CoreELEC Debug Information...

------------ /etc/os-release ------------

NAME="CoreELEC"

VERSION="19.1-Matrix\_rc1"

ID="coreelec"

VERSION\_ID="19.1"

PRETTY\_NAME="CoreELEC (official): 19.1-Matrix\_rc1"

HOME\_URL="https://coreelec.org"

BUG\_REPORT\_URL="https://github.com/CoreELEC/CoreELEC"

BUILD\_ID="f71cd76cd3f6cf55ccba39d5433f6b09b3a37068"

LIBREELEC\_ARCH="Amlogic-ng.arm"

LIBREELEC\_BUILD="official"

LIBREELEC\_PROJECT="Amlogic-ce"

COREELEC\_ARCH="Amlogic-ng.arm"

COREELEC\_BUILD="official"

COREELEC\_PROJECT="Amlogic-ce"

COREELEC\_DEVICE="Amlogic-ng"

------------ /proc/device-tree/coreelec-dt-id ------------

g12b\_s922x\_x88\_king\_rev\_a

------------ /proc/device-tree/le-dt-id ------------ Not Found!

------------ /proc/cmdline ------------

init=/init console=ttyS0,115200 no\_console\_suspend earlycon=aml-uart,0xff803000 ramoops.pstore\_en=1 ramoops.record\_size=0x8000 ramoops.console\_size=0x4000 otg\_device=0 usb3\_off=0 reboot\_mode\_android=normal logo=osd0,loaded,0x3d800000 vout=1080p60hz,enable panel\_type=lcd\_1 hdmitx=,444,8bit hdmimode=1080p60hz frac\_rate\_policy=0 hdmi\_read\_edid=1 cvbsmode=576cvbs osd\_reverse=0 video\_reverse=0 irq\_check\_en=0 androidboot.selinux=permissive androidboot.firstboot=0 androidboot.reboot\_mode=cold\_boot jtag=disable androidboot.hardware=amlogic androidboot.serialno=1234567890 BOOT\_IMAGE=kernel.img boot=LABEL=COREELEC disk=LABEL=STORAGE console=ttyS0,115200 console=tty0 no\_console\_suspend keymap=us enable\_wol=1 hdmimode=1080p60hz logo=osd0,loaded,0x3d800000 frac\_rate\_policy=0 native\_4k\_gui=0 quiet systemd.show\_status=auto

------------ /storage/.config/boot.hint ------------

OK

------------ /storage/.config/boot.status ------------

OK

------------ /flash/boot.ini ------------ Not Found!

------------ /flash/config.ini ------------

#------------------------------------------------------------------------------------------------------

#

# config.ini

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# Console Setup

#

# consoleopt='console=ttyS0,115200 console=tty0 no\_console\_suspend'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# CPU Frequency Control

#

# WARNING!!! WARNING!!! WARNING!!!

# Before changing anything here please read the wiki entry at:

# https://wiki.odroid.com/odroid-n2/application\_note/software/set\_cpu\_freq

#

# max\_freq\_a73='1800'

# max\_freq\_a53='1896'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# HDMI CEC Control

# Set by CoreELEC Settings

#

# cec\_func\_config='7f'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# HDMI CEC OSD Name

# Set by CoreELEC Settings

#

cec\_osd\_name='CoreELEC'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# IR setup

# Setup a custom keycode to wake the N2/C4 from suspend or poweroff

# You can stop kodi and eventlircd and use "ir-keytable -u" to obtain a compatible u-boot

# IR keycode

# This setting will require a injected bl301 blob.

#

# remotewakeup='0x31ce4db2'

#

# decode\_type can be one of the following:

# NEC='0x0', DUOKAN='0x1', TOSHIBA='0x2', RCA='0x3', RC5='0x4', RC6A='0x5', NEC\_TOSHIBA\_2IN1='0x6',

# NEC\_RCA\_2IN1='0x7', RCMM='0x8', NEC\_RC5\_2IN1='0x9', NEC\_RC5\_2IN1='0xa', RC6='0xb'

# This setting will require a injected bl301 blob.

#

# decode\_type='0x0' # NEC

#

# remote power key mask:

# Some IR protocols implement a toggle bit, this can be ignored by the "and" mask:

# RC5='0x37ff', RC6='0x1effff', RC6A='0xffff7fff'

# This setting will require a injected bl301 blob.

#

# remotewakeupmask='0xffffffff'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# WOL Setting, 0=off/1=on

# Set by CoreELEC Settings

#

wol='1'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# Power Off and Wake Up using GPIO Key Button

# Valid options for Odroid N2/C4 are 476,477,478,479,480,481,483,484,485,486,487,488,489,490,491,492

# Valid option for Khadas VIM3 is 503

#

# gpiopower=476 # (pin 16 of J2 header)

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# USB specific options

#

# usbopts='usb-xhci.tablesize=2'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# USB Power Control

# Set by CoreELEC Settings

#

# usbpower=0

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# HDMI custom mode

# You can use this setting to set a custom video mode

# modeline "horpixels,verpixels,pixel\_clock,hor\_freq,ver\_freq,hdisp,hsyncstart,hsyncend,htotal,vdisp,

# vsyncstart,vsyncend,vtotal,hsync\_polarity,vsync\_polarity,progress\_mode"

#

# Example for 1920x1080p@60hz

# modeline='1920,1080,148500,67500,60,1920,2008,2052,2200,1080,1084,1088,1125,1,1,1'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# HDMI mode

