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192.168.0.27 ~ $ tail -n1000 /var/log/kern.log.1
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Aug 14 11:29:20 norns kernel: [ 1.174915] hctosys: unable to open
rtc device (rtc0)
Aug 14 11:29:20 norns kernel: [ 1.174918] of_cfs_init
Aug 14 11:29:20 norns kernel: [ 1.174967] of_cfs_init: OK
Aug 14 11:29:20 norns kernel: [ 1.175185] ALSA device list:
Aug 14 11:29:20 norns kernel: [ 1.175188] #0: snd_rpi_monome
Aug 14 11:29:20 norns kernel: [ 1.175289] uart-pl011
3f201000.serial: no DMA platform data
Aug 14 11:29:20 norns kernel: [ 1.175357] Waiting for root device /
dev/mmcblk0p2...
Aug 14 11:29:20 norns kernel: [ 1.218174] mmc0: new high speed MMC
card at address 0001
Aug 14 11:29:20 norns kernel: [ 1.218420] mmcblk0: mmc0:0001 4FPD3R
3.64 GiB
Aug 14 11:29:20 norns kernel: [ 1.218519] mmcblk0boot0: mmc0:0001
4FPD3R partition 1 4.00 MiB
Aug 14 11:29:20 norns kernel: [ 1.218628] mmcblk0boot1: mmc0:0001
4FPD3R partition 2 4.00 MiB
Aug 14 11:29:20 norns kernel: [ 1.218736] mmcblk0rpmb: mmc0:0001
4FPD3R partition 3 512 KiB
Aug 14 11:29:20 norns kernel: [ 1.219871] mmcblk0: p1 p2
Aug 14 11:29:20 norns kernel: [ 1.233577] EXT4-fs (mmcblk0p2):
INFO: recovery required on readonly filesystem
Aug 14 11:29:20 norns kernel: [ 1.233581] EXT4-fs (mmcblk0p2):
write access will be enabled during recovery
Aug 14 11:29:20 norns kernel: [ 1.272005] usb 1-1: new high-speed
USB device number 2 using dwc_otg
Aug 14 11:29:20 norns kernel: [ 1.272240] Indeed it is in host mode
hprt0 = 00001101
Aug 14 11:29:20 norns kernel: [ 1.508132] EXT4-fs (mmcblk0p2):
recovery complete
Aug 14 11:29:20 norns kernel: [ 1.508711] EXT4-fs (mmcblk0p2):
mounted filesystem with ordered data mode. Opts: (null)
Aug 14 11:29:20 norns kernel: [ 1.508750] VFS: Mounted root (ext4
filesystem) readonly on device 179:2.
Aug 14 11:29:20 norns kernel: [ 1.513275] usb 1-1: New USB device
found, idVendor=04b4, idProduct=6570
Aug 14 11:29:20 norns kernel: [ 1.513281] usb 1-1: New USB device
strings: Mfr=0, Product=1, SerialNumber=0
Aug 14 11:29:20 norns kernel: [ 1.513285] usb 1-1: Product: USB2.0
Hub
Aug 14 11:29:20 norns kernel: [ 1.513784] hub 1-1:1.0: USB hub
found
Aug 14 11:29:20 norns kernel: [ 1.514073] hub 1-1:1.0: 4 ports
detected
Aug 14 11:29:20 norns kernel: [ 1.515877] devtmpfs: mounted
Aug 14 11:29:20 norns kernel: [ 1.516745] Freeing unused kernel
memory: 1024K
Aug 14 11:29:20 norns kernel: [ 1.832019] usb 1-1.1: new high-speed
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USB device number 3 using dwc_otg
Aug 14 11:29:20 norns kernel: [    1.963187] usb 1-1.1: New USB device
found, idVendor=0bda, idProduct=8176
Aug 14 11:29:20 norns kernel: [    1.963194] usb 1-1.1: New USB device
strings: Mfr=1, Product=2, SerialNumber=3
Aug 14 11:29:20 norns kernel: [    1.963198] usb 1-1.1: Product:
802.11n WLAN Adapter
Aug 14 11:29:20 norns kernel: [    1.963203] usb 1-1.1: Manufacturer:
Realtek
Aug 14 11:29:20 norns kernel: [    1.963206] usb 1-1.1: SerialNumber:
00e04c000001
Aug 14 11:29:20 norns kernel: [    1.972220] NET: Registered protocol
family 10
Aug 14 11:29:20 norns kernel: [    1.972833] Segment Routing with IPv6
Aug 14 11:29:20 norns kernel: [    1.979050] ip_tables: (C) 2000-2006
Netfilter Core Team
Aug 14 11:29:20 norns kernel: [    1.993733] random: systemd:
uninitialized urandom read (16 bytes read)
Aug 14 11:29:20 norns kernel: [    2.024647] random: systemd:
uninitialized urandom read (16 bytes read)
Aug 14 11:29:20 norns kernel: [    2.039223] random: systemd-cryptse:
uninitialized urandom read (16 bytes read)
Aug 14 11:29:20 norns kernel: [    2.062047] usb 1-1.3: new full-speed
USB device number 4 using dwc_otg
Aug 14 11:29:20 norns kernel: [    2.216635] usb 1-1.3: New USB device
found, idVendor=0403, idProduct=6001
Aug 14 11:29:20 norns kernel: [    2.216643] usb 1-1.3: New USB device
strings: Mfr=1, Product=2, SerialNumber=3
Aug 14 11:29:20 norns kernel: [    2.216647] usb 1-1.3: Product:
monome
Aug 14 11:29:20 norns kernel: [    2.216651] usb 1-1.3: Manufacturer:
monome
Aug 14 11:29:20 norns kernel: [    2.216655] usb 1-1.3: SerialNumber:
m1000560
Aug 14 11:29:20 norns kernel: [    2.638999] EXT4-fs (mmcblk0p2): re-
mounted. Opts: (null)
Aug 14 11:29:20 norns kernel: [    2.853329] input: keys as /devices/
platform/keys/input/input0
Aug 14 11:29:20 norns kernel: [    2.874044] gpiomem-bcm2835
3f200000.gpiomem: Initialised: Registers at 0x3f200000
Aug 14 11:29:20 norns kernel: [    2.897697] rotary-encoder soc:knob3:
gray
Aug 14 11:29:20 norns kernel: [    2.904979] input: soc:knob3 as /
devices/platform/soc/soc:knob3/input/input1
Aug 14 11:29:20 norns kernel: [    2.905216] rotary-encoder soc:knob2:
gray
Aug 14 11:29:20 norns kernel: [    2.909111] input: soc:knob2 as /
devices/platform/soc/soc:knob2/input/input2
Aug 14 11:29:20 norns kernel: [    2.909498] rotary-encoder soc:knob1:
gray

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Aug 14 11:29:20 norns kernel: [ 2.912608] input: soc:knob1 as /
devices/platform/soc/soc:knob1/input/input3
Aug 14 11:29:20 norns kernel: [ 3.142600] usbcore: registered new
interface driver usbserial
Aug 14 11:29:20 norns kernel: [ 3.143747] usbcore: registered new
interface driver usbserial_generic
Aug 14 11:29:20 norns kernel: [ 3.143809] usbserial: USB Serial
support registered for generic
Aug 14 11:29:20 norns kernel: [ 3.151741] usbcore: registered new
interface driver ftdi_sio
Aug 14 11:29:20 norns kernel: [ 3.151774] usbserial: USB Serial
support registered for FTDI USB Serial Device
Aug 14 11:29:20 norns kernel: [ 3.151892] ftdi_sio 1-1.3:1.0: FTDI
USB Serial Device converter detected
Aug 14 11:29:20 norns kernel: [ 3.151963] usb 1-1.3: Detected
FT232RL
Aug 14 11:29:20 norns kernel: [ 3.154768] usb 1-1.3: FTDI USB
Serial Device converter now attached to ttyUSB0
Aug 14 11:29:20 norns kernel: [ 3.282205] rtl8192cu: Chip version
0x10
Aug 14 11:29:20 norns kernel: [ 3.325079] rtl8192cu: Board Type 0
Aug 14 11:29:20 norns kernel: [ 3.325166] rtl_usb: rx_max_size
15360, rx_urb_num 8, in_ep 1
Aug 14 11:29:20 norns kernel: [ 3.325241] rtl8192cu: Loading
firmware rtlwifi/rtl8192cufw_TMSC.bin
Aug 14 11:29:20 norns kernel: [ 3.345630] ieee80211 phy0: Selected
rate control algorithm 'rtl_rc'
Aug 14 11:29:20 norns kernel: [ 3.346372] usbcore: registered new
interface driver rtl8192cu
Aug 14 11:29:22 norns kernel: [ 6.545625] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 14 11:29:22 norns kernel: [ 6.547532] rtl8192cu: MAC auto ON
okay!
Aug 14 11:29:22 norns kernel: [ 6.565040] random: crng init done
Aug 14 11:29:22 norns kernel: [ 6.565049] random: 7 urandom
warning(s) missed due to ratelimiting
Aug 14 11:29:22 norns kernel: [ 6.569665] rtl8192cu: Tx queue
select: 0x05
Aug 14 11:29:23 norns kernel: [ 7.388460] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 14 11:29:24 norns kernel: [ 7.740552] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 14 11:29:26 norns kernel: [ 10.143621] wlan0: authenticate with
10:78:5b:a1:44:11
Aug 14 11:29:26 norns kernel: [ 10.172175] wlan0: send auth to
10:78:5b:a1:44:11 (try 1/3)
Aug 14 11:29:26 norns kernel: [ 10.197870] wlan0: authenticated
Aug 14 11:29:26 norns kernel: [ 10.202837] wlan0: associate with
10:78:5b:a1:44:11 (try 1/3)
Aug 14 11:29:26 norns kernel: [ 10.233523] wlan0: RX AssocResp from
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10:78:5b:a1:44:11 (capab=0x1411 status=0 aid=8)  
Aug 14 11:29:26 norns kernel: [ 10.238833] wlan0: associated  
Aug 14 11:29:26 norns kernel: [ 10.295616] IPv6:  
ADDRCONF(NETDEV\_CHANGE): wlan0: link becomes ready  
Aug 14 11:29:26 norns kernel: [ 10.333833] wlan0: Limiting TX power  
to 30 (30 - 0) dBm as advertised by 10:78:5b:a1:44:11  
Aug 15 11:14:34 norns kernel: [14985.764432] ftdi\_sio ttyUSB0:  
usb\_serial\_generic\_read\_bulk\_callback - urb stopped: -32  
Aug 15 11:14:34 norns kernel: [14985.764541] ftdi\_sio ttyUSB0:  
usb\_serial\_generic\_read\_bulk\_callback - urb stopped: -32  
Aug 15 11:14:34 norns kernel: [14985.926605] usb 1-1.3: USB  
disconnect, device number 4  
Aug 15 11:14:34 norns kernel: [14985.926779] ftdi\_sio ttyUSB0: error  
from flowcontrol urb  
Aug 15 11:14:34 norns kernel: [14985.926978] ftdi\_sio ttyUSB0: FTDI  
USB Serial Device converter now disconnected from ttyUSB0  
Aug 15 11:14:34 norns kernel: [14985.927010] ftdi\_sio 1-1.3:1.0:  
device disconnected  
Aug 15 11:15:10 norns kernel: [15021.810285] usb 1-1.3: new full-speed  
USB device number 5 using dwc\_otg  
Aug 15 11:15:10 norns kernel: [15021.963702] usb 1-1.3: New USB device  
found, idVendor=0403, idProduct=6001  
Aug 15 11:15:10 norns kernel: [15021.963711] usb 1-1.3: New USB device  
strings: Mfr=1, Product=2, SerialNumber=3  
Aug 15 11:15:10 norns kernel: [15021.963715] usb 1-1.3: Product:  
monome  
Aug 15 11:15:10 norns kernel: [15021.963720] usb 1-1.3: Manufacturer:  
monome  
Aug 15 11:15:10 norns kernel: [15021.963723] usb 1-1.3: SerialNumber:  
m1000560  
Aug 15 11:15:10 norns kernel: [15021.967439] ftdi\_sio 1-1.3:1.0: FTDI  
USB Serial Device converter detected  
Aug 15 11:15:10 norns kernel: [15021.967520] usb 1-1.3: Detected  
FT232RL  
Aug 15 11:15:10 norns kernel: [15021.968312] usb 1-1.3: FTDI USB  
Serial Device converter now attached to ttyUSB0  
Aug 15 11:58:51 norns kernel: [ 0.000000] Booting Linux on physical  
CPU 0x0  
Aug 15 11:58:51 norns kernel: [ 0.000000] Linux version 4.14.52-14-  
g00c5424 (root@fdacfdb9f6df) (gcc version 7.1.1 20170707 (Linaro GCC  
7.1-2017.08)) #3 SMP PREEMPT Tue Mar 19 04:07:52 UTC 2019  
Aug 15 11:58:51 norns kernel: [ 0.000000] CPU: ARMv7 Processor  
[410fd034] revision 4 (ARMv7), cr=10c5383d  
Aug 15 11:58:51 norns kernel: [ 0.000000] CPU: div instructions  
available: patching division code  
Aug 15 11:58:51 norns kernel: [ 0.000000] CPU: PIPT / VIPT  
nonaliasing data cache, VIPT aliasing instruction cache  
Aug 15 11:58:51 norns kernel: [ 0.000000] OF: fdt: Machine model:  
Raspberry Pi Compute Module 3 Rev 1.0  
Aug 15 11:58:51 norns kernel: [ 0.000000] Memory policy: Data cache

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writealloc
Aug 15 11:58:51 norons kernel: [ 0.000000] cma: Reserved 8 MiB at
0x3dc00000
Aug 15 11:58:51 norons kernel: [ 0.000000] On node 0 totalpages:
255488
Aug 15 11:58:51 norons kernel: [ 0.000000] free_area_init_node: node
0, pgdat 80a38dc0, node_mem_map bd336000
Aug 15 11:58:51 norons kernel: [ 0.000000] Normal zone: 2246 pages
used for memmap
Aug 15 11:58:51 norons kernel: [ 0.000000] Normal zone: 0 pages
reserved
Aug 15 11:58:51 norons kernel: [ 0.000000] Normal zone: 255488
pages, LIFO batch:31
Aug 15 11:58:51 norons kernel: [ 0.000000] percpu: Embedded 16
pages/cpu @be5a2000 s33932 r8192 d23412 u65536
Aug 15 11:58:51 norons kernel: [ 0.000000] pcpu-alloc: s33932 r8192
d23412 u65536 alloc=16*4096
Aug 15 11:58:51 norons kernel: [ 0.000000] pcpu-alloc: [0] 0 [0] 1
[0] 2 [0] 3
Aug 15 11:58:51 norons kernel: [ 0.000000] Built 1 zonelists,
mobility grouping on. Total pages: 253242
Aug 15 11:58:51 norons kernel: [ 0.000000] Kernel command line:
bcm2708_fb.fbwidth=656 bcm2708_fb.fbheight=416 bcm2708_fb.fbdepth=16
bcm2708_fb.fbswap=1 smsc95xx.macaddr=B8:27:EB:67:C9:F9
vc_mem.mem_base=0x3f000000 vc_mem.mem_size=0x3f600000 root=/dev/
mmbkl0p2 rootfstype=ext4 rootwait console=ttyAMA0,115200
consoleblank=0 fbcon=map:1 fsck.repair=yes quiet
Aug 15 11:58:51 norons kernel: [ 0.000000] PID hash table entries:
4096 (order: 2, 16384 bytes)
Aug 15 11:58:51 norons kernel: [ 0.000000] Dentry cache hash table
entries: 131072 (order: 7, 524288 bytes)
Aug 15 11:58:51 norons kernel: [ 0.000000] Inode-cache hash table
entries: 65536 (order: 6, 262144 bytes)
Aug 15 11:58:51 norons kernel: [ 0.000000] Memory: 993680K/1021952K
available (6144K kernel code, 234K rwddata, 1728K rodata, 1024K init,
396K bss, 20080K reserved, 8192K cma-reserved)
Aug 15 11:58:51 norons kernel: [ 0.000000] Virtual kernel memory
layout:
Aug 15 11:58:51 norons kernel: [ 0.000000] vector : 0xffff0000
- 0xffff1000 ( 4 kB)
Aug 15 11:58:51 norons kernel: [ 0.000000] fixmap : 0xffc00000
- 0xffff0000 (3072 kB)
Aug 15 11:58:51 norons kernel: [ 0.000000] vmalloc : 0xbe800000
- 0xff800000 (1040 MB)
Aug 15 11:58:51 norons kernel: [ 0.000000] lowmem : 0x80000000
- 0xbe600000 ( 998 MB)
Aug 15 11:58:51 norons kernel: [ 0.000000] modules : 0x7f000000
- 0x80000000 ( 16 MB)
Aug 15 11:58:51 norons kernel: [ 0.000000] .text : 0x80008000
- 0x80700000 (7136 kB)

