

Graphics (X11)

X Server

Links

- ArchWiki: [libinput](#)
- Stack Exchange: [Difference between .xinitrc, .xsession and .xsessionrc](#)

Commands

- X server resource database utility: `xrdb`
- list all input devices: `xinput list`
- list properties of an input device: `xinput -list-props 16`
- show X events (for example to see keycodes): `xev`

Files

- `/usr/share/X11/xorg.conf.d`: server configuration
- `~/.xinitrc`: environment from `xinit` (`startx`)
- `~/.xprofile`: environment of display manager, for example *XFCE*
- `~/.xsessionrc`: executed on MX/Debian/Ubuntu GUI login



Creating a symlink might be a good idea:

```
ln -s .xinitrc .xsessionrc
```

Mouse

- reddit: [Mouse speed in XFCE \(libinput\)](#)
- StackExchange: [How to change mouse speed/sensitivity?](#)
- Patrick Mylund Nielsen: [Lowering Mouse Sensitivity in Ubuntu and Fedora](#)
- Nitesh Kumar: [How to Change Mouse and Touchpad Settings Using Xinput in Linux](#)

Mad Catz /R.A.T./ 7 mouse

X server configuration in `/usr/share/X11/xorg.conf.d/20-rat7.conf`

```
# Edited by Ralf Hoppe <ralf@dfcgen.de>  
# originally from https://community.linuxmint.com/hardware/view/10217
```

```
Section "InputClass"
Identifier "R.A.T."
MatchProduct "R.A.T.7"
MatchDevicePath "/dev/input/event*"
#
#
https://delightfullylinux.wordpress.com/2012/03/07/using-the-cyborg-r-a-t-7-with-ubuntu/
# https://askubuntu.com/questions/331508/buttonmapping-positional-parameters
# ftp://ftp.x.org/pub/current/doc/mouse.txt
Option "Buttons" "17"
# 1 left button
# 2 middle button
# 3 right button
# 4,5 neg/pos wheel
# 6,7 is the left/right wheel (see "ZAxisMapping")
# 8,9 thumb rest buttons
# 12 precision aim button
# 17 DPI settings button
Option "ButtonMapping" "1 2 3 4 5 0 0 8 9 7 6 12 0 0 0 16 17"
# Option "ButtonMapping" "1 2 3 4 5 6 7 2 9 10 11 12 0 0 0"
Option "AutoReleaseButtons" "13 14 15"
# 4,5 is the typ. scroll wheel
# 6,7 is the left/right wheel
Option "ZAxisMapping" "4 5 6 7"
Option "AccelSpeed" "-0.6"
EndSection
```

Monitor (Screens)

- screen control and info: xrandr
- screen adjustment: xvidtune

Keyboard

- interactive key assignments (in ~/.Xmodmap): xkeycaps
- assign keycodes to keysyms: xmodmap -e "keycode 86 = KP_Add"

Fonts

- show matching fonts: xlsfonts '*helvetica'
- interactive font selection: xfontsel

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<https://wiki.rho62.de/> - **rho62 Wiki**

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