# You can use this setting to set a specific video mode at boot.

#

# hdmimode='1080p60hz'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# Fractional Refresh Rate

# You can use this setting to set a fractional refresh rate. So for example if hdmimode it set to

# 1080p60hz then setting this to 1 will make the refresh rate switch to 59.97hz instead of the modes

# default of 60hz. In this example setting it to 0 will keep the modes default of 60hz.

#

# frac\_rate\_policy='0'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# Manual HDMI/DVI Mode Configuration

# This will enforce the signal type of the display. can be either 'hdmi' or 'dvi'

# voutmode='dvi'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# Busybox console keyboard layout

# Set by CoreELEC Settings

#

keymap='us'

#

#------------------------------------------------------------------------------------------------------

#------------------------------------------------------------------------------------------------------

#

# CoreELEC Developer Options

# Valid options are: textmode debugging progress nofsck nosplash noram overlay quiet ssh

#

# coreelec='quiet'

#

#------------------------------------------------------------------------------------------------------

------------ /flash/cfgload ------------

echo "Using device ${device}, number ${devnr}, partition ${partnr}, CoreELEC on eMMC: ${ce\_on\_emmc}"

setenv decode\_type "0"

setenv remotewakeupmask "0xffffffff"

setenv coreelec "quiet"

setenv hdmimode "1080p60hz"

setenv frac\_rate\_policy "0"

setenv native\_4k\_gui "0"

setenv rootopt "BOOT\_IMAGE=kernel.img boot=LABEL=COREELEC disk=LABEL=STORAGE"

if test "${ce\_on\_emmc}" = "yes"; then setenv rootopt "BOOT\_IMAGE=kernel.img boot=LABEL=CE\_FLASH disk=FOLDER=/dev/CE\_STORAGE"; fi

if fatload ${device} ${devnr}:${partnr} ${loadaddr} resolution.ini; then env import -t ${loadaddr} ${filesize}; fi

if fatload ${device} ${devnr}:${partnr} ${loadaddr} config.ini; then env import -t ${loadaddr} ${filesize}; fi

setenv consoleopt "console=ttyS0,115200 console=tty0 no\_console\_suspend"

if test "${cec\_func\_config}" != ""; then setenv cec "hdmitx=cec${cec\_func\_config}"; fi

if test "${gpiopower}" != ""; then setenv gpiopower "gpiopower=${gpiopower}"; fi

if test "${max\_freq\_a53}" != ""; then setenv max\_freq\_a53 "max\_freq\_a53=${max\_freq\_a53}"; fi

if test "${max\_freq\_a73}" != ""; then setenv max\_freq\_a73 "max\_freq\_a73=${max\_freq\_a73}"; fi

if test "${modeline}" != ""; then setenv cmode "modeline=${modeline}"; fi

if test "${wol}" != ""; then setenv wol "enable\_wol=${wol}"; fi

if test "${voutmode}" != ""; then setenv voutmode "voutmode=${voutmode}"; fi

if test "${keymap}" != ""; then setenv consoleopt "${consoleopt} keymap=${keymap}"; fi

setenv displayopt "hdmimode=${hdmimode} logo=osd0,loaded,${fb\_addr} frac\_rate\_policy=${frac\_rate\_policy} native\_4k\_gui=${native\_4k\_gui} ${voutmode}"

setenv initargs "${rootopt} ${consoleopt} ${max\_freq\_a53} ${max\_freq\_a73} ${wol} ${cec} ${gpiopower} ${usbopts} ${cmode}"

setenv bootargs "${bootargs} ${initargs} ${displayopt} ${coreelec}"

fatload ${device} ${devnr}:${partnr} ${loadaddr} kernel.img

bootm start

bootm loados

bootm prep

bootm go

------------ /flash/aml\_autoscript ------------

defenv

setenv bootfromnand 0

setenv upgrade\_step 2

setenv ce\_on\_emmc "no"

setenv sddtb 'if fatload mmc 0 ${dtb\_mem\_addr} dtb.img; then else store dtb read $dtb\_mem\_addr; fi'

setenv usbdtb 'if fatload usb 0 ${dtb\_mem\_addr} dtb.img; then else store dtb read $dtb\_mem\_addr; fi'

setenv cfgloadsd 'if fatload mmc 0:1 ${loadaddr} cfgload; then setenv device mmc; setenv devnr 0; setenv partnr 1; autoscr ${loadaddr}; fi'

setenv cfgloadusb 'if fatload usb 0:1 ${loadaddr} cfgload; then setenv device usb; setenv devnr 0; setenv partnr 1; autoscr ${loadaddr}; fi'

setenv cfgloademmc 'for p in 1 2 3 4 5 6 7 8 9 A B C D E F 10 11 12 13 14 15 16 17 18; do if fatload mmc 1:${p} ${loadaddr} cfgload; then setenv device mmc; setenv devnr 1; setenv partnr ${p}; setenv ce\_on\_emmc "yes"; autoscr ${loadaddr}; fi; done;'