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Aug 15 11:58:51 norons kernel: [ 0.000000] .init : 0x80900000
- 0x80a00000 (1024 kB)
Aug 15 11:58:51 norons kernel: [ 0.000000] .data : 0x80a00000
- 0x80a3aa88 ( 235 kB)
Aug 15 11:58:51 norons kernel: [ 0.000000] .bss : 0x80a41c7c
- 0x80aa4c94 ( 397 kB)
Aug 15 11:58:51 norons kernel: [ 0.000000] SLUB: HWalig=64,
Order=0-3, MinObjects=0, CPUs=4, Nodes=1
Aug 15 11:58:51 norons kernel: [ 0.000000] Preemptible hierarchical
RCU implementation.
Aug 15 11:58:51 norons kernel: [ 0.000000] Tasks RCU enabled.
Aug 15 11:58:51 norons kernel: [ 0.000000] NR_IRQS: 16, nr_irqs: 16,
preallocated irq: 16
Aug 15 11:58:51 norons kernel: [ 0.000000] arch_timer: cp15 timer(s)
running at 19.20MHz (phys).
Aug 15 11:58:51 norons kernel: [ 0.000000] clocksource:
arch_sys_counter: mask: 0xffffffffffffffff max_cycles: 0x46d987e47,
max_idle_ns: 440795202767 ns
Aug 15 11:58:51 norons kernel: [ 0.000007] sched_clock: 56 bits at
19MHz, resolution 52ns, wraps every 4398046511078ns
Aug 15 11:58:51 norons kernel: [ 0.000018] Switching to timer-based
delay loop, resolution 52ns
Aug 15 11:58:51 norons kernel: [ 0.000194] Console: colour dummy
device 80x30
Aug 15 11:58:51 norons kernel: [ 0.000216] Calibrating delay loop
(skipped), value calculated using timer frequency.. 38.40 BogoMIPS
(lpj=192000)
Aug 15 11:58:51 norons kernel: [ 0.000230] pid_max: default: 32768
minimum: 301
Aug 15 11:58:51 norons kernel: [ 0.000383] Mount-cache hash table
entries: 2048 (order: 1, 8192 bytes)
Aug 15 11:58:51 norons kernel: [ 0.000398] Mountpoint-cache hash
table entries: 2048 (order: 1, 8192 bytes)
Aug 15 11:58:51 norons kernel: [ 0.001266] Disabling memory control
group subsystem
Aug 15 11:58:51 norons kernel: [ 0.001333] CPU: Testing write buffer
coherency: ok
Aug 15 11:58:51 norons kernel: [ 0.001699] CPU0: thread -1, cpu 0,
socket 0, mpidr 80000000
Aug 15 11:58:51 norons kernel: [ 0.040039] Setting up static
identity map for 0x100000 - 0x100060
Aug 15 11:58:51 norons kernel: [ 0.060021] Hierarchical SRCU
implementation.
Aug 15 11:58:51 norons kernel: [ 0.100076] smp: Bringing up
secondary CPUs ...
Aug 15 11:58:51 norons kernel: [ 0.170459] CPU1: thread -1, cpu 1,
socket 0, mpidr 80000001
Aug 15 11:58:51 norons kernel: [ 0.240522] CPU2: thread -1, cpu 2,
socket 0, mpidr 80000002
Aug 15 11:58:51 norons kernel: [ 0.310619] CPU3: thread -1, cpu 3,

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socket 0, mpidr 80000003
Aug 15 11:58:51 norns kernel: [    0.310732] smp: Brought up 1 node, 4 CPUs
Aug 15 11:58:51 norns kernel: [    0.310743] SMP: Total of 4 processors activated (153.60 Bogomips).
Aug 15 11:58:51 norns kernel: [    0.310748] CPU: All CPU(s) started in HYP mode.
Aug 15 11:58:51 norns kernel: [    0.310752] CPU: Virtualization extensions available.
Aug 15 11:58:51 norns kernel: [    0.311792] devtmpfs: initialized
Aug 15 11:58:51 norns kernel: [    0.321347] random: get_random_u32 called from bucket_table_alloc+0x100/0x228 with crng_init=0
Aug 15 11:58:51 norns kernel: [    0.330911] VFP support v0.3: implementor 41 architecture 3 part 40 variant 3 rev 4
Aug 15 11:58:51 norns kernel: [    0.331128] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 19112604462750000 ns
Aug 15 11:58:51 norns kernel: [    0.331144] futex hash table entries: 1024 (order: 4, 65536 bytes)
Aug 15 11:58:51 norns kernel: [    0.331615] pinctrl core: initialized pinctrl subsystem
Aug 15 11:58:51 norns kernel: [    0.332330] NET: Registered protocol family 16
Aug 15 11:58:51 norns kernel: [    0.352370] DMA: preallocated 1024 KiB pool for atomic coherent allocations
Aug 15 11:58:51 norns kernel: [    0.356655] Serial: AMBA PL011 UART driver
Aug 15 11:58:51 norns kernel: [    0.358687] bcm2835-mbox 3f00b880.mailbox: mailbox enabled
Aug 15 11:58:51 norns kernel: [    0.387172] bcm2835-dma 3f007000.dma: DMA legacy API manager at be813000, dmachans=0x1
Aug 15 11:58:51 norns kernel: [    0.388506] SCSI subsystem initialized
Aug 15 11:58:51 norns kernel: [    0.388625] usbcore: registered new interface driver usbfs
Aug 15 11:58:51 norns kernel: [    0.388671] usbcore: registered new interface driver hub
Aug 15 11:58:51 norns kernel: [    0.388751] usbcore: registered new device driver usb
Aug 15 11:58:51 norns kernel: [    0.390681] raspberrypi-firmware soc:firmware: Attached to firmware from 2018-04-16 18:18
Aug 15 11:58:51 norns kernel: [    0.390885] Advanced Linux Sound Architecture Driver Initialized.
Aug 15 11:58:51 norns kernel: [    0.392023] clocksource: Switched to clocksource arch_sys_counter
Aug 15 11:58:51 norns kernel: [    0.392361] FS-Cache: Loaded
Aug 15 11:58:51 norns kernel: [    0.392515] CacheFiles: Loaded
Aug 15 11:58:51 norns kernel: [    0.400394] NET: Registered protocol family 2
Aug 15 11:58:51 norns kernel: [    0.401144] TCP established hash

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table entries: 8192 (order: 3, 32768 bytes)
Aug 15 11:58:51 norons kernel: [ 0.401253] TCP bind hash table
entries: 8192 (order: 4, 65536 bytes)
Aug 15 11:58:51 norons kernel: [ 0.401438] TCP: Hash tables
configured (established 8192 bind 8192)
Aug 15 11:58:51 norons kernel: [ 0.401562] UDP hash table entries:
512 (order: 2, 16384 bytes)
Aug 15 11:58:51 norons kernel: [ 0.401606] UDP-Lite hash table
entries: 512 (order: 2, 16384 bytes)
Aug 15 11:58:51 norons kernel: [ 0.401828] NET: Registered protocol
family 1
Aug 15 11:58:51 norons kernel: [ 0.402444] RPC: Registered named
UNIX socket transport module.
Aug 15 11:58:51 norons kernel: [ 0.402449] RPC: Registered udp
transport module.
Aug 15 11:58:51 norons kernel: [ 0.402454] RPC: Registered tcp
transport module.
Aug 15 11:58:51 norons kernel: [ 0.402458] RPC: Registered tcp
NFSv4.1 backchannel transport module.
Aug 15 11:58:51 norons kernel: [ 0.404120] workingset:
timestamp_bits=14 max_order=18 bucket_order=4
Aug 15 11:58:51 norons kernel: [ 0.411192] FS-Cache: Netfs 'nfs'
registered for caching
Aug 15 11:58:51 norons kernel: [ 0.411738] NFS: Registering the
id_resolver key type
Aug 15 11:58:51 norons kernel: [ 0.411767] Key type id_resolver
registered
Aug 15 11:58:51 norons kernel: [ 0.411772] Key type id_legacy
registered
Aug 15 11:58:51 norons kernel: [ 0.413585] Block layer SCSI generic
(bsg) driver version 0.4 loaded (major 251)
Aug 15 11:58:51 norons kernel: [ 0.413697] io scheduler noop
registered
Aug 15 11:58:51 norons kernel: [ 0.413703] io scheduler deadline
registered (default)
Aug 15 11:58:51 norons kernel: [ 0.413709] io scheduler mq-deadline
registered
Aug 15 11:58:51 norons kernel: [ 0.413715] io scheduler kyber
registered
Aug 15 11:58:51 norons kernel: [ 0.417959] bcm2835-rng 3f104000.rng:
hwrng registered
Aug 15 11:58:51 norons kernel: [ 0.418088] vc-mem: phys_addr:
0x00000000 mem_base=0x3f000000 mem_size=0x3f600000(1014 MiB)
Aug 15 11:58:51 norons kernel: [ 0.418535] vc-sm: Videocore shared
memory driver
Aug 15 11:58:51 norons kernel: [ 0.427032] loop: module loaded
Aug 15 11:58:51 norons kernel: [ 0.427385] spi-bcm2835 3f204000.spi:
could not get clk: -517
Aug 15 11:58:51 norons kernel: [ 0.427595] usbcore: registered new
interface driver smsc95xx

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Aug 15 11:58:51 norns kernel: [ 0.427610] dwc_otg: version 3.00a
10-AUG-2012 (platform bus)
Aug 15 11:58:51 norns kernel: [ 0.655620] Core Release: 2.80a
Aug 15 11:58:51 norns kernel: [ 0.655629] Setting default values
for core params
Aug 15 11:58:51 norns kernel: [ 0.655653] Finished setting default
values for core params
Aug 15 11:58:51 norns kernel: [ 0.855855] Using Buffer DMA mode
Aug 15 11:58:51 norns kernel: [ 0.855861] Periodic Transfer
Interrupt Enhancement - disabled
Aug 15 11:58:51 norns kernel: [ 0.855865] Multiprocessor Interrupt
Enhancement - disabled
Aug 15 11:58:51 norns kernel: [ 0.855872] OTG VER PARAM: 0, OTG VER
FLAG: 0
Aug 15 11:58:51 norns kernel: [ 0.855880] Dedicated Tx FIFOs mode
Aug 15 11:58:51 norns kernel: [ 0.856258] WARN::dwc_otg_hcd_init:
1046: FIQ DMA bounce buffers: virt = 0xbdd04000 dma = 0xfdd04000
len=9024
Aug 15 11:58:51 norns kernel: [ 0.856281] FIQ FSM acceleration
enabled for :
Aug 15 11:58:51 norns kernel: [ 0.856281] Non-periodic Split
Transactions
Aug 15 11:58:51 norns kernel: [ 0.856281] Periodic Split
Transactions
Aug 15 11:58:51 norns kernel: [ 0.856281] High-Speed Isochronous
Endpoints
Aug 15 11:58:51 norns kernel: [ 0.856281] Interrupt/Control Split
Transaction hack enabled
Aug 15 11:58:51 norns kernel: [ 0.856299] dwc_otg: Microframe
scheduler enabled
Aug 15 11:58:51 norns kernel: [ 0.856385] WARN::hcd_init_fiq:459:
FIQ on core 1 at 0x804ba0b0
Aug 15 11:58:51 norns kernel: [ 0.856395] WARN::hcd_init_fiq:460:
FIQ ASM at 0x804ba400 length 36
Aug 15 11:58:51 norns kernel: [ 0.856406] WARN::hcd_init_fiq:486:
MPHI regs_base at 0xbe81d000
Aug 15 11:58:51 norns kernel: [ 0.856457] dwc_otg 3f980000.usb: DWC
OTG Controller
Aug 15 11:58:51 norns kernel: [ 0.856484] dwc_otg 3f980000.usb: new
USB bus registered, assigned bus number 1
Aug 15 11:58:51 norns kernel: [ 0.856514] dwc_otg 3f980000.usb: irq
62, io mem 0x00000000
Aug 15 11:58:51 norns kernel: [ 0.856559] Init: Port Power?
op_state=1
Aug 15 11:58:51 norns kernel: [ 0.856564] Init: Power Port (0)
Aug 15 11:58:51 norns kernel: [ 0.856758] usb usb1: New USB device
found, idVendor=1d6b, idProduct=0002
Aug 15 11:58:51 norns kernel: [ 0.856768] usb usb1: New USB device
strings: Mfr=3, Product=2, SerialNumber=1
Aug 15 11:58:51 norns kernel: [ 0.856776] usb usb1: Product: DWC

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OTG Controller

Aug 15 11:58:51 norons kernel: [ 0.856783] usb usb1: Manufacturer: Linux 4.14.52-14-g00c5424 dwc\_otg\_hcd

Aug 15 11:58:51 norons kernel: [ 0.856791] usb usb1: SerialNumber: 3f980000.usb

Aug 15 11:58:51 norons kernel: [ 0.857346] hub 1-0:1.0: USB hub found

Aug 15 11:58:51 norons kernel: [ 0.857383] hub 1-0:1.0: 1 port detected

Aug 15 11:58:51 norons kernel: [ 0.857870] dwc\_otg: FIQ enabled

Aug 15 11:58:51 norons kernel: [ 0.857875] dwc\_otg: NAK holdoff enabled

Aug 15 11:58:51 norons kernel: [ 0.857880] dwc\_otg: FIQ split-transaction FSM enabled

Aug 15 11:58:51 norons kernel: [ 0.857889] Module dwc\_common\_port init

Aug 15 11:58:51 norons kernel: [ 0.858109] usbcore: registered new interface driver usb-storage

Aug 15 11:58:51 norons kernel: [ 0.858258] i2c /dev entries driver

Aug 15 11:58:51 norons kernel: [ 0.858629] IR NEC protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858635] IR RC5(x/sz) protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858639] IR RC6 protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858644] IR JVC protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858649] IR Sony protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858654] IR SANYO protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858658] IR Sharp protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858663] IR MCE Keyboard/mouse protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.858668] IR XMP protocol handler initialized

Aug 15 11:58:51 norons kernel: [ 0.859198] bcm2835-wdt 3f100000.watchdog: Broadcom BCM2835 watchdog timer

Aug 15 11:58:51 norons kernel: [ 0.859446] bcm2835-cpufreq: min=600000 max=1200000

Aug 15 11:58:51 norons kernel: [ 0.860954] sdhci: Secure Digital Host Controller Interface driver

Aug 15 11:58:51 norons kernel: [ 0.860956] sdhci: Copyright(c) Pierre Ossman

Aug 15 11:58:51 norons kernel: [ 0.861083] sdhost-bcm2835 3f202000.mmc: could not get clk, deferring probe

Aug 15 11:58:51 norons kernel: [ 0.861133] Error: Driver 'sdhost-bcm2835' is already registered, aborting...

