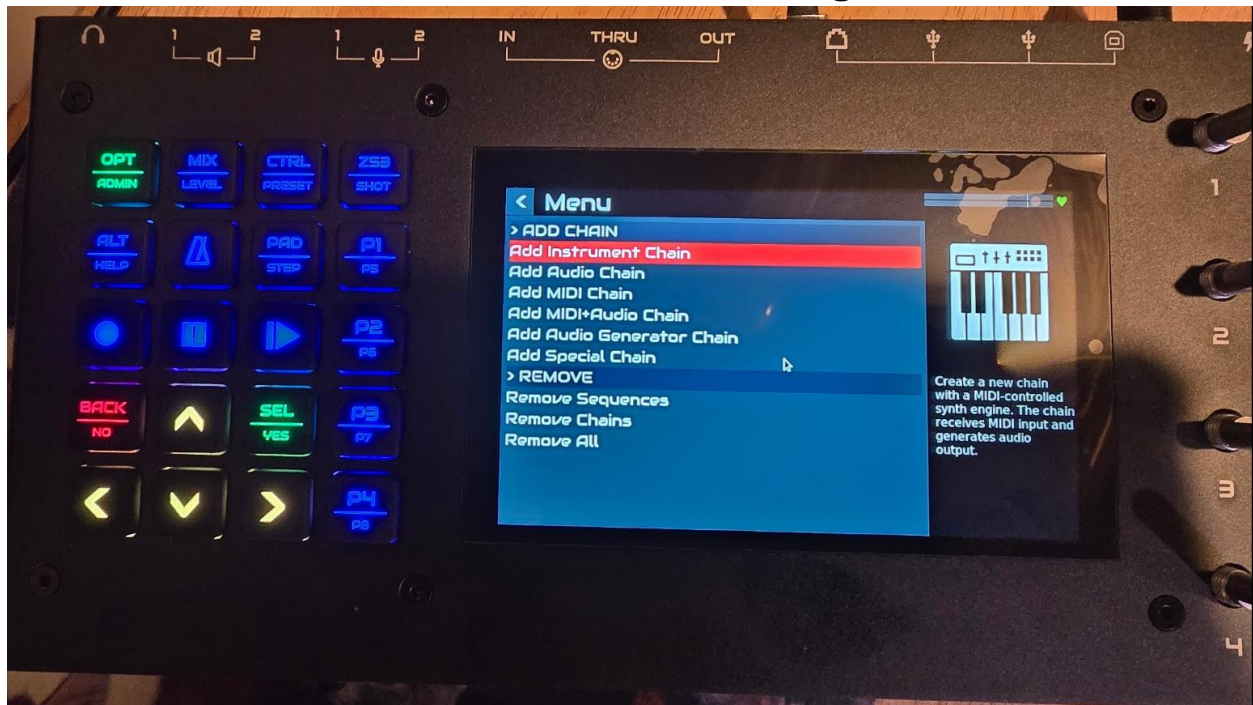


HARDWARE Raspberry Pi 5 Model B Rev 1.1 Audio: V5 ADAC Display: MIPI DSI 800x480 (inverted) Wiring: V5 I2C: Not detected Profile: v5	SYSTEM Debian GNU/Linux 12 (bookworm) Build Date: 2025-04-10 Memory: 4% (743M/16196M) Internal Storage: 13% (14G/117G) Temperature: 37.3°C Overclock: Maximum	MIDI & UI Tuning: 440 Hz Master Channel: Off Preload Presets: On ZS3 (SubSnapShots): On Power Save: 60 minutes Audio Levels on Snapshots: On
SOFTWARE zyncoder: oram-2504.1 (052d1d4) zynthian-ui: oram-2504.1 (507a2c7) zynthian-sys: oram-2504.1 (83b74f3) zynthian-data: oram-2504.1 (561bcdf) zynthian-webconf: oram-2504.1 (3a2ba9f)	LIBRARY Snapshots: 16 User Presets: 2 User Soundfonts: 0 Audio Captures: 0 MIDI Captures: 4	NETWORK Hostname: zynthian Wifi: ON IP: 192.168.0.132 VNC: On MIDI Services:

Screen fixed buttons lit but not working



Tr;ying set_first_boot.sh

(venv) root@zynthian:~# set_first_boot.sh

Stopping zynthian services...

Cleaning unused packages and cache...

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

0 upgraded, 0 newly installed, 0 to remove and 80 not upgraded.

Deleting WIFI connections...

Deleting first boot logs...

Deleting system logs...

Removing user data files...

Copying initial user data files...

Restoring factory config...

Updating System configuration...

SOUNDCARD_MIXER is OK

BOOT LOG ENABLED

OVERCLOCKING => None

RBPI AUDIO ENABLED

OTG ENABLED

SOUNDCARD CONFIG =>

DISPLAY CONFIG =>

CUSTOM CONFIG =>

Custom Config /zynthian/zynthian-sys/custom/display/...