setenv bootfromsd 'if mmcinfo; then run cfgloadsd; if fatload mmc 0 ${loadaddr} kernel.img; then run sddtb; setenv bootargs ${bootargs} bootfromsd; bootm; fi; fi'

setenv bootfromusb 'usb start 0; run cfgloadusb; if fatload usb 0 ${loadaddr} kernel.img; then run usbdtb; setenv bootargs ${bootargs} bootfromusb; bootm; fi'

setenv bootfromemmc 'run cfgloademmc'

setenv bootcmd 'if test ${bootfromnand} = 1; then setenv bootfromnand 0; saveenv; else run bootfromsd; run bootfromusb; run bootfromemmc; fi; run storeboot'

saveenv

run storeargs

run bootfromsd

run bootfromusb

run bootfromemmc

------------ /storage/.config/autostart.sh ------------

(sleep 60;hdparm -S 60 /dev/sda1)&

ethtool -s eth0 speed 100 duplex full

------------ /storage/init-previous.log ------------ Not Found!

------------ fw\_printenv ------------

EnableSelinux=permissive

Irq\_check\_en=0

active\_slot=\_a

aml\_dt=g12b\_AM6\_a4g

baudrate=115200

bcb\_cmd=get\_avb\_mode;get\_valid\_slot;

boot\_part=boot

bootcmd=if test ${bootfromnand} = 1; then setenv bootfromnand 0; saveenv; else run bootfromsd; run bootfromusb; run bootfromemmc; fi; run storeboot

bootdelay=1

bootfromemmc=run cfgloademmc

bootfromnand=0

bootfromsd=if mmcinfo; then run cfgloadsd; if fatload mmc 0 ${loadaddr} kernel.img; then run sddtb; setenv bootargs ${bootargs} bootfromsd; bootm; fi; fi

bootfromusb=usb start 0; run cfgloadusb; if fatload usb 0 ${loadaddr} kernel.img; then run usbdtb; setenv bootargs ${bootargs} bootfromusb; bootm; fi

ce\_on\_emmc=no

cfgloademmc=for p in 1 2 3 4 5 6 7 8 9 A B C D E F 10 11 12 13 14 15 16 17 18; do if fatload mmc 1:${p} ${loadaddr} cfgload; then setenv device mmc; setenv devnr 1; setenv partnr ${p}; setenv ce\_on\_emmc "yes"; autoscr ${loadaddr}; fi; done;

cfgloadsd=if fatload mmc 0:1 ${loadaddr} cfgload; then setenv device mmc; setenv devnr 0; setenv partnr 1; autoscr ${loadaddr}; fi

cfgloadusb=if fatload usb 0:1 ${loadaddr} cfgload; then setenv device usb; setenv devnr 0; setenv partnr 1; autoscr ${loadaddr}; fi

cmdline\_keys=if keyman init 0x1234; then if keyman read usid ${loadaddr} str; then setenv bootargs ${bootargs} androidboot.serialno=${usid};setenv serial ${usid};else setenv bootargs ${bootargs} androidboot.serialno=1234567890;setenv serial 1234567890;fi;if keyman read mac ${loadaddr} str; then setenv bootargs ${bootargs} mac=${mac} androidboot.mac=${mac};fi;if keyman read deviceid ${loadaddr} str; then setenv bootargs ${bootargs} androidboot.deviceid=${deviceid};fi;fi;

colorattribute=444,8bit

cvbs\_drv=0

cvbsmode=576cvbs

display\_bpp=16

display\_color\_bg=0

display\_color\_fg=0xffff

display\_color\_index=16

display\_height=1080

display\_layer=osd0

display\_width=1920

dtb\_mem\_addr=0x1000000

ethaddr=00:15:18:01:81:31

factory\_reset\_poweroff\_protect=echo wipe\_data=${wipe\_data}; echo wipe\_cache=${wipe\_cache};if test ${wipe\_data} = failed; then run init\_display; run storeargs;if mmcinfo; then run recovery\_from\_sdcard;fi;if usb start 0; then run recovery\_from\_udisk;fi;run recovery\_from\_flash;fi; if test ${wipe\_cache} = failed; then run init\_display; run storeargs;if mmcinfo; then run recovery\_from\_sdcard;fi;if usb start 0; then run recovery\_from\_udisk;fi;run recovery\_from\_flash;fi;

fb\_addr=0x3d800000

fb\_height=1080

fb\_width=1920

fdt\_high=0x20000000

firstboot=0

frac\_rate\_policy=0

fs\_type=rootfstype=ext4

gatewayip=10.18.9.1

hdmi\_read\_edid=1

hdmimode=1080p60hz

hostname=arm\_gxbb

init\_display=get\_rebootmode;echo reboot\_mode:::: ${reboot\_mode};if test ${reboot\_mode} = quiescent; then setenv reboot\_mode\_android quiescent;run storeargs;setenv bootargs ${bootargs} androidboot.quiescent=1;osd open;osd clear;else if test ${reboot\_mode} = recovery\_quiescent; then setenv reboot\_mode\_android quiescent;run storeargs;setenv bootargs ${bootargs} androidboot.quiescent=1;osd open;osd clear;else setenv reboot\_mode\_android normal;run storeargs;hdmitx hpd;hdmitx get\_preferred\_mode;osd open;osd clear;imgread pic logo bootup $loadaddr;bmp display $bootup\_offset;bmp scale;vout output ${outputmode};vpp hdrpkt;fi;fi;

