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# if you want to boot jessie with systemd: setenv bootargs init=/
bin/systemd console=tty1 ...
# remember to disable ramlog prior switching to systemd
setenv bootargs "console=ttyS0,115200 root=/dev/mmcblk0p1 rootwait
rootfstype=ext4 cgroup-enable=memory swapaccount=1
sunxi_ve_mem_reserve=190 sunxi_g2d_mem_reserve=16
sunxi_no_mali_mem_reserve sunxi_fb_mem_reserve=32 hdmi.audio=EDID:0
disp.screen0_output_mode=1024x600p60 panic=10 consoleblank=0
enforcing=0 loglevel=1"
#-----
# Boot loader script to boot with different boot methods for old and
new kernel
#-----
if ext4load mmc 0 0x00000000 /boot/.next || fatload mmc 0
0x00000000 .next || ext4load mmc 0 0x00000000 .next
then
# sunxi mainline kernel
#-----
ext4load mmc 0 0x49000000 /boot/dtb/${fdtfile} || fatload mmc 0
0x49000000 /dtb/${fdtfile} || ext4load mmc 0 0x49000000 /dtb/$
{fdtfile}
ext4load mmc 0 0x46000000 /boot/zImage || fatload mmc 0 0x46000000
zImage || ext4load mmc 0 0x46000000 zImage
env set fdt_high ffffffff
bootz 0x46000000 - 0x49000000
#-----
else
# sunxi android kernel
#-----
ext4load mmc 0 0x43000000 /boot/script.bin || fatload mmc 0
0x43000000 script.bin || ext4load mmc 0 0x43000000 script.bin
ext4load mmc 0 0x48000000 /boot/zImage || fatload mmc 0 0x48000000
zImage || ext4load mmc 0 0x48000000 zImage
bootz 0x48000000
#-----
fi
# Recompile with:
# mkimage -C none -A arm -T script -d /boot/boot.cmd /boot/boot.scr

```

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Displaying message: Preparing host info
Config: linux-sun7i-default
Kernel source: https://github.com/linux-sunxi/linux-sunxi
Branch: sunxi-3.4
linuxsource: linux-sunxi

```

Offset: 1
bootsize: 0
bootloader: git://git.denx.de/u-boot.git
bootsource: u-boot
bootbranch: v2016.01
CPU 480000 / 1010000 with interactive
13.01.2016 10:47:04 Armbian 4.83 Cubieboard2 Debian wheezy default
Displaying message: Starting Armbian build script @host info
Displaying message: Building Armbian 4.83 Cubieboard2 Debian wheezy
default info
Displaying message: Syncing clock host info
Displaying message: source downloading @host info
Displaying message: ... updating u-boot info
Displaying message: ... updating linux-sunxi info
Displaying message: ... updating sunxi-tools info
Displaying message: ... updating rt8192cu info
Displaying message: ... updating sunxi-display-changer info
Displaying message: Compiling sunxi tools @host & target info
arm-linux-gnueabihf-gcc -g -O0 -Wall -Wextra -std=c99 -
D_POSIX_C_SOURCE=200112L -Iinclude/ -c -o nand-part-main.o nand-
part-main.c
arm-linux-gnueabihf-gcc -g -O0 -Wall -Wextra -std=c99 -
D_POSIX_C_SOURCE=200112L -Iinclude/ -c -o nand-part-a10.o nand-
part.c -D A10
arm-linux-gnueabihf-gcc -g -O0 -Wall -Wextra -std=c99 -
D_POSIX_C_SOURCE=200112L -Iinclude/ -c -o nand-part-a20.o nand-
part.c -D A20
arm-linux-gnueabihf-gcc -o sunxi-nand-part nand-part-main.o nand-
part-a10.o nand-part-a20.o
arm-linux-gnueabihf-gcc -g -O0 -Wall -Wextra -std=c99 -
D_POSIX_C_SOURCE=200112L -Iinclude/ -o sunxi-fexc fexc.c script.c
script_uboot.c script_bin.c script_fexc.c
make: `meminfo' is up to date.