Custom Config /zynthian/zynthian-sys/custom/soundcard/...

/zynthian/zyncoder ~

/zynthian/zyncoder/build /zynthian/zyncoder ~

-- The C compiler identification is GNU 12.2.0

-- The CXX compiler identification is GNU 12.2.0

-- Detecting C compiler ABI info

-- Detecting C compiler ABI info - done

-- Check for working C compiler: /usr/bin/cc - skipped

-- Detecting C compile features

-- Detecting C compile features - done

```
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Check for working CXX compiler: /usr/bin/c++ - skipped
-- Detecting CXX compile features
-- Detecting CXX compile features - done
++ Defined MCP23008_ENCODERS
++ TPA6130 kernel driver LOADED. Omitting user space driver.
++ Building for Wiring Layout
-- Configuring done
-- Generating done
-- Build files have been written to: /zynthian/zyncoder/build
[ 6%] Building C object CMakeFiles/zyncore.dir/zyncore.c.o
[ 13%] Building C object CMakeFiles/zyncore.dir/zyncontrol_vx.c.o
[ 20%] Building C object CMakeFiles/zyncore.dir/zynpot.c.o
[ 26%] Building CXX object CMakeFiles/zyncore.dir/zynrv112.c.o
[ 33%] Building C object CMakeFiles/zyncore.dir/zynads1115.c.o
[ 40%] Building C object CMakeFiles/zyncore.dir/zynmcp23017.c.o
[ 46%] Building C object CMakeFiles/zyncore.dir/zynmcp23008.c.o
[ 53%] Building C object CMakeFiles/zyncore.dir/zyncoder.c.o
[ 60%] Building C object CMakeFiles/zyncore.dir/zynmidirouter.c.o
[ 66%] Building C object CMakeFiles/zyncore.dir/zynmaster.c.o
[ 73%] Building C object CMakeFiles/zyncore.dir/wiringPiI2C.c.o
[ 80%] Building C object CMakeFiles/zyncore.dir/gpiod_callback.c.o
[ 86%] Linking CXX shared library libzyncore.so
[ 86%] Built target zyncore
[ 93%] Building C object CMakeFiles/zyncoder_test.dir/zyncoder_test.c.o
[100%] Linking C executable zyncoder_test
[100%] Built target zyncoder_test
/zynthian/zyncoder ~
```

~

Enabling first boot service...

Created symlink /etc/systemd/system/multi-user.target.wants/first_boot.service →
/etc/systemd/system/first_boot.service.

Cleaning shell history...

The system is going to halt. Extract the SD card and dump the image.

(venv) root@zynthian:~# Connection to zynthian.local closed by remote host.

Connection to zynthian.local closed.

After set first boot:





LIBRARY ▾
HARDWARE ▾
SOFTWARE ▾
INTERFACE ▾
SYSTEM ▾
HELP ▾


HARDWARE

Raspberry Pi 5 Model B Rev 1.1
Audio: Default
Display: Generic HDMI/DSI Display
Wiring: **TOUCH_ONLY**
I2C: ADS1115@0x4A
Profile: v5


SYSTEM

Debian GNU/Linux 12 (bookworm)
Build Date: 2025-04-10
Memory: 2% (387M/16196M)
Internal Storage: 13% (14G/117G)
Temperature: 33.4°C
Overclock: None


MIDI & UI

Tuning: 440 Hz
Master Channel: Off
Preload Presets: On
ZS3 (SubSnapShots): On
Power Save: 10 minutes
Audio Levels on Snapshots: On


SOFTWARE

zyncoder: oram-2504.1 (052d1d4)
zynthian-ui: oram-2504.1 (507a2c7)
zynthian-sys: oram-2504.1 (83b74f3)
zynthian-data: oram-2504.1 (561bcaf)
zynthian-webconf: oram-2504.1 (3a2ba9f)


LIBRARY

Snapshots: 15
User Presets: 2
User Soundfonts: 0
Audio Captures: 0
MIDI Captures: 4


NETWORK

Hostname: zynthian
Wifi: ON
IP: 192.168.0.135
VNC: Off
MIDI Services:

Report Issue

First boot log after set_first_boot.sh

```
##### -----
#           #   ZynthianOS ORAM-2504
#    ##      #   Timestamp: 2025-04-10
#   ## # # ##  #   Built from RaspberryPiOS Bookworm (aarch64)
#   # # # # # #  #   -----
### # # # # # # ###  Kit:      Custom
# # # # # # # # #  Display:   Generic HDMI/DSI Display
# ## # # # # ## #  Soundcard: Default
#   ## ##      #   Wiring Layout: TOUCH_ONLY
#           #   -----
#####
                                zynthian-ui: oram-2504.1 (507a2c)
                                zynthian-webconf: oram-2504.1 (3a2ba9)
                                zyncoder: oram-2504.1 (052d1d)
                                zynthian-sys: oram-2504.1 (83b74f)
                                zynthian-data: oram-2504.1 (561bca)
                                -----
```

Linux zynthian 6.6.47+rpt-rpi-2712 #1 SMP PREEMPT Debian 1:6.6.47-1+rpt1 (2024-09-02) aarch64

The programs included with the Debian GNU/Linux system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent

permitted by applicable law.