Aug 15 11:58:51 norons kernel: [ 0.861139] sdhci-pltfm: SDHCI

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platform and OF driver helper
Aug 15 11:58:51 norons kernel: [ 0.861357] ledtrig-cpu: registered
to indicate activity on CPUs
Aug 15 11:58:51 norons kernel: [ 0.861392] hidraw: raw HID events
driver (C) Jiri Kosina
Aug 15 11:58:51 norons kernel: [ 0.861450] usbcore: registered new
interface driver usbhid
Aug 15 11:58:51 norons kernel: [ 0.861452] usbhid: USB HID core
driver
Aug 15 11:58:51 norons kernel: [ 0.861823] vchiq: vchiq_init_state:
slot_zero = bdd80000, is_master = 0
Aug 15 11:58:51 norons kernel: [ 0.862724] [vc_sm_connected_init]:
start
Aug 15 11:58:51 norons kernel: [ 0.865401] vc_vchi_sm_init: failed
to open VCHI service (-1)
Aug 15 11:58:51 norons kernel: [ 0.865405] [vc_sm_connected_init]:
failed to initialize shared memory service
Aug 15 11:58:51 norons kernel: [ 0.865417] [vc_sm_connected_init]:
end - returning -1
Aug 15 11:58:51 norons kernel: [ 0.865931] bcm2835-i2s 3f203000.i2s:
could not get clk: -517
Aug 15 11:58:51 norons kernel: [ 0.866035] snd-rpi-monome soc:sound:
ASoC: CPU DAI (null) not registered - will retry
Aug 15 11:58:51 norons kernel: [ 0.866040] snd-rpi-monome soc:sound:
snd_soc_register_card() failed (-517)
Aug 15 11:58:51 norons kernel: [ 0.866218] Initializing XFRM netlink
socket
Aug 15 11:58:51 norons kernel: [ 0.866230] NET: Registered protocol
family 17
Aug 15 11:58:51 norons kernel: [ 0.866283] Key type dns_resolver
registered
Aug 15 11:58:51 norons kernel: [ 0.866527] Registering SWP/SWPB
emulation handler
Aug 15 11:58:51 norons kernel: [ 0.866811] registered taskstats
version 1
Aug 15 11:58:51 norons kernel: [ 0.869890] uart-pl011
3f201000.serial: cts_event_workaround enabled
Aug 15 11:58:51 norons kernel: [ 0.869926] 3f201000.serial: ttyAMA0
at MMIO 0x3f201000 (irq = 87, base_baud = 0) is a PL011 rev2
Aug 15 11:58:51 norons kernel: [ 0.908490] console [ttyAMA0] enabled
Aug 15 11:58:51 norons kernel: [ 0.909548] fbtft_of_value: buswidth
= 8
Aug 15 11:58:51 norons kernel: [ 0.909552] fbtft_of_value: debug = 3
Aug 15 11:58:51 norons kernel: [ 0.909555] fbtft_of_value: rotate =
0
Aug 15 11:58:51 norons kernel: [ 0.909559] fbtft_of_value: fps = 20
Aug 15 11:58:51 norons kernel: [ 0.909585] fb_ssd1322 spi0.0:
fbtft_gamma_parse_str() str=
Aug 15 11:58:51 norons kernel: [ 0.909589] fb_ssd1322 spi0.0: 1 1 1
1 1 2 2 3 3 4 4 5 5 6 6

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Aug 15 11:58:51 norns kernel: [ 0.909622] fb_ssd1322 spi0.0:
fbtft_request_one_gpio: 'reset-gpios' = GPIO6
Aug 15 11:58:51 norns kernel: [ 0.909632] fb_ssd1322 spi0.0:
fbtft_request_one_gpio: 'dc-gpios' = GPIO5
Aug 15 11:58:51 norns kernel: [ 0.909658] fb_ssd1322 spi0.0:
fbtft_verify_gpios()
Aug 15 11:58:51 norns kernel: [ 0.909662] fb_ssd1322 spi0.0:
fbtft_reset()
Aug 15 11:58:51 norns kernel: [ 1.046681] fb_ssd1322 spi0.0:
Display update: 3594 kB/s, fps=0
Aug 15 11:58:51 norns kernel: [ 1.046686] fb_ssd1322 spi0.0:
set_gamma()
Aug 15 11:58:51 norns kernel: [ 1.046808] graphics fb0: fb_ssd1322
frame buffer, 128x64, 16 KiB video memory, 8 KiB buffer memory,
fps=20, spi0.0 at 16 MHz
Aug 15 11:58:51 norns kernel: [ 1.053180] cs4270 1-0048: 1-0048
supply va not found, using dummy regulator
Aug 15 11:58:51 norns kernel: [ 1.053223] cs4270 1-0048: 1-0048
supply vd not found, using dummy regulator
Aug 15 11:58:51 norns kernel: [ 1.053247] cs4270 1-0048: 1-0048
supply vlc not found, using dummy regulator
Aug 15 11:58:51 norns kernel: [ 1.053764] cs4270 1-0048: found
device at i2c address 48
Aug 15 11:58:51 norns kernel: [ 1.053768] cs4270 1-0048: hardware
revision 3
Aug 15 11:58:51 norns kernel: [ 1.054128] sdhost: log_buf @
bdd09000 (fdd09000)
Aug 15 11:58:51 norns kernel: [ 1.074793] Indeed it is in host mode
hprt0 = 00021501
Aug 15 11:58:51 norns kernel: [ 1.159802] random: fast init done
Aug 15 11:58:51 norns kernel: [ 1.162029] mmc0: sdhost-bcm2835
loaded - DMA enabled (>1)
Aug 15 11:58:51 norns kernel: [ 1.183857] snd-rpi-monome soc:sound:
cs4270-hifi <-> 3f203000.i2s mapping ok
Aug 15 11:58:51 norns kernel: [ 1.184948] hctosys: unable to open
rtc device (rtc0)
Aug 15 11:58:51 norns kernel: [ 1.184952] of_cfs_init
Aug 15 11:58:51 norns kernel: [ 1.185006] of_cfs_init: OK
Aug 15 11:58:51 norns kernel: [ 1.185231] ALSA device list:
Aug 15 11:58:51 norns kernel: [ 1.185234] #0: snd_rpi_monome
Aug 15 11:58:51 norns kernel: [ 1.185337] uart-pl011
3f201000.serial: no DMA platform data
Aug 15 11:58:51 norns kernel: [ 1.185404] Waiting for root device /
dev/mmcblk0p2...
Aug 15 11:58:51 norns kernel: [ 1.238115] mmc0: new high speed MMC
card at address 0001
Aug 15 11:58:51 norns kernel: [ 1.238366] mmcblk0: mmc0:0001 4FPD3R
3.64 GiB
Aug 15 11:58:51 norns kernel: [ 1.238470] mmcblk0boot0: mmc0:0001
4FPD3R partition 1 4.00 MiB

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Aug 15 11:58:51 norns kernel: [ 1.238581] mmcblk0boot1: mmc0:0001
4FPD3R partition 2 4.00 MiB
Aug 15 11:58:51 norns kernel: [ 1.238690] mmcblk0rpmb: mmc0:0001
4FPD3R partition 3 512 KiB
Aug 15 11:58:51 norns kernel: [ 1.239495] mmcblk0: p1 p2
Aug 15 11:58:51 norns kernel: [ 1.260393] EXT4-fs (mmcblk0p2):
mounted filesystem with ordered data mode. Opts: (null)
Aug 15 11:58:51 norns kernel: [ 1.260419] VFS: Mounted root (ext4
filesystem) readonly on device 179:2.
Aug 15 11:58:51 norns kernel: [ 1.267325] devtmpfs: mounted
Aug 15 11:58:51 norns kernel: [ 1.268189] Freeing unused kernel
memory: 1024K
Aug 15 11:58:51 norns kernel: [ 1.282036] usb 1-1: new high-speed
USB device number 2 using dwc_otg
Aug 15 11:58:51 norns kernel: [ 1.282280] Indeed it is in host mode
hprt0 = 00001101
Aug 15 11:58:51 norns kernel: [ 1.523311] usb 1-1: New USB device
found, idVendor=04b4, idProduct=6570
Aug 15 11:58:51 norns kernel: [ 1.523319] usb 1-1: New USB device
strings: Mfr=0, Product=1, SerialNumber=0
Aug 15 11:58:51 norns kernel: [ 1.523323] usb 1-1: Product: USB2.0
Hub
Aug 15 11:58:51 norns kernel: [ 1.523867] hub 1-1:1.0: USB hub
found
Aug 15 11:58:51 norns kernel: [ 1.524155] hub 1-1:1.0: 4 ports
detected
Aug 15 11:58:51 norns kernel: [ 1.738138] NET: Registered protocol
family 10
Aug 15 11:58:51 norns kernel: [ 1.738779] Segment Routing with IPv6
Aug 15 11:58:51 norns kernel: [ 1.745069] ip_tables: (C) 2000-2006
Netfilter Core Team
Aug 15 11:58:51 norns kernel: [ 1.759765] random: systemd:
uninitialized urandom read (16 bytes read)
Aug 15 11:58:51 norns kernel: [ 1.790504] random: systemd:
uninitialized urandom read (16 bytes read)
Aug 15 11:58:51 norns kernel: [ 1.802738] random: systemd-cryptse:
uninitialized urandom read (16 bytes read)
Aug 15 11:58:51 norns kernel: [ 1.842040] usb 1-1.1: new high-speed
USB device number 3 using dwc_otg
Aug 15 11:58:51 norns kernel: [ 1.973233] usb 1-1.1: New USB device
found, idVendor=0bda, idProduct=8176
Aug 15 11:58:51 norns kernel: [ 1.973240] usb 1-1.1: New USB device
strings: Mfr=1, Product=2, SerialNumber=3
Aug 15 11:58:51 norns kernel: [ 1.973244] usb 1-1.1: Product:
802.11n WLAN Adapter
Aug 15 11:58:51 norns kernel: [ 1.973248] usb 1-1.1: Manufacturer:
Realtek
Aug 15 11:58:51 norns kernel: [ 1.973252] usb 1-1.1: SerialNumber:
00e04c000001
Aug 15 11:58:51 norns kernel: [ 2.072123] usb 1-1.3: new full-speed

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USB device number 4 using dwc\_otg  
Aug 15 11:58:51 norns kernel: [ 2.228286] usb 1-1.3: New USB device found, idVendor=0403, idProduct=6001  
Aug 15 11:58:51 norns kernel: [ 2.228296] usb 1-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3  
Aug 15 11:58:51 norns kernel: [ 2.228300] usb 1-1.3: Product: monome  
Aug 15 11:58:51 norns kernel: [ 2.228304] usb 1-1.3: Manufacturer: monome  
Aug 15 11:58:51 norns kernel: [ 2.228308] usb 1-1.3: SerialNumber: m1000560  
Aug 15 11:58:51 norns kernel: [ 2.395783] EXT4-fs (mmcblk0p2): re-mounted. Opts: (null)  
Aug 15 11:58:51 norns kernel: [ 2.619458] input: keys as /devices/platform/keys/input/input0  
Aug 15 11:58:51 norns kernel: [ 2.628104] usbcore: registered new interface driver usbserial  
Aug 15 11:58:51 norns kernel: [ 2.628138] usbcore: registered new interface driver usbserial\_generic  
Aug 15 11:58:51 norns kernel: [ 2.628165] usbserial: USB Serial support registered for generic  
Aug 15 11:58:51 norns kernel: [ 2.637104] usbcore: registered new interface driver ftdi\_sio  
Aug 15 11:58:51 norns kernel: [ 2.637138] usbserial: USB Serial support registered for FTDI USB Serial Device  
Aug 15 11:58:51 norns kernel: [ 2.637254] ftdi\_sio 1-1.3:1.0: FTDI USB Serial Device converter detected  
Aug 15 11:58:51 norns kernel: [ 2.637320] usb 1-1.3: Detected FT232RL  
Aug 15 11:58:51 norns kernel: [ 2.638146] usb 1-1.3: FTDI USB Serial Device converter now attached to ttyUSB0  
Aug 15 11:58:51 norns kernel: [ 2.666325] gpiomem-bcm2835 3f200000.gpiomem: Initialised: Registers at 0x3f200000  
Aug 15 11:58:51 norns kernel: [ 2.693571] rotary-encoder soc:knob3: gray  
Aug 15 11:58:51 norns kernel: [ 2.700916] input: soc:knob3 as /devices/platform/soc/soc:knob3/input/input1  
Aug 15 11:58:51 norns kernel: [ 2.701115] rotary-encoder soc:knob2: gray  
Aug 15 11:58:51 norns kernel: [ 2.704824] input: soc:knob2 as /devices/platform/soc/soc:knob2/input/input2  
Aug 15 11:58:51 norns kernel: [ 2.705070] rotary-encoder soc:knob1: gray  
Aug 15 11:58:51 norns kernel: [ 2.707158] input: soc:knob1 as /devices/platform/soc/soc:knob1/input/input3  
Aug 15 11:58:51 norns kernel: [ 3.036430] rtl8192cu: Chip version 0x10  
Aug 15 11:58:51 norns kernel: [ 3.084596] rtl8192cu: Board Type 0  
Aug 15 11:58:51 norns kernel: [ 3.084730] rtl\_usb: rx\_max\_size 15360, rx\_urb\_num 8, in\_ep 1