initargs=init=/init console=ttyS0,115200 no\_console\_suspend earlycon=aml-uart,0xff803000 ramoops.pstore\_en=1 ramoops.record\_size=0x8000 ramoops.console\_size=0x4000

ipaddr=10.18.9.97

irremote\_update=if irkey 2500000 0xe31cfb04 0xb748fb04; then echo read irkey ok!; if itest ${irkey\_value} == 0xe31cfb04; then run update;else if itest ${irkey\_value} == 0xb748fb04; then run update;

fi;fi;fi;

jtag=disable

loadaddr=1080000

lock=10001000

netmask=255.255.255.0

osd\_reverse=0

otg\_device=0

outputmode=1080p60hz

panel\_type=lcd\_1

preboot=ir\_init\_custompowerkey;init\_bt\_wakeup;hdmitx get\_preferred\_mode;get\_autopoweron;run bcb\_cmd; run factory\_reset\_poweroff\_protect;run upgrade\_check;run init\_display;run storeargs;forceupdate;bcb uboot-command;run switch\_bootmode;

reboot\_mode\_android=normal

recovery\_from\_flash=get\_valid\_slot;echo active\_slot: ${active\_slot};if test ${active\_slot} = normal; then setenv bootargs ${bootargs} ${fs\_type} aml\_dt=${aml\_dt} recovery\_part={recovery\_part} recovery\_offset={recovery\_offset};if imgread kernel ${recovery\_part} ${loadaddr} ${recovery\_offset}; then wipeisb; setenv bootargs ${bootargs} uboot=; bootm ${loadaddr}; fi;else setenv bootargs ${bootargs} ${fs\_type} aml\_dt=${aml\_dt} recovery\_part=${boot\_part} recovery\_offset=${recovery\_offset};if imgread kernel ${boot\_part} ${loadaddr}; then setenv bootargs ${bootargs} uboot=; bootm ${loadaddr}; fi;fi;

recovery\_from\_sdcard=if fatload mmc 0 ${loadaddr} aml\_autoscript; then autoscr ${loadaddr}; fi;if fatload mmc 0 ${loadaddr} recovery.img; then if fatload mmc 0 ${dtb\_mem\_addr} dtb.img; then echo sd dtb.img loaded; fi;wipeisb; setenv bootargs ${bootargs} ${fs\_type};bootm ${loadaddr};fi;

recovery\_from\_udisk=if fatload usb 0 ${loadaddr} aml\_autoscript; then autoscr ${loadaddr}; fi;if fatload usb 0 ${loadaddr} recovery.img; then if fatload usb 0 ${dtb\_mem\_addr} dtb.img; then echo udisk dtb.img loaded; fi;wipeisb; setenv bootargs ${bootargs} ${fs\_type};bootm ${loadaddr};fi;

recovery\_offset=0

recovery\_part=recovery

sdc\_burning=sdc\_burn ${sdcburncfg}

sdc\_usb\_burning=usb\_burn ${sdcburncfg}

sdcburncfg=aml\_sdc\_burn.ini

sddtb=if fatload mmc 0 ${dtb\_mem\_addr} dtb.img; then else store dtb read $dtb\_mem\_addr; fi

sdr2hdr=2

serverip=10.18.9.113

start\_autoscript=if usb start ; then run start\_usb\_autoscript; fi; if mmcinfo; then run start\_mmc\_autoscript; fi; run start\_emmc\_autoscript;

start\_emmc\_autoscript=if fatload mmc 1 1020000 emmc\_autoscript; then autoscr 1020000; fi;

start\_mmc\_autoscript=if fatload mmc 0 1020000 s905\_autoscript; then autoscr 1020000; fi;

start\_usb\_autoscript=if fatload usb 0 1020000 s905\_autoscript; then autoscr 1020000; fi; if fatload usb 1 1020000 s905\_autoscript; then autoscr 1020000; fi; if fatload usb 2 1020000 s905\_autoscript; then autoscr 1020000; fi; if fatload usb 3 1020000 s905\_autoscript; then autoscr 1020000; fi;

storeargs=setenv bootargs ${initargs} otg\_device=${otg\_device} usb3\_off=${usb3\_off} reboot\_mode\_android=${reboot\_mode\_android} logo=${display\_layer},loaded,${fb\_addr} vout=${outputmode},enable panel\_type=${panel\_type} hdmitx=${cecconfig},${colorattribute} hdmimode=${hdmimode} frac\_rate\_policy=${frac\_rate\_policy} hdmi\_read\_edid=${hdmi\_read\_edid} cvbsmode=${cvbsmode} osd\_reverse=${osd\_reverse} video\_reverse=${video\_reverse} irq\_check\_en=${Irq\_check\_en} androidboot.selinux=${EnableSelinux} androidboot.firstboot=${firstboot} androidboot.reboot\_mode=${reboot\_mode} jtag=${jtag}; setenv bootargs ${bootargs} androidboot.hardware=amlogic;run cmdline\_keys;

