The XKB Configuration Guide

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Abstract

! !

" # ! $!
% & '((% (% () (* + ,

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Overview

) !
%
3 ! ! ! ! % !!
% !

) % ! !
%
$
4 ! 5$
!

Selecting XKB Configuration

! %
rules / ! !
!! ! ! % /!!
! ! ! !
!! , % ! !!

'

XkbRules ! ! %

XkbModel ! %

XkbLayout ! 4 5

XkbVariant 4 5 !

XkbOptions %

! ! ! ! !
% & '((% (% ()
(* + , - 6 $ evdev !
! $ base !) ! ! !
! $! ! !$
! ! ! !$! ! !
!!

7 ! ! ! <*vendor-rules*>.lst$
base.lst ! % rules 4
! /usr/share/X11/xkb/rules5

Basic Configuration

6 8* ! / % "9: %
base.lst ! ! !
! ! /etc/X11/xorg.conf.d$ /etc/X11/
xorg.conf.d/90-custom-kbd.conf

```
Section "InputClass"
    Identifier "keyboard defaults"
    MatchIsKeyboard "on"

    Option "XkbModel" "pc104"
    Option "XkbLayout" "us"
    Option "XKbOptions" ""
EndSection
```

```
   !         XkbModel     XkbLayout    !!                      XkbOptions
      ! !                                              XkbVariant
  !            !                                basic  !

-   $      !              !                                          !!
    !       %         ! ! % ! % '
```

```
setxkbmap -model pc104 -layout us -option ""
```

```
             !!     !      !
!   4     !;     5

          !                   <    <            =     % !!
    ! $    !                                    /etc/X11/xorg.conf.d/90-
zap.conf     '
```

```
Section "InputClass"
    Identifier "keyboard defaults"
    MatchIsKeyboard "on"

    Option "XKbOptions" "terminate:ctrl_alt_bksp"
EndSection
```

```
    !   =  !          !!    '
```

```
setxkbmap -option "terminate:ctrl_alt_bksp"
```

Advanced Configuration

```
>      ! !    %        ?        @    !!   !!
  !            %     !          0     !     !
                4 ! %    !  %         5
                          %

6                   6      !    %   %    $
             !             $ ;       4
   5$                             <

                ! ! % ! %    '
```

```
Section "InputClass"
    Identifier "Logitech Cordless"
    MatchIsKeyboard   "on"

    Option "XkbModel" "logicordless"
    Option "XkbLayout" "us,cz,de"
    Option "XKbOptions" "grp:alt_shift_toggle"
EndSection
```

```
-   $      !             !                                        !!
   !       %        ! ! % ! % '
```

```
setxkbmap -model logicordless -layout "us,cz,de" \
         -option "grp:alt_shift_toggle"
```

Even More Advanced Configuration

```
-% $ !                >   ! %      !
          6             ;  %
                              '
```

```
Section "InputClass"
    Identifier "Logitech Cordless"
    MatchIsKeyboard   "on"

    Option "XkbModel" "logicordless"
    Option "XkbLayout" "us,cz,de"
    Option "XkbVariant" ",bksl,"
    Option "XKbOptions" "grp:alt_shift_toggle"
EndSection
```

```
       %           !
  !   $                          !    4
basic5$                  bksl 4    !
   % !  % 5

/ !  !$  !       !!    '
```

```
setxkbmap -model logicordless -layout "us,cz,de" \
         -variant ",bksl," -option "grp:alt_shift_toggle"
```

Basic Global Options

```
7  !    ! !    $                $
            A!  optionB      rules/*.lst  !
```

Keymap XKB Configuration

! % !
! % ! %
! ! ! ! ! !
!! ! ! !
! !