PiMIGA64

Prepartions

```
sudo apt-get install gir1.2-ibus-1.0 libdbus-1-dev libegl1-mesa-dev
libibus-1.0-5 libibus-1.0-dev libice-dev libsm-dev libsndio-dev libwayland-
bin libwayland-dev libxi-dev libxinerama-dev libxkbcommon-dev libxrandr-dev
libxss-dev libxt-dev libxv-dev x11proto-randr-dev x11proto-scrnsaver-dev
x11proto-video-dev x11proto-xinerama-dev git

sudo apt-get install libsdl2-dev libsdl2-ttf-dev libsdl2-image-dev libflac-
dev libmpg123-dev libpng-dev libmpeg2-4-dev
```

Build

```
cd code
./sdl2.sh
./sdl2_image.sh
./sdl2_ttf.sh
./get_amiberry.sh
./amiberry.sh
./capsimg.sh
```

References

- midwan / amiberry - https://github.com/midwan/amiberry
- Compile SDL2 for KMSDRM -
  https://github.com/midwan/amiberry/wiki/Compile-SDL2-for-KMSDRM
- Enabling IPF support - https://github.com/midwan/amiberry/wiki/Enabling-IPF-support

Links

- raspios_lite_arm64 - https://downloads.raspberrypi.org/raspios_lite_arm64/images/
- AmiBerry - git clone https://github.com/midwan/amiberry
- SDL version 2.0.16 (stable) - https://www.libsdl.org/download-2.0.php
- SDL_ttf 2.0 - https://www.libsdl.org/projects/SDL_ttf/
- SDL_image 2.0 - https://www.libsdl.org/projects/SDL_image/

Other

Minimal X Server

```
sudo apt install xserver-xorg xinit xserver-xorg-video-fbdev lxde lxde-
common
```

Troubleshooting

- SDL2 on Raspberry Pi without X? - https://stackoverflow.com/questions/57672568/sdl2-on-raspberry-pi-without-x
- Could not initialize SDL : No available video device Don't move - https://askubuntu.com/questions/443053/could-not-initialize-sdl-no-available-video-device-dont-move
- SDL2: Could not create window: No available video device - https://stackoverflow.com/questions/66906476/sdl2-could-not-create-window-no-available-video-device
- Good default for XDG_RUNTIME_DIR? - https://serverfault.com/questions/388840/good-default-for-xdg-runtime-dir
- What is XDG_RUNTIME_DIR? - https://askubuntu.com/questions/872792/what-is-xdg-runtime-dir

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