storeboot=boot\_cooling;autocali 5 1 1 0;get\_system\_as\_root\_mode;echo system\_mode: ${system\_mode};if test ${system\_mode} = 1; then setenv bootargs ${bootargs} ro rootwait skip\_initramfs;else setenv bootargs ${bootargs} ug\_magisk=${ug\_magisk} skip\_initramfs ${fs\_type};fi;get\_valid\_slot;get\_avb\_mode;echo active\_slot: ${active\_slot};if test ${active\_slot} != normal; then setenv bootargs ${bootargs} androidboot.slot\_suffix=${active\_slot};fi;if test ${avb2} = 0; then if test ${active\_slot} = \_a; then setenv bootargs ${bootargs} root=/dev/mmcblk0p23;else if test ${active\_slot} = \_b; then setenv bootargs ${bootargs} root=/dev/mmcblk0p24;fi;fi;fi;if imgread kernel ${boot\_part} ${loadaddr}; then setenv bootargs ${bootargs} uboot=; bootm ${loadaddr}; fi;run storeargs; run update;

switch\_bootmode=get\_rebootmode;if test ${reboot\_mode} = factory\_reset; then setenv reboot\_mode\_android normal;run storeargs;run recovery\_from\_flash;else if test ${reboot\_mode} = update; then setenv reboot\_mode\_android normal;run storeargs;run update;else if test ${reboot\_mode} = quiescent; then setenv reboot\_mode\_android quiescent;run storeargs;setenv bootargs ${bootargs} androidboot.quiescent=1;else if test ${reboot\_mode} = recovery\_quiescent; then setenv reboot\_mode\_android quiescent;run storeargs;setenv bootargs ${bootargs} androidboot.quiescent=1;run recovery\_from\_flash;else if test ${reboot\_mode} = cold\_boot; then setenv reboot\_mode\_android normal;run storeargs;else if test ${reboot\_mode} = fastboot; then setenv reboot\_mode\_android normal;run storeargs;fastboot;fi;fi;fi;fi;fi;fi;

try\_auto\_burn=update 700 750;

ug\_magisk=1

update=run usb\_burning; run sdc\_burning; run sdc\_usb\_burning; if mmcinfo; then run recovery\_from\_sdcard;fi;if usb start 0; then run recovery\_from\_udisk;fi;run recovery\_from\_flash;

upgrade\_check=echo auto\_burn; run try\_auto\_burn; if itest ${upgrade\_step} == 3; then run init\_display; run storeargs; run update;else fi;

upgrade\_key=if gpio input GPIOAO\_3; then echo detect upgrade key; run update;fi;

upgrade\_step=2

usb3\_off=0

usb\_burning=update 1000

usbdtb=if fatload usb 0 ${dtb\_mem\_addr} dtb.img; then else store dtb read $dtb\_mem\_addr; fi

video\_reverse=0

wipe\_cache=successful

wipe\_data=successful

------------ lsmod ------------

Module Size Used by

hci\_uart 86016 1

btbcm 16384 1 hci\_uart

btintel 24576 1 hci\_uart

openvfd 200704 1

meson\_remote 61440 0

8021q 36864 0

bluetooth 425984 27 hci\_uart,btintel,btqca,btbcm

nfsd 364544 3

exportfs 16384 1 nfsd

nfs\_acl 16384 1 nfsd

dhd 1187840 0

wireguard 139264 0

ip6\_udp\_tunnel 16384 1 wireguard

udp\_tunnel 16384 1 wireguard

mali\_kbase 507904 3

wifi\_dummy 16384 0

amvdec\_vp9 135168 0

amvdec\_vc1 69632 0

amvdec\_real 45056 0

amvdec\_ports 249856 0

v4l2\_common 16384 1 amvdec\_ports

videobuf2\_dma\_contig 20480 1 amvdec\_ports

videobuf2\_memops 16384 1 videobuf2\_dma\_contig

v4l2\_mem2mem 28672 1 amvdec\_ports

videobuf2\_v4l2 28672 2 amvdec\_ports,v4l2\_mem2mem

videobuf2\_core 49152 3 amvdec\_ports,v4l2\_mem2mem,videobuf2\_v4l2

amvdec\_mpeg4 65536 0

amvdec\_mpeg12 110592 0

amvdec\_mmpeg4 40960 0

amvdec\_mmpeg12 49152 0

amvdec\_mmjpeg 36864 0

amvdec\_mjpeg 40960 0

amvdec\_mh264 172032 0

amvdec\_h265 163840 0

amvdec\_h264mvc 57344 0

amvdec\_h264 151552 0

amvdec\_mavs 61440 0

amvdec\_avs 69632 0

amvdec\_avs2 221184 0

stream\_input 208896 12 amvdec\_h265,amvdec\_mavs,amvdec\_mh264,amvdec\_h264mvc,amvdec\_ports,amvdec\_real,amvdec\_vp9,amvdec\_h264,amvdec\_avs2,amvdec\_mpeg12,amvdec\_avs,amvdec\_mmpeg12