Displaying message: Cleaning /home/martin/sources/u-boot/v2016.01
info
Displaying message: Cleaning /home/martin/sources/linux-sunxi/
sunxi-3.4 info
Displaying message: Cleaning /home/martin/output/debs info
Displaying message: Started patching process for kernel sun7i-
default 3.4.104 info
Displaying message: Looking for user patches in userpatches/kernel/
sun7i-default info
/home/martin/lib/patch/kernel/sun7i-default/0010-
patch-3.4.104-105.patch sun7i-default 3.4.104
Displaying message: ... 0010-patch-3.4.104-105.patch succeeded info
/home/martin/lib/patch/kernel/sun7i-default/0011-
patch-3.4.105-106.patch sun7i-default 3.4.104
Displaying message: ... 0011-patch-3.4.105-106.patch succeeded info
/home/martin/lib/patch/kernel/sun7i-default/0012-
patch-3.4.106-107.patch sun7i-default 3.4.104
Displaying message: ... 0012-patch-3.4.106-107.patch succeeded info
/home/martin/lib/patch/kernel/sun7i-default/0013-
patch-3.4.107-108.patch sun7i-default 3.4.104
Displaying message: ... 0013-patch-3.4.107-108.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0015-linux-sunxi-3.4.108-overlayfs.patch sun7i-default 3.4.104
Displaying message: ... 0015-linux-sunxi-3.4.108-overlayfs.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0016-patch-3.4.108-109.patch sun7i-default 3.4.104
Displaying message: ... 0016-patch-3.4.108-109.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0017-patch-3.4.109-110.patch sun7i-default 3.4.104
Displaying message: ... 0017-patch-3.4.109-110.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0020-clustering-patch-3.4-ja1.patch sun7i-default 3.4.104
Displaying message: ... 0020-clustering-patch-3.4-ja1.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0020-dev-bananapi-r1.patch sun7i-default 3.4.104
Displaying message: ... 0020-dev-bananapi-r1.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0021-IDE-led-trigger-to-generic-disk-activity.patch sun7i-default 3.4.104
Displaying message: ... 0021-IDE-led-trigger-to-generic-disk-activity.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0022-a20-temp.patch sun7i-default 3.4.104
Displaying message: ... 0022-a20-temp.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0023-HDMI-8ch-and-Alsa-fix.patch sun7i-default 3.4.104
Displaying message: ... 0023-HDMI-8ch-and-Alsa-fix.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0024-dev-chip-id-and-gmac-fixing-mac.patch sun7i-default 3.4.104
Displaying message: ... 0024-dev-chip-id-and-gmac-fixing-mac.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0025-gpio.patch sun7i-default 3.4.104
Displaying message: ... 0025-gpio.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0026-rt8192cu-missing-case.patch sun7i-default 3.4.104
Displaying message: ... 0026-rt8192cu-missing-case.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0027-banana_touch_screen.patch sun7i-default 3.4.104
Displaying message: ... 0027-banana_touch_screen.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0028-dev-i2s-spdif.patch sun7i-default 3.4.104
Displaying message: ... 0028-dev-i2s-spdif.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0029-dev-spi-sun7i.patch sun7i-default 3.4.104
Displaying message: ... 0029-dev-spi-sun7i.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0030-ap6210_module.patch sun7i-default 3.4.104
Displaying message: ... 0030-ap6210_module.patch succeeded info

/home/martin/lib/patch/kernel/sun7i-default/0040-dev-packaging.patch sun7i-default 3.4.104

Displaying message: ... 0040-dev-packaging.patch succeeded info
/home/martin/lib/patch/kernel/sun7i-default/fbtf_t_for_older.patch
sun7i-default 3.4.104
Displaying message: ... fbtf_t_for_older.patch succeeded info
/home/martin/lib/patch/kernel/sun7i-default/headers-packing-
legacy.patch sun7i-default 3.4.104
Displaying message: ... headers-packing-legacy.patch succeeded info