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Aug 15 11:58:51 norns kernel: [ 3.084843] rtl8192cu: Loading
firmware rtlwifi/rtl8192cufw_TMSC.bin
Aug 15 11:58:51 norns kernel: [ 3.111136] ieee80211 phy0: Selected
rate control algorithm 'rtl_rc'
Aug 15 11:58:51 norns kernel: [ 3.111764] usbcore: registered new
interface driver rtl8192cu
Aug 15 11:58:54 norns kernel: [ 6.339137] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 15 11:58:54 norns kernel: [ 6.340898] rtl8192cu: MAC auto ON
okay!
Aug 15 11:58:54 norns kernel: [ 6.359606] rtl8192cu: Tx queue
select: 0x05
Aug 15 11:58:54 norns kernel: [ 6.364238] random: crng init done
Aug 15 11:58:54 norns kernel: [ 6.364246] random: 7 urandom
warning(s) missed due to ratelimiting
Aug 15 11:58:54 norns kernel: [ 7.174147] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 15 11:58:55 norns kernel: [ 7.497547] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 15 11:58:57 norns kernel: [ 9.913623] wlan0: authenticate with
10:78:5b:a1:44:11
Aug 15 11:58:57 norns kernel: [ 9.950032] wlan0: send auth to
10:78:5b:a1:44:11 (try 1/3)
Aug 15 11:58:57 norns kernel: [ 10.036507] wlan0: authenticated
Aug 15 11:58:57 norns kernel: [ 10.042093] wlan0: associate with
10:78:5b:a1:44:11 (try 1/3)
Aug 15 11:58:57 norns kernel: [ 10.049691] wlan0: RX AssocResp from
10:78:5b:a1:44:11 (capab=0x1411 status=0 aid=6)
Aug 15 11:58:57 norns kernel: [ 10.055975] wlan0: associated
Aug 15 11:58:57 norns kernel: [ 10.131423] wlan0: Limiting TX power
to 30 (30 - 0) dBm as advertised by 10:78:5b:a1:44:11
Aug 15 11:58:57 norns kernel: [ 10.133222] IPv6:
ADDRCONF(NETDEV_CHANGE): wlan0: link becomes ready
Aug 16 08:08:09 norns kernel: [ 117.201644] ftdi_sio ttyUSB0:
usb_serial_generic_read_bulk_callback - urb stopped: -32
Aug 16 08:08:09 norns kernel: [ 117.201749] ftdi_sio ttyUSB0:
usb_serial_generic_read_bulk_callback - urb stopped: -32
Aug 16 08:08:09 norns kernel: [ 117.456499] usb 1-1-port3: disabled
by hub (EMI?), re-enabling...
Aug 16 08:08:09 norns kernel: [ 117.456808] usb 1-1.3: USB
disconnect, device number 4
Aug 16 08:08:09 norns kernel: [ 117.456978] ftdi_sio ttyUSB0: error
from flowcontrol urb
Aug 16 08:08:09 norns kernel: [ 117.457167] ftdi_sio ttyUSB0: FTDI
USB Serial Device converter now disconnected from ttyUSB0
Aug 16 08:08:09 norns kernel: [ 117.457200] ftdi_sio 1-1.3:1.0:
device disconnected
Aug 16 08:08:09 norns kernel: [ 117.767445] usb 1-1.3: new full-speed
USB device number 5 using dwc_otg
Aug 16 08:08:09 norns kernel: [ 117.920896] usb 1-1.3: New USB device
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found, idVendor=0403, idProduct=6001
Aug 16 08:08:09 norns kernel: [ 117.920905] usb 1-1.3: New USB device
strings: Mfr=1, Product=2, SerialNumber=3
Aug 16 08:08:09 norns kernel: [ 117.920909] usb 1-1.3: Product:
monome
Aug 16 08:08:09 norns kernel: [ 117.920913] usb 1-1.3: Manufacturer:
monome
Aug 16 08:08:09 norns kernel: [ 117.920917] usb 1-1.3: SerialNumber:
m1000560
Aug 16 08:08:09 norns kernel: [ 117.924563] ftdi_sio 1-1.3:1.0: FTDI
USB Serial Device converter detected
Aug 16 08:08:09 norns kernel: [ 117.924644] usb 1-1.3: Detected
FT232RL
Aug 16 08:08:09 norns kernel: [ 117.925371] usb 1-1.3: FTDI USB
Serial Device converter now attached to ttyUSB0
Aug 16 12:19:07 norns kernel: [ 0.000000] Booting Linux on physical
CPU 0x0
Aug 16 12:19:07 norns kernel: [ 0.000000] Linux version 4.14.52-14-
g00c5424 (root@fdacfdb9f6df) (gcc version 7.1.1 20170707 (Linaro GCC
7.1-2017.08)) #3 SMP PREEMPT Tue Mar 19 04:07:52 UTC 2019
Aug 16 12:19:07 norns kernel: [ 0.000000] CPU: ARMv7 Processor
[410fd034] revision 4 (ARMv7), cr=10c5383d
Aug 16 12:19:07 norns kernel: [ 0.000000] CPU: div instructions
available: patching division code
Aug 16 12:19:07 norns kernel: [ 0.000000] CPU: PIPT / VIPT
nonaliasing data cache, VIPT aliasing instruction cache
Aug 16 12:19:07 norns kernel: [ 0.000000] OF: fdt: Machine model:
Raspberry Pi Compute Module 3 Rev 1.0
Aug 16 12:19:07 norns kernel: [ 0.000000] Memory policy: Data cache
writealloc
Aug 16 12:19:07 norns kernel: [ 0.000000] cma: Reserved 8 MiB at
0x3dc00000
Aug 16 12:19:07 norns kernel: [ 0.000000] On node 0 totalpages:
255488
Aug 16 12:19:07 norns kernel: [ 0.000000] free_area_init_node: node
0, pgdat 80a38dc0, node_mem_map bd336000
Aug 16 12:19:07 norns kernel: [ 0.000000] Normal zone: 2246 pages
used for memmap
Aug 16 12:19:07 norns kernel: [ 0.000000] Normal zone: 0 pages
reserved
Aug 16 12:19:07 norns kernel: [ 0.000000] Normal zone: 255488
pages, LIFO batch:31
Aug 16 12:19:07 norns kernel: [ 0.000000] percpu: Embedded 16
pages/cpu @be5a2000 s33932 r8192 d23412 u65536
Aug 16 12:19:07 norns kernel: [ 0.000000] pcpu-alloc: s33932 r8192
d23412 u65536 alloc=16*4096
Aug 16 12:19:07 norns kernel: [ 0.000000] pcpu-alloc: [0] 0 [0] 1
[0] 2 [0] 3
Aug 16 12:19:07 norns kernel: [ 0.000000] Built 1 zonelists,
mobility grouping on. Total pages: 253242
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Aug 16 12:19:07 norns kernel: [ 0.000000] Kernel command line:
bcm2708_fb.fbwidth=656 bcm2708_fb.fbheight=416 bcm2708_fb.fbdepth=16
bcm2708_fb.fbswap=1 smsc95xx.macaddr=B8:27:EB:67:C9:F9
vc_mem.mem_base=0x3f000000 vc_mem.mem_size=0x3f600000 root=/dev/
mmcblk0p2 rootfstype=ext4 rootwait console=ttyAMA0,115200
consoleblank=0 fbcon=map:1 fsck.repair=yes quiet
Aug 16 12:19:07 norns kernel: [ 0.000000] PID hash table entries:
4096 (order: 2, 16384 bytes)
Aug 16 12:19:07 norns kernel: [ 0.000000] Dentry cache hash table
entries: 131072 (order: 7, 524288 bytes)
Aug 16 12:19:07 norns kernel: [ 0.000000] Inode-cache hash table
entries: 65536 (order: 6, 262144 bytes)
Aug 16 12:19:07 norns kernel: [ 0.000000] Memory: 993680K/1021952K
available (6144K kernel code, 234K rwd data, 1728K rodata, 1024K init,
396K bss, 20080K reserved, 8192K cma-reserved)
Aug 16 12:19:07 norns kernel: [ 0.000000] Virtual kernel memory
layout:
Aug 16 12:19:07 norns kernel: [ 0.000000] vector : 0xffff0000
- 0xffff1000 ( 4 kB)
Aug 16 12:19:07 norns kernel: [ 0.000000] fixmap : 0xffc00000
- 0xfff00000 (3072 kB)
Aug 16 12:19:07 norns kernel: [ 0.000000] vmalloc : 0xbe800000
- 0xff800000 (1040 MB)
Aug 16 12:19:07 norns kernel: [ 0.000000] lowmem : 0x80000000
- 0xbe600000 ( 998 MB)
Aug 16 12:19:07 norns kernel: [ 0.000000] modules : 0x7f000000
- 0x80000000 ( 16 MB)
Aug 16 12:19:07 norns kernel: [ 0.000000] .text : 0x80008000
- 0x80700000 (7136 kB)
Aug 16 12:19:07 norns kernel: [ 0.000000] .init : 0x80900000
- 0x80a00000 (1024 kB)
Aug 16 12:19:07 norns kernel: [ 0.000000] .data : 0x80a00000
- 0x80a3aa88 ( 235 kB)
Aug 16 12:19:07 norns kernel: [ 0.000000] .bss : 0x80a41c7c
- 0x80aa4c94 ( 397 kB)
Aug 16 12:19:07 norns kernel: [ 0.000000] SLUB: HWalign=64,
Order=0-3, MinObjects=0, CPUs=4, Nodes=1
Aug 16 12:19:07 norns kernel: [ 0.000000] Preemptible hierarchical
RCU implementation.
Aug 16 12:19:07 norns kernel: [ 0.000000] Tasks RCU enabled.
Aug 16 12:19:07 norns kernel: [ 0.000000] NR_IRQS: 16, nr_irqs: 16,
preallocated irq: 16
Aug 16 12:19:07 norns kernel: [ 0.000000] arch_timer: cp15 timer(s)
running at 19.20MHz (phys).
Aug 16 12:19:07 norns kernel: [ 0.000000] clocksource:
arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x46d987e47,
max_idle_ns: 440795202767 ns
Aug 16 12:19:07 norns kernel: [ 0.000007] sched_clock: 56 bits at
19MHz, resolution 52ns, wraps every 4398046511078ns
Aug 16 12:19:07 norns kernel: [ 0.000017] Switching to timer-based

```

```

delay loop, resolution 52ns
Aug 16 12:19:07 norons kernel: [    0.000194] Console: colour dummy
device 80x30
Aug 16 12:19:07 norons kernel: [    0.000216] Calibrating delay loop
(skipped), value calculated using timer frequency.. 38.40 BogoMIPS
(lpj=192000)
Aug 16 12:19:07 norons kernel: [    0.000230] pid_max: default: 32768
minimum: 301
Aug 16 12:19:07 norons kernel: [    0.000383] Mount-cache hash table
entries: 2048 (order: 1, 8192 bytes)
Aug 16 12:19:07 norons kernel: [    0.000397] Mountpoint-cache hash
table entries: 2048 (order: 1, 8192 bytes)
Aug 16 12:19:07 norons kernel: [    0.001264] Disabling memory control
group subsystem
Aug 16 12:19:07 norons kernel: [    0.001331] CPU: Testing write buffer
coherency: ok
Aug 16 12:19:07 norons kernel: [    0.001697] CPU0: thread -1, cpu 0,
socket 0, mpidr 80000000
Aug 16 12:19:07 norons kernel: [    0.040038] Setting up static
identity map for 0x100000 - 0x100060
Aug 16 12:19:07 norons kernel: [    0.060020] Hierarchical SRCU
implementation.
Aug 16 12:19:07 norons kernel: [    0.100076] smp: Bringing up
secondary CPUs ...
Aug 16 12:19:07 norons kernel: [    0.170460] CPU1: thread -1, cpu 1,
socket 0, mpidr 80000001
Aug 16 12:19:07 norons kernel: [    0.240524] CPU2: thread -1, cpu 2,
socket 0, mpidr 80000002
Aug 16 12:19:07 norons kernel: [    0.310619] CPU3: thread -1, cpu 3,
socket 0, mpidr 80000003
Aug 16 12:19:07 norons kernel: [    0.310733] smp: Brought up 1 node, 4
CPUs
Aug 16 12:19:07 norons kernel: [    0.310744] SMP: Total of 4
processors activated (153.60 BogoMIPS).
Aug 16 12:19:07 norons kernel: [    0.310749] CPU: All CPU(s) started
in HYP mode.
Aug 16 12:19:07 norons kernel: [    0.310753] CPU: Virtualization
extensions available.
Aug 16 12:19:07 norons kernel: [    0.311708] devtmpfs: initialized
Aug 16 12:19:07 norons kernel: [    0.321244] random: get_random_u32
called from bucket_table_alloc+0x100/0x228 with crng_init=0
Aug 16 12:19:07 norons kernel: [    0.321937] VFP support v0.3:
implementor 41 architecture 3 part 40 variant 3 rev 4
Aug 16 12:19:07 norons kernel: [    0.322160] clocksource: jiffies:
mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns:
19112604462750000 ns
Aug 16 12:19:07 norons kernel: [    0.322176] futex hash table entries:
1024 (order: 4, 65536 bytes)
Aug 16 12:19:07 norons kernel: [    0.322646] pinctrl core: initialized
pinctrl subsystem

```

```

Aug 16 12:19:07 norns kernel: [    0.323360] NET: Registered protocol
family 16
Aug 16 12:19:07 norns kernel: [    0.342364] DMA: preallocated 1024
KiB pool for atomic coherent allocations
Aug 16 12:19:07 norns kernel: [    0.346665] Serial: AMBA PL011 UART
driver
Aug 16 12:19:07 norns kernel: [    0.348699] bcm2835-mbox
3f00b880.mailbox: mailbox enabled
Aug 16 12:19:07 norns kernel: [    0.377198] bcm2835-dma 3f007000.dma:
DMA legacy API manager at be813000, dmachans=0x1
Aug 16 12:19:07 norns kernel: [    0.378524] SCSI subsystem
initialized
Aug 16 12:19:07 norns kernel: [    0.378641] usbcore: registered new
interface driver usbfs
Aug 16 12:19:07 norns kernel: [    0.378687] usbcore: registered new
interface driver hub
Aug 16 12:19:07 norns kernel: [    0.378765] usbcore: registered new
device driver usb
Aug 16 12:19:07 norns kernel: [    0.380676] raspberrypi-firmware
soc:firmware: Attached to firmware from 2018-04-16 18:18
Aug 16 12:19:07 norns kernel: [    0.380878] Advanced Linux Sound
Architecture Driver Initialized.
Aug 16 12:19:07 norns kernel: [    0.382019] clocksource: Switched to
clocksource arch_sys_counter
Aug 16 12:19:07 norns kernel: [    0.382359] FS-Cache: Loaded
Aug 16 12:19:07 norns kernel: [    0.382506] CacheFiles: Loaded
Aug 16 12:19:07 norns kernel: [    0.390040] NET: Registered protocol
family 2
Aug 16 12:19:07 norns kernel: [    0.390900] TCP established hash
table entries: 8192 (order: 3, 32768 bytes)
Aug 16 12:19:07 norns kernel: [    0.391009] TCP bind hash table
entries: 8192 (order: 4, 65536 bytes)
Aug 16 12:19:07 norns kernel: [    0.391194] TCP: Hash tables
configured (established 8192 bind 8192)
Aug 16 12:19:07 norns kernel: [    0.391320] UDP hash table entries:
512 (order: 2, 16384 bytes)
Aug 16 12:19:07 norns kernel: [    0.391364] UDP-Lite hash table
entries: 512 (order: 2, 16384 bytes)
Aug 16 12:19:07 norns kernel: [    0.391587] NET: Registered protocol
family 1
Aug 16 12:19:07 norns kernel: [    0.391978] RPC: Registered named
UNIX socket transport module.
Aug 16 12:19:07 norns kernel: [    0.391984] RPC: Registered udp
transport module.
Aug 16 12:19:07 norns kernel: [    0.391989] RPC: Registered tcp
transport module.
Aug 16 12:19:07 norns kernel: [    0.391993] RPC: Registered tcp
NFSv4.1 backchannel transport module.
Aug 16 12:19:07 norns kernel: [    0.393878] workingset:
timestamp_bits=14 max_order=18 bucket_order=4