decoder\_common 196608 18 amvdec\_h265,amvdec\_mavs,amvdec\_mjpeg,amvdec\_mh264,amvdec\_mmpeg4,amvdec\_h264mvc,amvdec\_mmjpeg,amvdec\_ports,amvdec\_real,stream\_input,amvdec\_vp9,amvdec\_h264,amvdec\_avs2,amvdec\_mpeg12,amvdec\_avs,amvdec\_vc1,amvdec\_mmpeg12,amvdec\_mpeg4

firmware 28672 18 amvdec\_h265,amvdec\_mavs,amvdec\_mjpeg,amvdec\_mh264,amvdec\_mmpeg4,amvdec\_h264mvc,amvdec\_mmjpeg,decoder\_common,amvdec\_real,stream\_input,amvdec\_vp9,amvdec\_h264,amvdec\_avs2,amvdec\_mpeg12,amvdec\_avs,amvdec\_vc1,amvdec\_mmpeg12,amvdec\_mpeg4

media\_clock 45056 14 amvdec\_h265,amvdec\_mavs,amvdec\_mh264,decoder\_common,amvdec\_ports,firmware,stream\_input,amvdec\_vp9,amvdec\_h264,amvdec\_avs2,amvdec\_mpeg12,amvdec\_avs,amvdec\_vc1,amvdec\_mpeg4

amlvideodri 24576 0

videobuf\_res 16384 1 amlvideodri

videobuf\_core 32768 2 amlvideodri,videobuf\_res

videodev 290816 6 amlvideodri,v4l2\_common,amvdec\_ports,videobuf2\_core,v4l2\_mem2mem,videobuf2\_v4l2

media 40960 1 videodev

fuse 131072 1

fbcon 61440 0

bitblit 16384 1 fbcon

softcursor 16384 1 bitblit

font 20480 1 fbcon

------------ lsusb ------------

Bus 002 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub

Bus 001 Device 003: ID 05e3:0608 Genesys Logic, Inc. Hub

Bus 001 Device 002: ID 174c:5106 ASMedia Technology Inc. ASM1051 SATA 3Gb/s bridge

Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub

CoreELEC Display Information...

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/edid ------------

Rx Manufacturer Name: MEI

Rx Product Code: c311

Rx Serial Number: 01010101

Rx Product Name: Panasonic-TV

Manufacture Week: 0

Manufacture Year: 2011

Physcial size(cm): 0 x 0

EDID Version: 1.3

EDID block number: 0x1

blk0 chksum: 0x42

Source Physical Address[a.b.c.d]: 1.0.0.0

native Mode 72, VIC (native 31):

ColorDeepSupport b8

31 16 20 5 32 19 4 18 3 17 2 22 7 21 6 1

Audio {format, channel, freq, cce}

{1, 1, 7, 1}

Speaker Allocation: 0

Vendor: 0xc03 ( HDMI device)

MaxTMDSClock1 190 MHz

vLatency: Invalid/Unknown

aLatency: Invalid/Unknown

i\_vLatency: Invalid/Unknown

i\_aLatency: Invalid/Unknown

SCDC: 0

RR\_Cap: 0

LTE\_340M\_Scramble: 0

DeepColor

checkvalue: 0x420a0000

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/edid\_parsing ------------

ok

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/rawedid ------------



------------ /sys/devices/virtual/amhdmitx/amhdmitx0/config ------------

cur\_VIC: 16

cur\_video\_param->VIC=16

VIC: 16 1920x1080p60hz

Colour depth: 8-bit

Colourspace: YUV444

Colour range: default

EOTF: SDR

YCC colour range: limited

Colourimetry: BT.709

PLL clock: 0xdb1204f7, Vid clock div 0x000a739c

audio config: on

audio on/off: on

audio source: I2S

audio type: L-PCM

audio channel num: 2 channels

audio sample rate: 44.1kHz

audio sample size: MAX

3D config: off

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/dc\_cap ------------

444,12bit

444,10bit

444,8bit

422,12bit

422,10bit

422,8bit

rgb,12bit

rgb,10bit

rgb,8bit

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/dv\_cap ------------

The Rx don't support DolbyVision

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/attr ------------

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/disp\_cap ------------

480i60hz

576i50hz

480p60hz

576p50hz

720p60hz

1080i60hz

1080p60hz

720p50hz

1080i50hz

1080p50hz\*

1080p24hz

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/vesa\_cap ------------

------------ /flash/vesa.enable ------------ Unset by user!

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/custom\_mode ------------ Not Found!

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/preferred\_mode ------------

1080i50hz

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/hdr\_cap ------------

HDR10Plus Supported: 0

HDR Static Metadata:

Supported EOTF:

Traditional SDR: 0

Traditional HDR: 0

SMPTE ST 2084: 0

Hybrid Log-Gamma: 0

Supported SMD type1: 0

Luminance Data

Max: 0

Avg: 0

Min: 0

HDR Dynamic Metadata:

colorimetry\_data: 0

------------ /sys/module/am\_vecm/parameters/hdr\_mode ------------

2

------------ /sys/module/am\_vecm/parameters/sdr\_mode ------------

0

------------ /sys/class/display/vinfo ------------

current vinfo:

name: 1080p60hz

mode: 0

width: 1920

height: 1080

field\_height: 1080

aspect\_ratio\_num: 16

aspect\_ratio\_den: 9

sync\_duration\_num: 60

sync\_duration\_den: 1

screen\_real\_width: 16

screen\_real\_height: 9

htotal: 2200

vtotal: 1125

fr\_adj\_type: 4

video\_clk: 148500000

viu\_color\_fmt: 2

viu\_mux: 2

3d\_info: 0

master\_display\_info:

present\_flag 0

features 0x0

primaries 0x0, 0x0

0x0, 0x0

0x0, 0x0

white\_point 0x0, 0x0

luminance 0, 0

hdr\_static\_info:

hdr\_support 0

lumi\_max 0

lumi\_avg 0

lumi\_min 0

hdr\_dynamic\_info:

metadata\_version: 0

support\_flags: 0

optional\_fields:

metadata\_version: 0

support\_flags: 0

optional\_fields:

metadata\_version: 0

support\_flags: 0

optional\_fields:

metadata\_version: 0

support\_flags: 0

optional\_fields:

hdr10+:

ieeeoui: 0

application\_version: 0

------------ kodi display settings ------------

coreelec.amlogic.limit8bit: false

coreelec.amlogic.force422: false

coreelec.amlogic.deinterlacing:

coreelec.amlogic.noisereduction: false

coreelec.amlogic.hdr2sdr: 2

coreelec.amlogic.sdr2hdr: 0

videoplayer.adjustrefreshrate: 2

videoplayer.useamcodec: true

videoplayer.useamcodech264: 0

videoplayer.useamcodecmpeg2: 0

videoplayer.useamcodecmpeg4: 800

videoplayer.usedisplayasclock: false

videoscreen.whitelist:

lookandfeel.skin: skin.estuary

------------ /storage/.kodi/userdata/disp\_cap ------------ Unset by user!

------------ /storage/.kodi/userdata/disp\_add ------------ Unset by user!

checkbl301 not found!

CoreELEC Remote Control Information...

------------ /proc/device-tree/meson-ir/status ------------

okay

------------ /proc/device-tree/meson-remote/status ------------

okay

------------ /storage/.config/remote.disable ------------ Unset by user!

------------ /flash/remote.disable ------------ Unset by user!

------------ /storage/.config/remote\*.conf ------------ Unset by user!

------------ /flash/remote\*.conf ------------

------------ /flash/remote.conf ------------

#amlogic X88 KING - example 1

# Copy the Krypton remote.conf to the COREELEC partition of your SD card / USB flash drive or to /storage/.config/remote.conf and reboot.

# Your device will reboot again whilst changes are made to your device, to revert back to meson-ir just simply remove the file and reboot again.

factory\_code = 0xef100001

work\_mode = 0

repeat\_enable = 1

repeat\_delay = 30

repeat\_peroid = 120

release\_delay = 20

debug\_enable = 1

left\_key\_scancode = 0x07

right\_key\_scancode = 0x01

up\_key\_scancode = 0x45

down\_key\_scancode = 0x55

ok\_key\_scancode = 0x41

# '#' means a comment(after # the reset of the line is ignored), I've tried to split it up, names/keys

# as you go down the remote and should make it easier to customise how you like

# \* change this value for your desired function, a couple are given in comments

# fn\_key\_scancode = 0x52 #MOUSE

# left\_key\_scancode = 0x25 #LEFT

# right\_key\_scancode = 0x27 #RIGHT

# up\_key\_scancode = 0x69 #UP

#down\_key\_scancode = 0x85 #DOWN

# ok\_key\_scancode = 0x0d #OK

mouse\_begin

# 0 0x25 #LEFT

# 1 0x27 #RIGHT

# 2 0x26 #UP

# 3 0x28 #DOWN

mouse\_end

key\_begin

0x5d 116 #Power

0x58 164 #PLAYPAUSE (MUTE)

# 0x09 398 #RED

# 0x11 399 #GREEN

# 0x54 400 #YELLOW

# 0x4f 401 #BLUE

# 0x56 104 #PAGEUP (VOL-)

# 0x4e 109 #PAGEDOWN (VOL+)

0x07 105 #LEFT

0x01 106 #RIGHT

0x45 103 #UP

0x55 108 #DOWN

0x41 28 #ENTER (OK)

0x1a 168 #REWIND

0x1d 208 #FASTFORWARD

0x46 172 #HOME

0x5a 1 #ESC (BACK)

0x05 46 #C (CONTEXTMENU)

## 0x52 nn #MOUSE (dont use this line, key is mapped in fn\_key\_scancode)

0x4f 1 #No.0

0x50 2 #No.1

0x52 3 #No.2

0x10 4 #No.3

0x4c 5 #No.4

0x4a 6 #No.5

0x11 7 #No.6

0x0f 8 #No.7

0x4e 9 #No.8

0x0d 10 #No.9

0x5e 14 #BACKSPACE

# 0x58 23 #INFO

0x5f 113 #MUTE

0xf5 114 #VOLUMEDOWN

0xf4 115 #VOLUMEUP

0x13 114 #VOLUMEDOWN

0x17 115 #VOLUMEUP

# 0x09 364 #FAVORITES

# 0x46 102 #HOME

# 0x54 158 #BACK

0x59 139 #CONFIG

key\_end

repeat\_key\_begin

# 0x1a 165 #previous song

# 0x1d 163 #next song

repeat\_key\_end

------------ /storage/.config/lircd.conf ------------ Unset by user!