Displaying message: Started patching process for u-boot u-boot-
default 2016.01 info
Displaying message: Looking for user patches in userpatches/u-boot/
u-boot-default info
/home/martin/lib/patch/u-boot/u-boot-default/add-awsom-u-boot.patch
u-boot-default 2016.01
Displaying message: ... add-awsom-u-boot.patch succeeded info
/home/martin/lib/patch/u-boot/u-boot-default/add-cubieboard4.patch
u-boot-default 2016.01
Displaying message: ... add-cubieboard4.patch succeeded info
/home/martin/lib/patch/u-boot/u-boot-default/add-lamobo-r1-
u-boot.patch u-boot-default 2016.01
Displaying message: ... add-lamobo-r1-u-boot.patch succeeded info
/home/martin/lib/patch/u-boot/u-boot-default/sunxi-boot-splash.patch
u-boot-default 2016.01
Displaying message: ... sunxi-boot-splash.patch succeeded info
Displaying message: Compiling u-boot. Please wait. 2016.01 info
13.01.2016 10:47:43 /home/martin/sources/u-boot/v2016.01/
Cubieboard2_config
Displaying message: Target directory /home/martin/output/debs/ info
Displaying message: Building deb linux-u-boot-
cubieboard2_4.83_armhf.deb info
Displaying message: Compiling default kernel @host info
Displaying message: Using kernel config file lib/config/linux-sun7i-
default.config info
Displaying message: Creating board support package. cubieboard2 info
Displaying message: Fingerprinting. Armbian 4.83 Cubieboard2 Debian
wheezy default Linux 3.4.110 info
Displaying message: Building deb package. linux-wheezy-root-
cubieboard2_4.83_armhf.deb info
Displaying message: Extracting wheezy from cache 0 days old info
Displaying message: Install kernel linux-image-sun7i_4.83_armhf.deb
info
Displaying message: Install u-boot linux-u-boot-sun7i_4.83_armhf.deb
info
Displaying message: Install headers linux-headers-
sun7i_4.83_armhf.deb info
Displaying message: Install firmware linux-firmware-image-
sun7i_4.83_armhf.deb info
Displaying message: Fixing release custom applications. wheezy info
Displaying message: Creating boot scripts cubieboard2 info
Displaying message: Installing desktop XFCE info
Displaying message: Compiling FB Turbo sunxi info
Displaying message: Installing external applications USB redirector
info
make -C /home/martin/sources/linux-sunxi/sunxi-3.4/ M=/home/martin/
sources/usb-redirector-linux-arm-eabi/files/modules/src/tusbd

```
modules
make[1]: Entering directory `/home/martin/sources/linux-sunxi/
sunxi-3.4'
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/driver.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/usdbcdev.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/minor_control.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/minor_device.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/usb_device.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/fifo.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/utls.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/urb_chain.o
  CC [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/sg.o
  LD [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/tusbd.o
  Building modules, stage 2.
  MODPOST 1 modules
  CC /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/tusbd.mod.o
  LD [M] /home/martin/sources/usb-redirector-linux-arm-eabi/files/
modules/src/tusbd/tusbd.ko
make[1]: Leaving directory `/home/martin/sources/linux-sunxi/
sunxi-3.4'
Displaying message: Installing external applications RT8192 driver
info
Displaying message: Possible after install. customize-image.sh info
Displaying message: Writing bootloader /dev/loop0 info
Displaying message: Shrink image last partition to minimum info
PARTSTART 2048 PARTEND 8191999 PARTSTARTBLOCKS 1048576
BLOCKSIZE 627769 RESERVEDBLOCKSIZE 28785
NEWSIZE 2511076 STARTFROM 2048 TRUNCATE 2572390400
Displaying message: Create and sign
Armbian_4.83_Cubieboard2_Debian_wheezy_3.4.110_desktop.zip info
Displaying message: Runtime 24 min info
```