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Aug 16 12:19:07 norns kernel: [ 0.400946] FS-Cache: Netfs 'nfs'
registered for caching
Aug 16 12:19:07 norns kernel: [ 0.401504] NFS: Registering the
id_resolver key type
Aug 16 12:19:07 norns kernel: [ 0.401528] Key type id_resolver
registered
Aug 16 12:19:07 norns kernel: [ 0.401534] Key type id_legacy
registered
Aug 16 12:19:07 norns kernel: [ 0.403333] Block layer SCSI generic
(bsg) driver version 0.4 loaded (major 251)
Aug 16 12:19:07 norns kernel: [ 0.403449] io scheduler noop
registered
Aug 16 12:19:07 norns kernel: [ 0.403456] io scheduler deadline
registered (default)
Aug 16 12:19:07 norns kernel: [ 0.403462] io scheduler mq-deadline
registered
Aug 16 12:19:07 norns kernel: [ 0.403468] io scheduler kyber
registered
Aug 16 12:19:07 norns kernel: [ 0.407696] bcm2835-rng 3f104000.rng:
hwrng registered
Aug 16 12:19:07 norns kernel: [ 0.407825] vc-mem: phys_addr:
0x00000000 mem_base=0x3f000000 mem_size=0x3f600000(1014 MiB)
Aug 16 12:19:07 norns kernel: [ 0.408260] vc-sm: Videocore shared
memory driver
Aug 16 12:19:07 norns kernel: [ 0.416736] loop: module loaded
Aug 16 12:19:07 norns kernel: [ 0.417086] spi-bcm2835 3f204000.spi:
could not get clk: -517
Aug 16 12:19:07 norns kernel: [ 0.417295] usbcore: registered new
interface driver smsc95xx
Aug 16 12:19:07 norns kernel: [ 0.417309] dwc_otg: version 3.00a
10-AUG-2012 (platform bus)
Aug 16 12:19:07 norns kernel: [ 0.645319] Core Release: 2.80a
Aug 16 12:19:07 norns kernel: [ 0.645328] Setting default values
for core params
Aug 16 12:19:07 norns kernel: [ 0.645352] Finished setting default
values for core params
Aug 16 12:19:07 norns kernel: [ 0.845552] Using Buffer DMA mode
Aug 16 12:19:07 norns kernel: [ 0.845558] Periodic Transfer
Interrupt Enhancement - disabled
Aug 16 12:19:07 norns kernel: [ 0.845563] Multiprocessor Interrupt
Enhancement - disabled
Aug 16 12:19:07 norns kernel: [ 0.845570] OTG VER PARAM: 0, OTG VER
FLAG: 0
Aug 16 12:19:07 norns kernel: [ 0.845578] Dedicated Tx FIFOs mode
Aug 16 12:19:07 norns kernel: [ 0.845918] WARN::dwc_otg_hcd_init:
1046: FIQ DMA bounce buffers: virt = 0xbdd04000 dma = 0xfdd04000
len=9024
Aug 16 12:19:07 norns kernel: [ 0.845941] FIQ FSM acceleration
enabled for :
Aug 16 12:19:07 norns kernel: [ 0.845941] Non-periodic Split

```

## Transactions

Aug 16 12:19:07 norms kernel: [ 0.845941] Periodic Split Transactions  
Aug 16 12:19:07 norms kernel: [ 0.845941] High-Speed Isochronous Endpoints  
Aug 16 12:19:07 norms kernel: [ 0.845941] Interrupt/Control Split Transaction hack enabled  
Aug 16 12:19:07 norms kernel: [ 0.845947] dwc\_otg: Microframe scheduler enabled  
Aug 16 12:19:07 norms kernel: [ 0.845997] WARN::hcd\_init\_fiq:459: FIQ on core 1 at 0x804ba0b0  
Aug 16 12:19:07 norms kernel: [ 0.846007] WARN::hcd\_init\_fiq:460: FIQ ASM at 0x804ba400 length 36  
Aug 16 12:19:07 norms kernel: [ 0.846018] WARN::hcd\_init\_fiq:486: MPHI regs\_base at 0xbe81d000  
Aug 16 12:19:07 norms kernel: [ 0.846067] dwc\_otg 3f980000.usb: DWC OTG Controller  
Aug 16 12:19:07 norms kernel: [ 0.846095] dwc\_otg 3f980000.usb: new USB bus registered, assigned bus number 1  
Aug 16 12:19:07 norms kernel: [ 0.846124] dwc\_otg 3f980000.usb: irq 62, io mem 0x00000000  
Aug 16 12:19:07 norms kernel: [ 0.846168] Init: Port Power? op\_state=1  
Aug 16 12:19:07 norms kernel: [ 0.846173] Init: Power Port (0)  
Aug 16 12:19:07 norms kernel: [ 0.846367] usb usb1: New USB device found, idVendor=1d6b, idProduct=0002  
Aug 16 12:19:07 norms kernel: [ 0.846377] usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1  
Aug 16 12:19:07 norms kernel: [ 0.846385] usb usb1: Product: DWC OTG Controller  
Aug 16 12:19:07 norms kernel: [ 0.846393] usb usb1: Manufacturer: Linux 4.14.52-14-g00c5424 dwc\_otg\_hcd  
Aug 16 12:19:07 norms kernel: [ 0.846400] usb usb1: SerialNumber: 3f980000.usb  
Aug 16 12:19:07 norms kernel: [ 0.846959] hub 1-0:1.0: USB hub found  
Aug 16 12:19:07 norms kernel: [ 0.846995] hub 1-0:1.0: 1 port detected  
Aug 16 12:19:07 norms kernel: [ 0.847483] dwc\_otg: FIQ enabled  
Aug 16 12:19:07 norms kernel: [ 0.847488] dwc\_otg: NAK holdoff enabled  
Aug 16 12:19:07 norms kernel: [ 0.847493] dwc\_otg: FIQ split-transaction FSM enabled  
Aug 16 12:19:07 norms kernel: [ 0.847502] Module dwc\_common\_port init  
Aug 16 12:19:07 norms kernel: [ 0.847716] usbcore: registered new interface driver usb-storage  
Aug 16 12:19:07 norms kernel: [ 0.847867] i2c /dev entries driver  
Aug 16 12:19:07 norms kernel: [ 0.848249] IR NEC protocol handler initialized

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Aug 16 12:19:07 norns kernel: [ 0.848255] IR RC5(x/sz) protocol
handler initialized
Aug 16 12:19:07 norns kernel: [ 0.848259] IR RC6 protocol handler
initialized
Aug 16 12:19:07 norns kernel: [ 0.848264] IR JVC protocol handler
initialized
Aug 16 12:19:07 norns kernel: [ 0.848269] IR Sony protocol handler
initialized
Aug 16 12:19:07 norns kernel: [ 0.848274] IR SANYO protocol handler
initialized
Aug 16 12:19:07 norns kernel: [ 0.848278] IR Sharp protocol handler
initialized
Aug 16 12:19:07 norns kernel: [ 0.848283] IR MCE Keyboard/mouse
protocol handler initialized
Aug 16 12:19:07 norns kernel: [ 0.848288] IR XMP protocol handler
initialized
Aug 16 12:19:07 norns kernel: [ 0.848805] bcm2835-wdt
3f100000.watchdog: Broadcom BCM2835 watchdog timer
Aug 16 12:19:07 norns kernel: [ 0.849056] bcm2835-cpufreq:
min=600000 max=1200000
Aug 16 12:19:07 norns kernel: [ 0.850547] sdhci: Secure Digital
Host Controller Interface driver
Aug 16 12:19:07 norns kernel: [ 0.850550] sdhci: Copyright(c)
Pierre Ossman
Aug 16 12:19:07 norns kernel: [ 0.850677] sdhost-bcm2835
3f202000.mmc: could not get clk, deferring probe
Aug 16 12:19:07 norns kernel: [ 0.850726] Error: Driver 'sdhost-
bcm2835' is already registered, aborting...
Aug 16 12:19:07 norns kernel: [ 0.850733] sdhci-pltfm: SDHCI
platform and OF driver helper
Aug 16 12:19:07 norns kernel: [ 0.850944] ledtrig-cpu: registered
to indicate activity on CPUs
Aug 16 12:19:07 norns kernel: [ 0.850978] hidraw: raw HID events
driver (C) Jiri Kosina
Aug 16 12:19:07 norns kernel: [ 0.851033] usbcore: registered new
interface driver usbhid
Aug 16 12:19:07 norns kernel: [ 0.851035] usbhid: USB HID core
driver
Aug 16 12:19:07 norns kernel: [ 0.851418] vchiq: vchiq_init_state:
slot_zero = bdd80000, is_master = 0
Aug 16 12:19:07 norns kernel: [ 0.852287] [vc_sm_connected_init]:
start
Aug 16 12:19:07 norns kernel: [ 0.854958] vc_vchi_sm_init: failed
to open VCHI service (-1)
Aug 16 12:19:07 norns kernel: [ 0.854962] [vc_sm_connected_init]:
failed to initialize shared memory service
Aug 16 12:19:07 norns kernel: [ 0.854972] [vc_sm_connected_init]:
end - returning -1
Aug 16 12:19:07 norns kernel: [ 0.855482] bcm2835-i2s 3f203000.i2s:
could not get clk: -517

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Aug 16 12:19:07 norns kernel: [ 0.855586] snd-rpi-monome soc:sound:
ASoC: CPU DAI (null) not registered - will retry
Aug 16 12:19:07 norns kernel: [ 0.855592] snd-rpi-monome soc:sound:
snd_soc_register_card() failed (-517)
Aug 16 12:19:07 norns kernel: [ 0.855769] Initializing XFRM netlink
socket
Aug 16 12:19:07 norns kernel: [ 0.855781] NET: Registered protocol
family 17
Aug 16 12:19:07 norns kernel: [ 0.855833] Key type dns_resolver
registered
Aug 16 12:19:07 norns kernel: [ 0.856078] Registering SWP/SWPB
emulation handler
Aug 16 12:19:07 norns kernel: [ 0.856343] registered taskstats
version 1
Aug 16 12:19:07 norns kernel: [ 0.859427] uart-pl011
3f201000.serial: cts_event_workaround enabled
Aug 16 12:19:07 norns kernel: [ 0.859467] 3f201000.serial: ttyAMA0
at MMIO 0x3f201000 (irq = 87, base_baud = 0) is a PL011 rev2
Aug 16 12:19:07 norns kernel: [ 0.898088] console [ttyAMA0] enabled
Aug 16 12:19:07 norns kernel: [ 0.899102] fbtft_of_value: buswidth
= 8
Aug 16 12:19:07 norns kernel: [ 0.899107] fbtft_of_value: debug = 3
Aug 16 12:19:07 norns kernel: [ 0.899110] fbtft_of_value: rotate =
0
Aug 16 12:19:07 norns kernel: [ 0.899114] fbtft_of_value: fps = 20
Aug 16 12:19:07 norns kernel: [ 0.899140] fb_ssd1322 spi0.0:
fbtft_gamma_parse_str() str=
Aug 16 12:19:07 norns kernel: [ 0.899144] fb_ssd1322 spi0.0: 1 1 1
1 1 2 2 3 3 4 4 5 5 6 6
Aug 16 12:19:07 norns kernel: [ 0.899179] fb_ssd1322 spi0.0:
fbtft_request_one_gpio: 'reset-gpios' = GPIO6
Aug 16 12:19:07 norns kernel: [ 0.899189] fb_ssd1322 spi0.0:
fbtft_request_one_gpio: 'dc-gpios' = GPIO5
Aug 16 12:19:07 norns kernel: [ 0.899215] fb_ssd1322 spi0.0:
fbtft_verify_gpios()
Aug 16 12:19:07 norns kernel: [ 0.899219] fb_ssd1322 spi0.0:
fbtft_reset()
Aug 16 12:19:07 norns kernel: [ 1.036663] fb_ssd1322 spi0.0:
Display update: 3596 kB/s, fps=0
Aug 16 12:19:07 norns kernel: [ 1.036667] fb_ssd1322 spi0.0:
set_gamma()
Aug 16 12:19:07 norns kernel: [ 1.036792] graphics fb0: fb_ssd1322
frame buffer, 128x64, 16 KiB video memory, 8 KiB buffer memory,
fps=20, spi0.0 at 16 MHz
Aug 16 12:19:07 norns kernel: [ 1.043152] cs4270 1-0048: 1-0048
supply va not found, using dummy regulator
Aug 16 12:19:07 norns kernel: [ 1.043194] cs4270 1-0048: 1-0048
supply vd not found, using dummy regulator
Aug 16 12:19:07 norns kernel: [ 1.043218] cs4270 1-0048: 1-0048
supply vlc not found, using dummy regulator
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Aug 16 12:19:07 norns kernel: [ 1.043745] cs4270 1-0048: found
device at i2c address 48
Aug 16 12:19:07 norns kernel: [ 1.043749] cs4270 1-0048: hardware
revision 3
Aug 16 12:19:07 norns kernel: [ 1.046270] sdhost: log_buf @
bdd09000 (fdd09000)
Aug 16 12:19:07 norns kernel: [ 1.066935] Indeed it is in host mode
hprt0 = 00021501
Aug 16 12:19:07 norns kernel: [ 1.142026] mmc0: sdhost-bcm2835
loaded - DMA enabled (>1)
Aug 16 12:19:07 norns kernel: [ 1.163836] snd-rpi-monome soc:sound:
cs4270-hifi <=> 3f203000.i2s mapping ok
Aug 16 12:19:07 norns kernel: [ 1.164940] hctosys: unable to open
rtc device (rtc0)
Aug 16 12:19:07 norns kernel: [ 1.164943] of_cfs_init
Aug 16 12:19:07 norns kernel: [ 1.164995] of_cfs_init: OK
Aug 16 12:19:07 norns kernel: [ 1.165218] ALSA device list:
Aug 16 12:19:07 norns kernel: [ 1.165221] #0: snd_rpi_monome
Aug 16 12:19:07 norns kernel: [ 1.165324] uart-pl011
3f201000.serial: no DMA platform data
Aug 16 12:19:07 norns kernel: [ 1.165393] Waiting for root device /
dev/mmcblk0p2...
Aug 16 12:19:07 norns kernel: [ 1.171255] random: fast init done
Aug 16 12:19:07 norns kernel: [ 1.218182] mmc0: new high speed MMC
card at address 0001
Aug 16 12:19:07 norns kernel: [ 1.218437] mmcblk0: mmc0:0001 4FPD3R
3.64 GiB
Aug 16 12:19:07 norns kernel: [ 1.218548] mmcblk0boot0: mmc0:0001
4FPD3R partition 1 4.00 MiB
Aug 16 12:19:07 norns kernel: [ 1.218664] mmcblk0boot1: mmc0:0001
4FPD3R partition 2 4.00 MiB
Aug 16 12:19:07 norns kernel: [ 1.218781] mmcblk0rpmb: mmc0:0001
4FPD3R partition 3 512 KiB
Aug 16 12:19:07 norns kernel: [ 1.219696] mmcblk0: p1 p2
Aug 16 12:19:07 norns kernel: [ 1.240195] EXT4-fs (mmcblk0p2):
mounted filesystem with ordered data mode. Opts: (null)
Aug 16 12:19:07 norns kernel: [ 1.240223] VFS: Mounted root (ext4
filesystem) readonly on device 179:2.
Aug 16 12:19:07 norns kernel: [ 1.246964] devtmpfs: mounted
Aug 16 12:19:07 norns kernel: [ 1.247815] Freeing unused kernel
memory: 1024K
Aug 16 12:19:07 norns kernel: [ 1.272031] usb 1-1: new high-speed
USB device number 2 using dwc_otg
Aug 16 12:19:07 norns kernel: [ 1.272275] Indeed it is in host mode
hprt0 = 00001101
Aug 16 12:19:07 norns kernel: [ 1.513305] usb 1-1: New USB device
found, idVendor=04b4, idProduct=6570
Aug 16 12:19:07 norns kernel: [ 1.513313] usb 1-1: New USB device
strings: Mfr=0, Product=1, SerialNumber=0
Aug 16 12:19:07 norns kernel: [ 1.513317] usb 1-1: Product: USB2.0

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Hub

Aug 16 12:19:07 norns kernel: [ 1.513850] hub 1-1:1.0: USB hub found

Aug 16 12:19:07 norns kernel: [ 1.514138] hub 1-1:1.0: 4 ports detected

Aug 16 12:19:07 norns kernel: [ 1.716820] NET: Registered protocol family 10

Aug 16 12:19:07 norns kernel: [ 1.717492] Segment Routing with IPv6

Aug 16 12:19:07 norns kernel: [ 1.723741] ip\_tables: (C) 2000-2006 Netfilter Core Team

Aug 16 12:19:07 norns kernel: [ 1.738548] random: systemd: uninitialized urandom read (16 bytes read)

Aug 16 12:19:07 norns kernel: [ 1.769397] random: systemd: uninitialized urandom read (16 bytes read)

Aug 16 12:19:07 norns kernel: [ 1.785252] random: systemd-sysv-ge: uninitialized urandom read (16 bytes read)

Aug 16 12:19:07 norns kernel: [ 1.832056] usb 1-1.1: new high-speed USB device number 3 using dwc\_otg

Aug 16 12:19:07 norns kernel: [ 1.963279] usb 1-1.1: New USB device found, idVendor=0bda, idProduct=8176

Aug 16 12:19:07 norns kernel: [ 1.963286] usb 1-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3

Aug 16 12:19:07 norns kernel: [ 1.963290] usb 1-1.1: Product: 802.11n WLAN Adapter

Aug 16 12:19:07 norns kernel: [ 1.963294] usb 1-1.1: Manufacturer: Realtek

Aug 16 12:19:07 norns kernel: [ 1.963298] usb 1-1.1: SerialNumber: 00e04c000001

Aug 16 12:19:07 norns kernel: [ 2.062083] usb 1-1.3: new full-speed USB device number 4 using dwc\_otg

Aug 16 12:19:07 norns kernel: [ 2.216702] usb 1-1.3: New USB device found, idVendor=0403, idProduct=6001

Aug 16 12:19:07 norns kernel: [ 2.216712] usb 1-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3

Aug 16 12:19:07 norns kernel: [ 2.216717] usb 1-1.3: Product: monome

Aug 16 12:19:07 norns kernel: [ 2.216721] usb 1-1.3: Manufacturer: monome

Aug 16 12:19:07 norns kernel: [ 2.216725] usb 1-1.3: SerialNumber: m1000560

Aug 16 12:19:07 norns kernel: [ 2.372274] EXT4-fs (mmcblk0p2): re-mounted. Opts: (null)

Aug 16 12:19:07 norns kernel: [ 2.595001] input: keys as /devices/platform/keys/input/input0

Aug 16 12:19:07 norns kernel: [ 2.630510] usbcore: registered new interface driver usbserial

Aug 16 12:19:07 norns kernel: [ 2.630546] usbcore: registered new interface driver usbserial\_generic

Aug 16 12:19:07 norns kernel: [ 2.630577] usbserial: USB Serial support registered for generic

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Aug 16 12:19:07 norns kernel: [ 2.638383] usbcore: registered new
interface driver ftdi_sio
Aug 16 12:19:07 norns kernel: [ 2.638417] usbserial: USB Serial
support registered for FTDI USB Serial Device
Aug 16 12:19:07 norns kernel: [ 2.638535] ftdi_sio 1-1.3:1.0: FTDI
USB Serial Device converter detected
Aug 16 12:19:07 norns kernel: [ 2.638614] usb 1-1.3: Detected
FT232RL
Aug 16 12:19:07 norns kernel: [ 2.643773] usb 1-1.3: FTDI USB
Serial Device converter now attached to ttyUSB0
Aug 16 12:19:07 norns kernel: [ 2.663992] gpiomem-bcm2835
3f200000.gpiomem: Initialised: Registers at 0x3f200000
Aug 16 12:19:07 norns kernel: [ 2.677594] rotary-encoder soc:knob3:
gray
Aug 16 12:19:07 norns kernel: [ 2.685907] input: soc:knob3 as /
devices/platform/soc/soc:knob3/input/input1
Aug 16 12:19:07 norns kernel: [ 2.686174] rotary-encoder soc:knob2:
gray
Aug 16 12:19:07 norns kernel: [ 2.695086] input: soc:knob2 as /
devices/platform/soc/soc:knob2/input/input2
Aug 16 12:19:07 norns kernel: [ 2.695303] rotary-encoder soc:knob1:
gray
Aug 16 12:19:07 norns kernel: [ 2.702306] input: soc:knob1 as /
devices/platform/soc/soc:knob1/input/input3
Aug 16 12:19:07 norns kernel: [ 2.947834] rtl8192cu: Chip version
0x10
Aug 16 12:19:07 norns kernel: [ 2.991217] rtl8192cu: Board Type 0
Aug 16 12:19:07 norns kernel: [ 2.991308] rtl_usb: rx_max_size
15360, rx_urb_num 8, in_ep 1
Aug 16 12:19:07 norns kernel: [ 2.991384] rtl8192cu: Loading
firmware rtlwifi/rtl8192cufw_TMSC.bin
Aug 16 12:19:07 norns kernel: [ 3.019255] ieee80211 phy0: Selected
rate control algorithm 'rtl_rc'
Aug 16 12:19:07 norns kernel: [ 3.019893] usbcore: registered new
interface driver rtl8192cu
Aug 16 12:19:09 norns kernel: [ 6.091168] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 16 12:19:09 norns kernel: [ 6.092856] rtl8192cu: MAC auto ON
okay!
Aug 16 12:19:09 norns kernel: [ 6.110248] rtl8192cu: Tx queue
select: 0x05
Aug 16 12:19:09 norns kernel: [ 6.119294] random: crng init done
Aug 16 12:19:09 norns kernel: [ 6.119302] random: 7 urandom
warning(s) missed due to ratelimiting
Aug 16 12:19:10 norns kernel: [ 6.965770] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 16 12:19:11 norns kernel: [ 7.319644] IPv6:
ADDRCONF(NETDEV_UP): wlan0: link is not ready
Aug 16 12:19:13 norns kernel: [ 9.713606] wlan0: authenticate with
10:78:5b:a1:44:11
```