(venv) root@zynthian:~# cat /root/first_boot.log

Running autoconfig...

Detected I2C Chips: ['PCM1863@0x4A', 'PCM5242@0x4D', 'RV3028@0x52', 'TPA6130@0x60']

Checking Boards: ['V5_MAIN', 'V5_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21']

Checking Boards: ['Z2_MAIN', 'V5_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21']

Checking Boards: ['Z2_MAIN', 'Z2_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21', 'ADS1115@0x48', 'ADS1115@0x49']

Checking Boards: ['Z2_MAIN_BETA', 'Z2_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21', 'ADS1115@0x48', 'ADS1115@0x49']

Checking Boards: ['ZynADAC', 'ZynScreen']

ERROR: Undetected Hardware ['MCP23017@0x20']

Checking Boards: ['HifiBerryDAC+', 'ZynScreen']

ERROR: Undetected Hardware ['MCP23017@0x20']

Detected Custom kit!

Configuring Zynthian for Custom ...

Reboot...

Running autoconfig...

Detected I2C Chips: ['PCM1863@0x4A', 'PCM5242@0x4D', 'RV3028@0x52', 'TPA6130@0x60']

Checking Boards: ['V5_MAIN', 'V5_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21']

Checking Boards: ['Z2_MAIN', 'V5_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21']

Checking Boards: ['Z2_MAIN', 'Z2_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21', 'ADS1115@0x48', 'ADS1115@0x49']

Checking Boards: ['Z2_MAIN_BETA', 'Z2_CONTROL']

ERROR: Undetected Hardware ['MCP23017@0x20', 'MCP23017@0x21', 'ADS1115@0x48', 'ADS1115@0x49']

Checking Boards: ['ZynADAC', 'ZynScreen']

ERROR: Undetected Hardware ['MCP23017@0x20']

Checking Boards: ['HifiBerryDAC+', 'ZynScreen']

ERROR: Undetected Hardware ['MCP23017@0x20']

Detected Custom kit!

Zynthian already configured for Custom.

Fixing ALSA mixer settings...

Regenerating keys...

Removing current webconf cookie secret...

A new webconf cookie secret will be generated on next request.

Removing current system SSH keys...

Generating new system SSH keys...

Generating public/private rsa key pair.

Your identification has been saved in /etc/ssh/ssh_host_rsa_key

Your public key has been saved in /etc/ssh/ssh_host_rsa_key.pub

The key fingerprint is:

SHA256:9ow7Fj0wYPkj+TYgRNEf4PucP997xD0fZy8QWznCkhk root@zynthian

The key's randomart image is:

+---[RSA 3072]-----+

```
| .oo.o      |
| ..= . E    |
| . ..= . = . |
| . +.* + + + |
| ..+S= . = o. |
|   +=o o o*  |
|   .oo. . o*  |
|   oo. .. +   |
|   ...O. o+   |
```

+----[SHA256]-----+

Generating public/private dsa key pair.

Your identification has been saved in /etc/ssh/ssh_host_dsa_key

Your public key has been saved in /etc/ssh/ssh_host_dsa_key.pub

The key fingerprint is:

SHA256:06vat3k4SZ/hL0GRRgG3IbGQpE3n/qn2yJGZhvlbZHQ root@zynthian

The key's randomart image is:

+---[DSA 1024]-----+

```
| .+.+=+o    |
| +.+ ++o    |
| . o E...   |
| . + .      |
| S o.       |
| o o.*o.    |
| . o.B=o+   |
| + =*=*     |
| ..+=*=.o.  |
```

+----[SHA256]-----+

Generating public/private ecdsa key pair.

Your identification has been saved in /etc/ssh/ssh_host_ecdsa_key

Your public key has been saved in /etc/ssh/ssh_host_ecdsa_key.pub

The key fingerprint is:

SHA256:xinPcTpmhyAZK2rpl1rO+FLMWcPouGCx+92QnEdthMM root@zynthian

The key's randomart image is:

+---[ECDSA 256]---+

```
|          |
| ..      |
| + E .    |
| .. B .+. |
| O * +.So. |
```

```
|.=.B..+*.|= |
|+o+..=.O. |
|o+=o. +o o |
| +*= . . |
+----[SHA256]-----+
Restarting SSH server ...
Removing current SSL certificate...
Generating new SSL certificate for 100 years...
Generating splash images for display resolution 800 x 480...
Disabling first boot process ...
Resizing partition...
Rebooting to start zynthian-ui ...
(venv) root@zynthian:~#
```