------------ /storage/.config/lirc\_options.conf ------------ Unset by user!

------------ /storage/.config/rc\_maps.cfg ------------ Unset by user!

------------ /storage/.config/rc\_keymaps ------------

------------ /storage/.config/rc\_keymaps/README ------------

RC keymaps user config dir

put your own keymaps for ir-keytable in this directory

------------ /storage/.kodi/userdata/Lircmap.xml ------------ Unset by user!

------------ /storage/.kodi/userdata/keyboard.xml ------------ Unset by user!

------------ /storage/.kodi/userdata/keymaps ------------

------------ BL301 ------------

CoreELEC Audio Information...

------------ /sys/devices/virtual/amhdmitx/amhdmitx0/aud\_cap ------------

CodingType MaxChannels SamplingFreq SampleSize

PCM, 2 ch, 32/44.1/48 kHz,

16 bit

------------ /proc/device-tree/pinctrl@ff634480/spdifout/mux/groups ------------ Not Found!

------------ /sys/class/sound ------------

AMLAUGESOUND

|-card0

|-controlC0

|-pcmC0D0p

|-pcmC0D1c

|-pcmC0D1p

|-pcmC0D2c

|-pcmC0D2p

|-pcmC0D3c

|-pcmC0D3p

------------ /proc/asound/cards ------------

0 [AMLAUGESOUND ]: AML-AUGESOUND - AML-AUGESOUND

AML-AUGESOUND

------------ /proc/asound/pcm ------------

00-00: SPDIF-B-dummy dummy-0 : : playback 1

00-01: TDM-B-T9015-audio-hifi T9015-audio-hifi-1 : : playback 1 : capture 1

00-02: SPDIF-dummy dummy-2 : : playback 1 : capture 1

00-03: TDM-C-dummy dummy-3 : : playback 1 : capture 1

------------ aplay ------------

------------ aplay -l ------------

\*\*\*\* List of PLAYBACK Hardware Devices \*\*\*\*

card 0: AMLAUGESOUND [AML-AUGESOUND], device 0: SPDIF-B-dummy dummy-0 []

Subdevices: 1/1

Subdevice #0: subdevice #0

card 0: AMLAUGESOUND [AML-AUGESOUND], device 1: TDM-B-T9015-audio-hifi T9015-audio-hifi-1 []

Subdevices: 1/1

Subdevice #0: subdevice #0

card 0: AMLAUGESOUND [AML-AUGESOUND], device 2: SPDIF-dummy dummy-2 []

Subdevices: 1/1

Subdevice #0: subdevice #0

card 0: AMLAUGESOUND [AML-AUGESOUND], device 3: TDM-C-dummy dummy-3 []

Subdevices: 1/1

Subdevice #0: subdevice #0

------------ aplay -L ------------

null

Discard all samples (playback) or generate zero samples (capture)

default:CARD=AMLAUGESOUND

AML-AUGESOUND,

Default Audio Device

sysdefault:CARD=AMLAUGESOUND

AML-AUGESOUND,

Default Audio Device

surround71:CARD=AMLAUGESOUND,DEV=0

AML-AUGESOUND,

7.1 Surround output to Front, Center, Side, Rear and Woofer speakers

iec958:CARD=AMLAUGESOUND,DEV=0

AML-AUGESOUND,

IEC958 (S/PDIF) Digital Audio Output

hdmi:CARD=AMLAUGESOUND,DEV=0

AML-AUGESOUND,

HDMI Audio Output

------------ kodi audio settings ------------

accessibility.audiohearing: false

accessibility.audiovisual: false

accessibility.subhearing: false

audiooutput.ac3passthrough: true

audiooutput.ac3transcode: false

audiooutput.atempothreshold: 2

audiooutput.audiodevice: ALSA:surround71:CARD=AMLAUGESOUND,DEV=0

audiooutput.boostcenter: 0

audiooutput.channels: 1

audiooutput.config: 3

audiooutput.dtshdpassthrough: false

audiooutput.dtspassthrough: false

audiooutput.eac3passthrough: false

audiooutput.guisoundmode: 1

audiooutput.maintainoriginalvolume: true

audiooutput.passthrough: false

audiooutput.passthroughdevice: ALSA:iec958:CARD=AMLAUGESOUND,DEV=0

audiooutput.processquality: 30

audiooutput.samplerate: 48000

audiooutput.audiooutput.stereoupmix:

audiooutput.audiooutput.streamnoise:

audiooutput.audiooutput.streamsilence:

audiooutput.truehdpassthrough: false

audiooutput.volumesteps: 20

musicplayer.replaygainavoidclipping: false

musicplayer.replaygainnogainpreamp: 89

musicplayer.replaygainpreamp: 89

musicplayer.replaygaintype: 1

musicplayer.seekdelay: 750

musicplayer.seeksteps: -60,-30,-10,10,30,60

mute: false

volumelevel: 1.000000

------------ /storage/.config/sound.conf ------------ Unset by user!

------------ /storage/.config/asound.conf ------------ Unset by user!

------------ /storage/.config/pulse-daemon.conf.d ------------