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Aug 16 12:19:13 norns kernel: [ 9.741066] wlan0: send auth to
10:78:5b:a1:44:11 (try 1/3)
Aug 16 12:19:13 norns kernel: [ 9.852069] wlan0: send auth to
10:78:5b:a1:44:11 (try 2/3)
Aug 16 12:19:13 norns kernel: [ 9.867111] wlan0: authenticated
Aug 16 12:19:13 norns kernel: [ 9.872225] wlan0: associate with
10:78:5b:a1:44:11 (try 1/3)
Aug 16 12:19:13 norns kernel: [ 9.982056] wlan0: associate with
10:78:5b:a1:44:11 (try 2/3)
Aug 16 12:19:13 norns kernel: [ 9.991595] wlan0: RX AssocResp from
10:78:5b:a1:44:11 (capab=0x1411 status=0 aid=7)
Aug 16 12:19:13 norns kernel: [ 9.996274] wlan0: associated
Aug 16 12:19:13 norns kernel: [ 9.996484] wlan0: Limiting TX power
to 30 (30 - 0) dBm as advertised by 10:78:5b:a1:44:11
Aug 16 12:19:13 norns kernel: [ 10.085461] IPv6:
ADDRCONF(NETDEV_CHANGE): wlan0: link becomes ready
Aug 17 11:05:44 norns kernel: [ 3123.619830] ftdi_sio ttyUSB0:
usb_serial_generic_read_bulk_callback - urb stopped: -32
Aug 17 11:05:44 norns kernel: [ 3123.619944] ftdi_sio ttyUSB0:
usb_serial_generic_read_bulk_callback - urb stopped: -32
Aug 17 11:05:44 norns kernel: [ 3123.654315] usb 1-1-port3: disabled
by hub (EMI?), re-enabling...
Aug 17 11:05:44 norns kernel: [ 3123.654627] usb 1-1.3: USB
disconnect, device number 4
Aug 17 11:05:44 norns kernel: [ 3123.654797] ftdi_sio ttyUSB0: error
from flowcontrol urb
Aug 17 11:05:44 norns kernel: [ 3123.654994] ftdi_sio ttyUSB0: FTDI
USB Serial Device converter now disconnected from ttyUSB0
Aug 17 11:05:44 norns kernel: [ 3123.655028] ftdi_sio 1-1.3:1.0:
device disconnected
Aug 17 11:05:45 norns kernel: [ 3123.949238] usb 1-1.3: new full-speed
USB device number 5 using dwc_otg
Aug 17 11:05:45 norns kernel: [ 3124.104084] usb 1-1.3: New USB device
found, idVendor=0403, idProduct=6001
Aug 17 11:05:45 norns kernel: [ 3124.104094] usb 1-1.3: New USB device
strings: Mfr=1, Product=2, SerialNumber=3
Aug 17 11:05:45 norns kernel: [ 3124.104098] usb 1-1.3: Product:
monome
Aug 17 11:05:45 norns kernel: [ 3124.104102] usb 1-1.3: Manufacturer:
monome
Aug 17 11:05:45 norns kernel: [ 3124.104106] usb 1-1.3: SerialNumber:
m1000560
Aug 17 11:05:45 norns kernel: [ 3124.107969] ftdi_sio 1-1.3:1.0: FTDI
USB Serial Device converter detected
Aug 17 11:05:45 norns kernel: [ 3124.108051] usb 1-1.3: Detected
FT232RL
Aug 17 11:05:45 norns kernel: [ 3124.108844] usb 1-1.3: FTDI USB
Serial Device converter now attached to ttyUSB0
Aug 17 11:05:46 norns kernel: [ 3124.831955] ftdi_sio ttyUSB0:
usb_serial_generic_read_bulk_callback - urb stopped: -32

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Aug 17 11:05:46 norns kernel: [ 3124.832073] ftdi_sio ttyUSB0:
usb_serial_generic_read_bulk_callback - urb stopped: -32
Aug 17 11:05:46 norns kernel: [ 3124.934321] usb 1-1-port3: disabled
by hub (EMI?), re-enabling...
Aug 17 11:05:46 norns kernel: [ 3124.934634] usb 1-1.3: USB
disconnect, device number 5
Aug 17 11:05:46 norns kernel: [ 3124.934804] ftdi_sio ttyUSB0: error
from flowcontrol urb
Aug 17 11:05:46 norns kernel: [ 3124.934992] ftdi_sio ttyUSB0: FTDI
USB Serial Device converter now disconnected from ttyUSB0
Aug 17 11:05:46 norns kernel: [ 3124.935024] ftdi_sio 1-1.3:1.0:
device disconnected
Aug 17 11:05:46 norns kernel: [ 3125.229252] usb 1-1.3: new full-speed
USB device number 6 using dwc_otg
Aug 17 11:05:46 norns kernel: [ 3125.383960] usb 1-1.3: New USB device
found, idVendor=0403, idProduct=6001
Aug 17 11:05:46 norns kernel: [ 3125.383969] usb 1-1.3: New USB device
strings: Mfr=1, Product=2, SerialNumber=3
Aug 17 11:05:46 norns kernel: [ 3125.383973] usb 1-1.3: Product:
monome
Aug 17 11:05:46 norns kernel: [ 3125.383977] usb 1-1.3: Manufacturer:
monome
Aug 17 11:05:46 norns kernel: [ 3125.383981] usb 1-1.3: SerialNumber:
m1000560
Aug 17 11:05:46 norns kernel: [ 3125.387865] ftdi_sio 1-1.3:1.0: FTDI
USB Serial Device converter detected
Aug 17 11:05:46 norns kernel: [ 3125.387950] usb 1-1.3: Detected
FT232RL
Aug 17 11:05:46 norns kernel: [ 3125.388760] usb 1-1.3: FTDI USB
Serial Device converter now attached to ttyUSB0
Aug 17 12:32:45 norns kernel: [ 0.000000] Booting Linux on physical
CPU 0x0
Aug 17 12:32:45 norns kernel: [ 0.000000] Linux version 4.14.52-14-
g00c5424 (root@fdacfdb9f6df) (gcc version 7.1.1 20170707 (Linaro GCC
7.1-2017.08)) #3 SMP PREEMPT Tue Mar 19 04:07:52 UTC 2019
Aug 17 12:32:45 norns kernel: [ 0.000000] CPU: ARMv7 Processor
[410fd034] revision 4 (ARMv7), cr=10c5383d
Aug 17 12:32:45 norns kernel: [ 0.000000] CPU: div instructions
available: patching division code
Aug 17 12:32:45 norns kernel: [ 0.000000] CPU: PIPT / VIPT
nonaliasing data cache, VIPT aliasing instruction cache
Aug 17 12:32:45 norns kernel: [ 0.000000] OF: fdt: Machine model:
Raspberry Pi Compute Module 3 Rev 1.0
Aug 17 12:32:45 norns kernel: [ 0.000000] Memory policy: Data cache
writealloc
Aug 17 12:32:45 norns kernel: [ 0.000000] cma: Reserved 8 MiB at
0x3dc00000
Aug 17 12:32:45 norns kernel: [ 0.000000] On node 0 totalpages:
255488
Aug 17 12:32:45 norns kernel: [ 0.000000] free_area_init_node: node

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0, pgdat 80a38dc0, node_mem_map bd336000
Aug 17 12:32:45 norms kernel: [ 0.000000] Normal zone: 2246 pages
used for memmap
Aug 17 12:32:45 norms kernel: [ 0.000000] Normal zone: 0 pages
reserved
Aug 17 12:32:45 norms kernel: [ 0.000000] Normal zone: 255488
pages, LIFO batch:31
Aug 17 12:32:45 norms kernel: [ 0.000000] percpu: Embedded 16
pages/cpu @be5a2000 s33932 r8192 d23412 u65536
Aug 17 12:32:45 norms kernel: [ 0.000000] pcpu-alloc: s33932 r8192
d23412 u65536 alloc=16*4096
Aug 17 12:32:45 norms kernel: [ 0.000000] pcpu-alloc: [0] 0 [0] 1
[0] 2 [0] 3
Aug 17 12:32:45 norms kernel: [ 0.000000] Built 1 zonelists,
mobility grouping on. Total pages: 253242
Aug 17 12:32:45 norms kernel: [ 0.000000] Kernel command line:
bcm2708_fb.fbwidth=656 bcm2708_fb.fbheight=416 bcm2708_fb.fbdepth=16
bcm2708_fb.fbswap=1 smsc95xx.macaddr=B8:27:EB:67:C9:F9
vc_mem.mem_base=0x3f000000 vc_mem.mem_size=0x3f600000 root=/dev/
mmcblk0p2 rootfstype=ext4 rootwait console=ttyAMA0,115200
consoleblank=0 fbcon=map:1 fsck.repair=yes quiet
Aug 17 12:32:45 norms kernel: [ 0.000000] PID hash table entries:
4096 (order: 2, 16384 bytes)
Aug 17 12:32:45 norms kernel: [ 0.000000] Dentry cache hash table
entries: 131072 (order: 7, 524288 bytes)
Aug 17 12:32:45 norms kernel: [ 0.000000] Inode-cache hash table
entries: 65536 (order: 6, 262144 bytes)
Aug 17 12:32:45 norms kernel: [ 0.000000] Memory: 993680K/1021952K
available (6144K kernel code, 234K rwd data, 1728K rodata, 1024K init,
396K bss, 20080K reserved, 8192K cma-reserved)
Aug 17 12:32:45 norms kernel: [ 0.000000] Virtual kernel memory
layout:
Aug 17 12:32:45 norms kernel: [ 0.000000] vector : 0xffff0000
- 0xffff1000 ( 4 kB)
Aug 17 12:32:45 norms kernel: [ 0.000000] fixmap : 0xffc00000
- 0xfff00000 (3072 kB)
Aug 17 12:32:45 norms kernel: [ 0.000000] vmalloc : 0xbe800000
- 0xff800000 (1040 MB)
Aug 17 12:32:45 norms kernel: [ 0.000000] lowmem : 0x80000000
- 0xbe600000 ( 998 MB)
Aug 17 12:32:45 norms kernel: [ 0.000000] modules : 0x7f000000
- 0x80000000 ( 16 MB)
Aug 17 12:32:45 norms kernel: [ 0.000000] .text : 0x80008000
- 0x80700000 (7136 kB)
Aug 17 12:32:45 norms kernel: [ 0.000000] .init : 0x80900000
- 0x80a00000 (1024 kB)
Aug 17 12:32:45 norms kernel: [ 0.000000] .data : 0x80a00000
- 0x80a3aa88 ( 235 kB)
Aug 17 12:32:45 norms kernel: [ 0.000000] .bss : 0x80a41c7c
- 0x80aa4c94 ( 397 kB)

