EndSection

DESCRIPTION

kbd is an Xorg input driver for keyboards. The driver supports the standard OS-provided keyboard interface, but these are currently only available to this driver module for Linux, BSD, and Solaris. This driver is the replacement for the built-in **keyboard** driver formerly included in Xorg.

The **kbd** driver functions as a keyboard input device.

CONFIGURATION DETAILS

Depending on the X server version in use, input device options may be set in either a `xorg.conf` file, an `xorg.conf.d` snippet, or in the configuration files read by the Hardware Abstraction Layer (HAL) daemon, `hald(1)`.

Please refer to `xorg.conf(5)` for general configuration details and for options that can be used with all input drivers. This section only covers configuration details specific to this driver.

The following driver **Options** are supported:

Option "Device" "*string*"

Specify the keyboard device. Default: the OS's default console keyboard input source. Property: "Device Node" (read-only).

Option "Protocol" "*string*"

Specify the keyboard protocol. Valid protocol types include:

Standard, Xqueue.

Not all protocols are supported on all platforms. Default: "Standard".

Option "XLeds" "*ledlist*"

makes the keyboard LEDs specified in *ledlist* available for client use instead of their traditional function (Scroll Lock, Caps Lock and Num Lock). The numbers in the list are in the range 1 to 3. Default: empty list.

Option "XkbRules" "*rules*"

specifies which XKB rules file to use for interpreting the **XkbModel**, **XkbLayout**, **XkbVariant**, and **XkbOptions** settings. Default: "base" for most platforms. If you use the "base" value then you can find listing of all valid values for these four options in the `/usr/share/X11/xkb/rules/base.lst` file.

Option "XkbModel" "*modelname*"

specifies the XKB keyboard model name. Default: "pc105" for most platforms.

Option "XkbLayout" "*layoutname*"

specifies the XKB keyboard layout name. This is usually the country or language type of the keyboard. Default: "us" for most platforms.

Option "XkbVariant" "*variants*"

specifies the XKB keyboard variant components. These can be used to enhance the keyboard layout details. Default: not set.

Option "XkbOptions" "*options*"

specifies the XKB keyboard option components. These can be used to enhance the keyboard behaviour. Default: not set.

For a list of available XKB options, see **xkeyboard-config(7)**.

EXAMPLE

The following `xorg.conf` fragment ensures that user will be able to switch between *us* and *sk* layouts by pressing the "menu" key. The scroll lock LED shows which layout is currently active.

The **XkbVariant** option defines which variants of the two layouts should be used. In case of the *us* layout its default variant is used. In case of the *sk* layout its *qwerty* variant is used.

```
Section "InputDevice"
    Identifier "Generic Keyboard"
    Driver      "kbd"
    Option      "CoreKeyboard"
    Option      "XkbRules"      "base"
    Option      "XkbModel"      "pc105"
    Option      "XkbLayout"     "us,sk"
    Option      "XkbVariant"    ",qwerty"
    Option      "XkbOptions"    "grp:menu_toggle,grp_led:scroll"
EndSection
```

SEE ALSO

Xorg(1), `xorg.conf`(5), Xserver(1), X(7).

hal(7), hald(8), fdi(5).

xkeyboard-config(7).