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Aug 17 12:32:45 norns kernel: [ 0.000000] SLUB: HWalign=64,
Order=0-3, MinObjects=0, CPUs=4, Nodes=1
Aug 17 12:32:45 norns kernel: [ 0.000000] Preemptible hierarchical
RCU implementation.
Aug 17 12:32:45 norns kernel: [ 0.000000] Tasks RCU enabled.
Aug 17 12:32:45 norns kernel: [ 0.000000] NR_IRQS: 16, nr_irqs: 16,
preallocated irq: 16
Aug 17 12:32:45 norns kernel: [ 0.000000] arch_timer: cp15 timer(s)
running at 19.20MHz (phys).
Aug 17 12:32:45 norns kernel: [ 0.000000] clocksource:
arch_sys_counter: mask: 0xffffffffffffff max_cycles: 0x46d987e47,
max_idle_ns: 440795202767 ns
Aug 17 12:32:45 norns kernel: [ 0.000006] sched_clock: 56 bits at
19MHz, resolution 52ns, wraps every 4398046511078ns
Aug 17 12:32:45 norns kernel: [ 0.000017] Switching to timer-based
delay loop, resolution 52ns
Aug 17 12:32:45 norns kernel: [ 0.000195] Console: colour dummy
device 80x30
Aug 17 12:32:45 norns kernel: [ 0.000217] Calibrating delay loop
(skipped), value calculated using timer frequency.. 38.40 BogoMIPS
(lpj=192000)
Aug 17 12:32:45 norns kernel: [ 0.000231] pid_max: default: 32768
minimum: 301
Aug 17 12:32:45 norns kernel: [ 0.000383] Mount-cache hash table
entries: 2048 (order: 1, 8192 bytes)
Aug 17 12:32:45 norns kernel: [ 0.000397] Mountpoint-cache hash
table entries: 2048 (order: 1, 8192 bytes)
Aug 17 12:32:45 norns kernel: [ 0.001271] Disabling memory control
group subsystem
Aug 17 12:32:45 norns kernel: [ 0.001338] CPU: Testing write buffer
coherency: ok
Aug 17 12:32:45 norns kernel: [ 0.001703] CPU0: thread -1, cpu 0,
socket 0, mpidr 80000000
Aug 17 12:32:45 norns kernel: [ 0.040039] Setting up static
identity map for 0x100000 - 0x100060
Aug 17 12:32:45 norns kernel: [ 0.060019] Hierarchical SRCU
implementation.
Aug 17 12:32:45 norns kernel: [ 0.100076] smp: Bringing up
secondary CPUs ...
Aug 17 12:32:45 norns kernel: [ 0.170462] CPU1: thread -1, cpu 1,
socket 0, mpidr 80000001
Aug 17 12:32:45 norns kernel: [ 0.240521] CPU2: thread -1, cpu 2,
socket 0, mpidr 80000002
Aug 17 12:32:45 norns kernel: [ 0.310620] CPU3: thread -1, cpu 3,
socket 0, mpidr 80000003
Aug 17 12:32:45 norns kernel: [ 0.310733] smp: Brought up 1 node, 4
CPUs
Aug 17 12:32:45 norns kernel: [ 0.310743] SMP: Total of 4
processors activated (153.60 BogoMIPS).
Aug 17 12:32:45 norns kernel: [ 0.310749] CPU: All CPU(s) started

```

in HYP mode.

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Aug 17 12:32:45 norns kernel: [    0.310753] CPU: Virtualization
extensions available.
Aug 17 12:32:45 norns kernel: [    0.311792] devtmpfs: initialized
Aug 17 12:32:45 norns kernel: [    0.321350] random: get_random_u32
called from bucket_table_alloc+0x100/0x228 with crng_init=0
Aug 17 12:32:45 norns kernel: [    0.330915] VFP support v0.3:
implementor 41 architecture 3 part 40 variant 3 rev 4
Aug 17 12:32:45 norns kernel: [    0.331131] clocksource: jiffies:
mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns:
19112604462750000 ns
Aug 17 12:32:45 norns kernel: [    0.331147] futex hash table entries:
1024 (order: 4, 65536 bytes)
Aug 17 12:32:45 norns kernel: [    0.331617] pinctrl core: initialized
pinctrl subsystem
Aug 17 12:32:45 norns kernel: [    0.332330] NET: Registered protocol
family 16
Aug 17 12:32:45 norns kernel: [    0.352370] DMA: preallocated 1024
KiB pool for atomic coherent allocations
Aug 17 12:32:45 norns kernel: [    0.356654] Serial: AMBA PL011 UART
driver
Aug 17 12:32:45 norns kernel: [    0.358686] bcm2835-mbox
3f00b880.mailbox: mailbox enabled
Aug 17 12:32:45 norns kernel: [    0.387161] bcm2835-dma 3f007000.dma:
DMA legacy API manager at be813000, dmachans=0x1
Aug 17 12:32:45 norns kernel: [    0.388494] SCSI subsystem
initialized
Aug 17 12:32:45 norns kernel: [    0.388612] usbcore: registered new
interface driver usbfs
Aug 17 12:32:45 norns kernel: [    0.388657] usbcore: registered new
interface driver hub
Aug 17 12:32:45 norns kernel: [    0.388737] usbcore: registered new
device driver usb
Aug 17 12:32:45 norns kernel: [    0.390686] raspberrypi-firmware
soc:firmware: Attached to firmware from 2018-04-16 18:18
Aug 17 12:32:45 norns kernel: [    0.390890] Advanced Linux Sound
Architecture Driver Initialized.
Aug 17 12:32:45 norns kernel: [    0.392031] clocksource: Switched to
clocksource arch_sys_counter
Aug 17 12:32:45 norns kernel: [    0.392368] FS-Cache: Loaded
Aug 17 12:32:45 norns kernel: [    0.392523] CacheFiles: Loaded
Aug 17 12:32:45 norns kernel: [    0.400411] NET: Registered protocol
family 2
Aug 17 12:32:45 norns kernel: [    0.401163] TCP established hash
table entries: 8192 (order: 3, 32768 bytes)
Aug 17 12:32:45 norns kernel: [    0.401272] TCP bind hash table
entries: 8192 (order: 4, 65536 bytes)
Aug 17 12:32:45 norns kernel: [    0.401457] TCP: Hash tables
configured (established 8192 bind 8192)
Aug 17 12:32:45 norns kernel: [    0.401580] UDP hash table entries:
```

```

512 (order: 2, 16384 bytes)
Aug 17 12:32:45 norns kernel: [    0.401624] UDP-Lite hash table
entries: 512 (order: 2, 16384 bytes)
Aug 17 12:32:45 norns kernel: [    0.401847] NET: Registered protocol
family 1
Aug 17 12:32:45 norns kernel: [    0.402462] RPC: Registered named
UNIX socket transport module.
Aug 17 12:32:45 norns kernel: [    0.402468] RPC: Registered udp
transport module.
Aug 17 12:32:45 norns kernel: [    0.402472] RPC: Registered tcp
transport module.
Aug 17 12:32:45 norns kernel: [    0.402477] RPC: Registered tcp
NFSv4.1 backchannel transport module.
Aug 17 12:32:45 norns kernel: [    0.404137] workingset:
timestamp_bits=14 max_order=18 bucket_order=4
Aug 17 12:32:45 norns kernel: [    0.411208] FS-Cache: Netfs 'nfs'
registered for caching
Aug 17 12:32:45 norns kernel: [    0.411754] NFS: Registering the
id_resolver key type
Aug 17 12:32:45 norns kernel: [    0.411780] Key type id_resolver
registered
Aug 17 12:32:45 norns kernel: [    0.411785] Key type id_legacy
registered
Aug 17 12:32:45 norns kernel: [    0.413603] Block layer SCSI generic
(bsg) driver version 0.4 loaded (major 251)
Aug 17 12:32:45 norns kernel: [    0.413714] io scheduler noop
registered
Aug 17 12:32:45 norns kernel: [    0.413721] io scheduler deadline
registered (default)
Aug 17 12:32:45 norns kernel: [    0.413727] io scheduler mq-deadline
registered
Aug 17 12:32:45 norns kernel: [    0.413733] io scheduler kyber
registered
Aug 17 12:32:45 norns kernel: [    0.417959] bcm2835-rng 3f104000.rng:
hwrng registered
Aug 17 12:32:45 norns kernel: [    0.418088] vc-mem: phys_addr:
0x00000000 mem_base=0x3f000000 mem_size=0x3f600000(1014 MiB)
Aug 17 12:32:45 norns kernel: [    0.418527] vc-sm: Videocore shared
memory driver
Aug 17 12:32:45 norns kernel: [    0.427031] loop: module loaded
Aug 17 12:32:45 norns kernel: [    0.427380] spi-bcm2835 3f204000.spi:
could not get clk: -517
Aug 17 12:32:45 norns kernel: [    0.427593] usbcore: registered new
interface driver smsc95xx
Aug 17 12:32:45 norns kernel: [    0.427607] dwc_otg: version 3.00a
10-AUG-2012 (platform bus)
Aug 17 12:32:45 norns kernel: [    0.655616] Core Release: 2.80a
Aug 17 12:32:45 norns kernel: [    0.655624] Setting default values
for core params
Aug 17 12:32:45 norns kernel: [    0.655648] Finished setting default

```



values for core params

```
Aug 17 12:32:45 norns kernel: [ 0.855849] Using Buffer DMA mode
Aug 17 12:32:45 norns kernel: [ 0.855855] Periodic Transfer
Interrupt Enhancement - disabled
Aug 17 12:32:45 norns kernel: [ 0.855860] Multiprocessor Interrupt
Enhancement - disabled
Aug 17 12:32:45 norns kernel: [ 0.855866] OTG VER PARAM: 0, OTG VER
FLAG: 0
Aug 17 12:32:45 norns kernel: [ 0.855875] Dedicated Tx FIFOs mode
Aug 17 12:32:45 norns kernel: [ 0.856250] WARN::dwc_otg_hcd_init:
1046: FIQ DMA bounce buffers: virt = 0xbdd04000 dma = 0xfdd04000
len=9024
Aug 17 12:32:45 norns kernel: [ 0.856273] FIQ FSM acceleration
enabled for :
Aug 17 12:32:45 norns kernel: [ 0.856273] Non-periodic Split
Transactions
Aug 17 12:32:45 norns kernel: [ 0.856273] Periodic Split
Transactions
Aug 17 12:32:45 norns kernel: [ 0.856273] High-Speed Isochronous
Endpoints
Aug 17 12:32:45 norns kernel: [ 0.856273] Interrupt/Control Split
Transaction hack enabled
Aug 17 12:32:45 norns kernel: [ 0.856291] dwc_otg: Microframe
scheduler enabled
Aug 17 12:32:45 norns kernel: [ 0.856376] WARN::hcd_init_fiq:459:
FIQ on core 1 at 0x804ba0b0
Aug 17 12:32:45 norns kernel: [ 0.856387] WARN::hcd_init_fiq:460:
FIQ ASM at 0x804ba400 length 36
Aug 17 12:32:45 norns kernel: [ 0.856397] WARN::hcd_init_fiq:486:
MPHI regs_base at 0xbe81d000
Aug 17 12:32:45 norns kernel: [ 0.856448] dwc_otg 3f980000.usb: DWC
OTG Controller
Aug 17 12:32:45 norns kernel: [ 0.856476] dwc_otg 3f980000.usb: new
USB bus registered, assigned bus number 1
Aug 17 12:32:45 norns kernel: [ 0.856505] dwc_otg 3f980000.usb: irq
62, io mem 0x00000000
Aug 17 12:32:45 norns kernel: [ 0.856550] Init: Port Power?
op_state=1
Aug 17 12:32:45 norns kernel: [ 0.856555] Init: Power Port (0)
Aug 17 12:32:45 norns kernel: [ 0.856747] usb usb1: New USB device
found, idVendor=1d6b, idProduct=0002
Aug 17 12:32:45 norns kernel: [ 0.856757] usb usb1: New USB device
strings: Mfr=3, Product=2, SerialNumber=1
Aug 17 12:32:45 norns kernel: [ 0.856765] usb usb1: Product: DWC
OTG Controller
Aug 17 12:32:45 norns kernel: [ 0.856773] usb usb1: Manufacturer:
Linux 4.14.52-14-g00c5424 dwc_otg_hcd
Aug 17 12:32:45 norns kernel: [ 0.856780] usb usb1: SerialNumber:
3f980000.usb
Aug 17 12:32:45 norns kernel: [ 0.857334] hub 1-0:1.0: USB hub
```

found

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Aug 17 12:32:45 norns kernel: [ 0.857370] hub 1-0:1.0: 1 port
detected
Aug 17 12:32:45 norns kernel: [ 0.857859] dwc_otg: FIQ enabled
Aug 17 12:32:45 norns kernel: [ 0.857864] dwc_otg: NAK holdoff
enabled
Aug 17 12:32:45 norns kernel: [ 0.857868] dwc_otg: FIQ split-
transaction FSM enabled
Aug 17 12:32:45 norns kernel: [ 0.857878] Module dwc_common_port
init
Aug 17 12:32:45 norns kernel: [ 0.858096] usbcore: registered new
interface driver usb-storage
Aug 17 12:32:45 norns kernel: [ 0.858244] i2c /dev entries driver
Aug 17 12:32:45 norns kernel: [ 0.858614] IR NEC protocol handler
initialized
Aug 17 12:32:45 norns kernel: [ 0.858620] IR RC5(x/sz) protocol
handler initialized
Aug 17 12:32:45 norns kernel: [ 0.858624] IR RC6 protocol handler
initialized
Aug 17 12:32:45 norns kernel: [ 0.858629] IR JVC protocol handler
initialized
Aug 17 12:32:45 norns kernel: [ 0.858634] IR Sony protocol handler
initialized
Aug 17 12:32:45 norns kernel: [ 0.858638] IR SANYO protocol handler
initialized
Aug 17 12:32:45 norns kernel: [ 0.858643] IR Sharp protocol handler
initialized
Aug 17 12:32:45 norns kernel: [ 0.858648] IR MCE Keyboard/mouse
protocol handler initialized
Aug 17 12:32:45 norns kernel: [ 0.858653] IR XMP protocol handler
initialized
Aug 17 12:32:45 norns kernel: [ 0.859183] bcm2835-wdt
3f100000.watchdog: Broadcom BCM2835 watchdog timer
Aug 17 12:32:45 norns kernel: [ 0.859430] bcm2835-cpufreq:
min=600000 max=1200000
Aug 17 12:32:45 norns kernel: [ 0.860939] sdhci: Secure Digital
Host Controller Interface driver
Aug 17 12:32:45 norns kernel: [ 0.860941] sdhci: Copyright(c)
Pierre Ossman
Aug 17 12:32:45 norns kernel: [ 0.861069] sdhost-bcm2835
3f202000.mmc: could not get clk, deferring probe
Aug 17 12:32:45 norns kernel: [ 0.861118] Error: Driver 'sdhost-
bcm2835' is already registered, aborting...
Aug 17 12:32:45 norns kernel: [ 0.861125] sdhci-pltfm: SDHCI
platform and OF driver helper
Aug 17 12:32:45 norns kernel: [ 0.861344] ledtrig-cpu: registered
to indicate activity on CPUs
Aug 17 12:32:45 norns kernel: [ 0.861379] hidraw: raw HID events
driver (C) Jiri Kosina
Aug 17 12:32:45 norns kernel: [ 0.861435] usbcore: registered new
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interface driver usbhid
Aug 17 12:32:45 norns kernel: [    0.861438] usbhid: USB HID core
driver
Aug 17 12:32:45 norns kernel: [    0.861810] vchiq: vchiq_init_state:
slot_zero = bdd80000, is_master = 0
Aug 17 12:32:45 norns kernel: [    0.862700] [vc_sm_connected_init]:
start
Aug 17 12:32:45 norns kernel: [    0.865769] vc_vchi_sm_init: failed
to open VCHI service (-1)
Aug 17 12:32:45 norns kernel: [    0.865773] [vc_sm_connected_init]:
failed to initialize shared memory service
Aug 17 12:32:45 norns kernel: [    0.865784] [vc_sm_connected_init]:
end - returning -1
Aug 17 12:32:45 norns kernel: [    0.866299] bcm2835-i2s 3f203000.i2s:
could not get clk: -517
Aug 17 12:32:45 norns kernel: [    0.866401] snd-rpi-monome soc:sound:
ASoC: CPU DAI (null) not registered - will retry
Aug 17 12:32:45 norns kernel: [    0.866407] snd-rpi-monome soc:sound:
snd_soc_register_card() failed (-517)
Aug 17 12:32:45 norns kernel: [    0.866585] Initializing XFRM netlink
socket
Aug 17 12:32:45 norns kernel: [    0.866597] NET: Registered protocol
family 17
Aug 17 12:32:45 norns kernel: [    0.866650] Key type dns_resolver
registered
Aug 17 12:32:45 norns kernel: [    0.866896] Registering SWP/SWPB
emulation handler
Aug 17 12:32:45 norns kernel: [    0.867179] registered taskstats
version 1
Aug 17 12:32:45 norns kernel: [    0.870252] uart-pl011
3f201000.serial: cts_event_workaround enabled
Aug 17 12:32:45 norns kernel: [    0.870287] 3f201000.serial: ttyAMA0
at MMIO 0x3f201000 (irq = 87, base_baud = 0) is a PL011 rev2
Aug 17 12:32:45 norns kernel: [    0.908851] console [ttyAMA0] enabled
Aug 17 12:32:45 norns kernel: [    0.909908] fbtft_of_value: buswidth
= 8
Aug 17 12:32:45 norns kernel: [    0.909913] fbtft_of_value: debug = 3
Aug 17 12:32:45 norns kernel: [    0.909916] fbtft_of_value: rotate =
0
Aug 17 12:32:45 norns kernel: [    0.909919] fbtft_of_value: fps = 20
Aug 17 12:32:45 norns kernel: [    0.909945] fb_ssd1322 spi0.0:
fbtft_gamma_parse_str() str=
Aug 17 12:32:45 norns kernel: [    0.909949] fb_ssd1322 spi0.0: 1 1 1
1 1 2 2 3 3 4 4 5 5 6 6
Aug 17 12:32:45 norns kernel: [    0.909984] fb_ssd1322 spi0.0:
fbtft_request_one_gpio: 'reset-gpios' = GPIO6
Aug 17 12:32:45 norns kernel: [    0.909994] fb_ssd1322 spi0.0:
fbtft_request_one_gpio: 'dc-gpios' = GPIO5
Aug 17 12:32:45 norns kernel: [    0.910020] fb_ssd1322 spi0.0:
fbtft_verify_gpios()

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Aug 17 12:32:45 norns kernel: [ 0.910024] fb_ssd1322 spi0.0:
fbtft_reset()
Aug 17 12:32:45 norns kernel: [ 1.046684] fb_ssd1322 spi0.0:
Display update: 3593 kB/s, fps=0
Aug 17 12:32:45 norns kernel: [ 1.046689] fb_ssd1322 spi0.0:
set_gamma()
Aug 17 12:32:45 norns kernel: [ 1.046810] graphics fb0: fb_ssd1322
frame buffer, 128x64, 16 KiB video memory, 8 KiB buffer memory,
fps=20, spi0.0 at 16 MHz
Aug 17 12:32:45 norns kernel: [ 1.053185] cs4270 1-0048: 1-0048
supply va not found, using dummy regulator
Aug 17 12:32:45 norns kernel: [ 1.053228] cs4270 1-0048: 1-0048
supply vd not found, using dummy regulator
Aug 17 12:32:45 norns kernel: [ 1.053252] cs4270 1-0048: 1-0048
supply vlc not found, using dummy regulator
Aug 17 12:32:45 norns kernel: [ 1.053769] cs4270 1-0048: found
device at i2c address 48
Aug 17 12:32:45 norns kernel: [ 1.053773] cs4270 1-0048: hardware
revision 3
Aug 17 12:32:45 norns kernel: [ 1.054136] sdhost: log_buf @
bdd09000 (fdd09000)
Aug 17 12:32:45 norns kernel: [ 1.074800] Indeed it is in host mode
hprt0 = 00021501
Aug 17 12:32:45 norns kernel: [ 1.159818] random: fast init done
Aug 17 12:32:45 norns kernel: [ 1.162035] mmc0: sdhost-bcm2835
loaded - DMA enabled (>1)
Aug 17 12:32:45 norns kernel: [ 1.183854] snd-rpi-monome soc:sound:
cs4270-hifi <-> 3f203000.i2s mapping ok
Aug 17 12:32:45 norns kernel: [ 1.184933] hctosys: unable to open
rtc device (rtc0)
Aug 17 12:32:45 norns kernel: [ 1.184936] of_cfs_init
Aug 17 12:32:45 norns kernel: [ 1.184995] of_cfs_init: OK
Aug 17 12:32:45 norns kernel: [ 1.185217] ALSA device list:
Aug 17 12:32:45 norns kernel: [ 1.185220] #0: snd_rpi_monome
Aug 17 12:32:45 norns kernel: [ 1.185322] uart-pl011
3f201000.serial: no DMA platform data
Aug 17 12:32:45 norns kernel: [ 1.185388] Waiting for root device /
dev/mmcblk0p2...
Aug 17 12:32:45 norns kernel: [ 1.238134] mmc0: new high speed MMC
card at address 0001
Aug 17 12:32:45 norns kernel: [ 1.238385] mmcblk0: mmc0:0001 4FPD3R
3.64 GiB
Aug 17 12:32:45 norns kernel: [ 1.238489] mmcblk0boot0: mmc0:0001
4FPD3R partition 1 4.00 MiB
Aug 17 12:32:45 norns kernel: [ 1.238599] mmcblk0boot1: mmc0:0001
4FPD3R partition 2 4.00 MiB
Aug 17 12:32:45 norns kernel: [ 1.238706] mmcblk0rpbm: mmc0:0001
4FPD3R partition 3 512 KiB
Aug 17 12:32:45 norns kernel: [ 1.239514] mmcblk0: p1 p2
Aug 17 12:32:45 norns kernel: [ 1.250395] EXT4-fs (mmcblk0p2):

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mounted filesystem with ordered data mode. Opts: (null)  
Aug 17 12:32:45 norns kernel: [ 1.250421] VFS: Mounted root (ext4 filesystem) readonly on device 179:2.  
Aug 17 12:32:45 norns kernel: [ 1.257245] devtmpfs: mounted  
Aug 17 12:32:45 norns kernel: [ 1.258107] Freeing unused kernel memory: 1024K  
Aug 17 12:32:45 norns kernel: [ 1.282042] usb 1-1: new high-speed USB device number 2 using dwc\_otg  
Aug 17 12:32:45 norns kernel: [ 1.282276] Indeed it is in host mode hprt0 = 00001101  
Aug 17 12:32:45 norns kernel: [ 1.523333] usb 1-1: New USB device found, idVendor=04b4, idProduct=6570  
Aug 17 12:32:45 norns kernel: [ 1.523341] usb 1-1: New USB device strings: Mfr=0, Product=1, SerialNumber=0  
Aug 17 12:32:45 norns kernel: [ 1.523345] usb 1-1: Product: USB2.0 Hub  
Aug 17 12:32:45 norns kernel: [ 1.523928] hub 1-1:1.0: USB hub found  
Aug 17 12:32:45 norns kernel: [ 1.524222] hub 1-1:1.0: 4 ports detected  
Aug 17 12:32:45 norns kernel: [ 1.727306] NET: Registered protocol family 10  
Aug 17 12:32:45 norns kernel: [ 1.727974] Segment Routing with IPv6  
Aug 17 12:32:45 norns kernel: [ 1.734242] ip\_tables: (C) 2000-2006 Netfilter Core Team  
Aug 17 12:32:45 norns kernel: [ 1.748988] random: systemd: uninitialized urandom read (16 bytes read)  
Aug 17 12:32:45 norns kernel: [ 1.779918] random: systemd: uninitialized urandom read (16 bytes read)  
Aug 17 12:32:45 norns kernel: [ 1.791821] random: systemd-cryptse: uninitialized urandom read (16 bytes read)  
Aug 17 12:32:45 norns kernel: [ 1.842077] usb 1-1.1: new high-speed USB device number 3 using dwc\_otg  
Aug 17 12:32:45 norns kernel: [ 1.973281] usb 1-1.1: New USB device found, idVendor=0bda, idProduct=8176  
Aug 17 12:32:45 norns kernel: [ 1.973289] usb 1-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3  
Aug 17 12:32:45 norns kernel: [ 1.973293] usb 1-1.1: Product: 802.11n WLAN Adapter  
Aug 17 12:32:45 norns kernel: [ 1.973297] usb 1-1.1: Manufacturer: Realtek  
Aug 17 12:32:45 norns kernel: [ 1.973301] usb 1-1.1: SerialNumber: 00e04c000001  
Aug 17 12:32:45 norns kernel: [ 2.072856] usb 1-1.3: new full-speed USB device number 4 using dwc\_otg  
Aug 17 12:32:45 norns kernel: [ 2.226685] usb 1-1.3: New USB device found, idVendor=0403, idProduct=6001  
Aug 17 12:32:45 norns kernel: [ 2.226694] usb 1-1.3: New USB device strings: Mfr=1, Product=2, SerialNumber=3  
Aug 17 12:32:45 norns kernel: [ 2.226698] usb 1-1.3: Product:

monome  
Aug 17 12:32:45 norns kernel: [ 2.226703] usb 1-1.3: Manufacturer:  
monome  
Aug 17 12:32:45 norns kernel: [ 2.226706] usb 1-1.3: SerialNumber:  
m1000560  
Aug 17 12:32:45 norns kernel: [ 2.390218] EXT4-fs (mmcblk0p2): re-  
mounted. Opts: (null)  
Aug 17 12:32:45 norns kernel: [ 2.596370] usbcore: registered new  
interface driver usbserial  
Aug 17 12:32:45 norns kernel: [ 2.596416] usbcore: registered new  
interface driver usbserial\_generic  
Aug 17 12:32:45 norns kernel: [ 2.596445] usbserial: USB Serial  
support registered for generic  
Aug 17 12:32:45 norns kernel: [ 2.609120] usbcore: registered new  
interface driver ftdi\_sio  
Aug 17 12:32:45 norns kernel: [ 2.609169] usbserial: USB Serial  
support registered for FTDI USB Serial Device  
Aug 17 12:32:45 norns kernel: [ 2.609290] ftdi\_sio 1-1.3:1.0: FTDI  
USB Serial Device converter detected  
Aug 17 12:32:45 norns kernel: [ 2.609365] usb 1-1.3: Detected  
FT232RL  
Aug 17 12:32:45 norns kernel: [ 2.610193] usb 1-1.3: FTDI USB  
Serial Device converter now attached to ttyUSB0  
Aug 17 12:32:45 norns kernel: [ 2.619982] input: keys as /devices/  
platform/keys/input/input0  
Aug 17 12:32:45 norns kernel: [ 2.651456] gpiomem-bcm2835  
3f200000.gpiomem: Initialised: Registers at 0x3f200000  
Aug 17 12:32:45 norns kernel: [ 2.675032] rotary-encoder soc:knob3:  
gray  
Aug 17 12:32:45 norns kernel: [ 2.680288] input: soc:knob3 as /  
devices/platform/soc/soc:knob3/input/input1  
Aug 17 12:32:45 norns kernel: [ 2.680441] rotary-encoder soc:knob2:  
gray  
Aug 17 12:32:45 norns kernel: [ 2.683327] input: soc:knob2 as /  
devices/platform/soc/soc:knob2/input/input2  
Aug 17 12:32:45 norns kernel: [ 2.683491] rotary-encoder soc:knob1:  
gray  
Aug 17 12:32:45 norns kernel: [ 2.696135] input: soc:knob1 as /  
devices/platform/soc/soc:knob1/input/input3  
Aug 17 12:32:45 norns kernel: [ 2.952798] rtl8192cu: Chip version  
0x10  
Aug 17 12:32:45 norns kernel: [ 2.996750] rtl8192cu: Board Type 0  
Aug 17 12:32:45 norns kernel: [ 2.996842] rtl\_usb: rx\_max\_size  
15360, rx\_urb\_num 8, in\_ep 1  
Aug 17 12:32:45 norns kernel: [ 2.996921] rtl8192cu: Loading  
firmware rtlwifi/rtl8192cufw\_TMSC.bin  
Aug 17 12:32:45 norns kernel: [ 3.024454] ieee80211 phy0: Selected  
rate control algorithm 'rtl\_rc'  
Aug 17 12:32:45 norns kernel: [ 3.026853] usbcore: registered new  
interface driver rtl8192cu

Aug 17 12:32:47 norns kernel: [ 6.158647] IPv6:  
ADDRCONF(NETDEV\_UP): wlan0: link is not ready  
Aug 17 12:32:47 norns kernel: [ 6.160477] rtl8192cu: MAC auto ON  
okay!  
Aug 17 12:32:48 norns kernel: [ 6.178298] rtl8192cu: Tx queue  
select: 0x05  
Aug 17 12:32:48 norns kernel: [ 6.183828] random: crng init done  
Aug 17 12:32:48 norns kernel: [ 6.183835] random: 7 urandom  
warning(s) missed due to ratelimiting  
Aug 17 12:32:48 norns kernel: [ 7.011856] IPv6:  
ADDRCONF(NETDEV\_UP): wlan0: link is not ready  
Aug 17 12:32:49 norns kernel: [ 7.407944] IPv6:  
ADDRCONF(NETDEV\_UP): wlan0: link is not ready  
Aug 17 12:32:51 norns kernel: [ 9.824078] wlan0: authenticate with  
10:78:5b:a1:44:11  
Aug 17 12:32:51 norns kernel: [ 9.852932] wlan0: send auth to  
10:78:5b:a1:44:11 (try 1/3)  
Aug 17 12:32:51 norns kernel: [ 9.972061] wlan0: send auth to  
10:78:5b:a1:44:11 (try 2/3)  
Aug 17 12:32:51 norns kernel: [ 10.082083] wlan0: send auth to  
10:78:5b:a1:44:11 (try 3/3)  
Aug 17 12:32:51 norns kernel: [ 10.092479] wlan0: authenticated  
Aug 17 12:32:51 norns kernel: [ 10.102308] wlan0: associate with  
10:78:5b:a1:44:11 (try 1/3)  
Aug 17 12:32:52 norns kernel: [ 10.212071] wlan0: associate with  
10:78:5b:a1:44:11 (try 2/3)  
Aug 17 12:32:52 norns kernel: [ 10.268403] wlan0: RX AssocResp from  
10:78:5b:a1:44:11 (capab=0x1411 status=0 aid=12)  
Aug 17 12:32:52 norns kernel: [ 10.273567] wlan0: associated  
Aug 17 12:32:52 norns kernel: [ 10.363779] IPv6:  
ADDRCONF(NETDEV\_CHANGE): wlan0: link becomes ready  
Aug 17 12:32:52 norns kernel: [ 10.366862] wlan0: Limiting TX power  
to 30 (30 - 0) dBm as advertised by 10:78:5b:a1:44:11  
Aug 18 05:20:08 norns kernel: [21924.123750] ftdi\_sio ttyUSB0:  
usb\_serial\_generic\_read\_bulk\_callback - urb stopped: -32  
Aug 18 05:20:08 norns kernel: [21924.123859] ftdi\_sio ttyUSB0:  
usb\_serial\_generic\_read\_bulk\_callback - urb stopped: -32  
Aug 18 05:20:08 norns kernel: [21924.304642] usb 1-1.3: USB  
disconnect, device number 4  
Aug 18 05:20:08 norns kernel: [21924.305576] ftdi\_sio ttyUSB0: error  
from flowcontrol urb  
Aug 18 05:20:08 norns kernel: [21924.305775] ftdi\_sio ttyUSB0: FTDI  
USB Serial Device converter now disconnected from ttyUSB0  
Aug 18 05:20:08 norns kernel: [21924.305808] ftdi\_sio 1-1.3:1.0:  
device disconnected