

Ardrone at Hyper Terminal during start-up Listing of a good ardrone

UFO Doctor, 2. Sept. 2011

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Parrotboot for target MYKONOS, built on Feb  2 2011
-> Change VDD2 reset value
nand_flash: By ONFI Manufacturer: MICRON    , Model: MT29F1G08AAC
nand_flash: Support ONFI v1.0
scanning start 40000 end 800000 page shift 11 eb size 131072
vid_hdr_offset 2048, data_offset 4096 leb_size 126976
image_seq is 2f5b72bd
new volume 4
new volume 0
new volume 1
parsed 4096 pages
volume 0 : main_boot ok
Attempt booting on UBI volume with ID 0...

Booting Linux...
init started: BusyBox v1.14.0 (2011-05-13 17:06:41 CEST)
starting pid 810, tty "':/etc/init.d/rcS'
init started...
BMI Write Memory (address: 0x502070, filename: /lib/firmware/AR6002/eeprom.data)

BMI Write Memory (address: 0x513950, filename: /lib/firmware/AR6002/eeprom.bin)
BMI Execute (address: 0x913950, param: 0x0)
Return Value from target: 0x0
BMI Set App Start (address: 0x913950)
Updating MAC address
BMI Write compressed Memory (address: 0x502070, filename: /lib/firmware/AR6002/a
thwlan.bin.z77)
BMI Write Memory (address: 0x52d6c8, filename: /lib/firmware/AR6002/data.patch.h
w2_0.bin)
BMI Write Memory (address: 0x500418, value: 0x52d6c8)
BMI Bit-Wise (OR) modify Register (address: 0x500410, orig:0xa, new: 0xb, mask:
0x1)
BMI Done
argc = 7
wmiconfig:fixRateMask=8
wmiconfig:fixRateMask=264
wmiconfig:fixRateMask=2312
BusyBox v1.14.0 (2011-05-13 17:06:41 CEST) multi-call binary

Usage: ifconfig [-a] interface [address]

Configure a network interface

Options:
  [[-]broadcast [ADDRESS]] [[-]pointopoint [ADDRESS]]
  [netmask ADDRESS] [dstaddr ADDRESS]
  [hw ether ADDRESS] [metric NN] [mtu NN]
  [[-]trailers] [[-]arp] [[-]allmulti]
  [multicast] [[-]promisc] [txqueuelen NN] [[-]dynamic]
  [up|down] ...

Copy version.txt file in ftp directory
Check if update is necessary ...
File /update/ardrone_update.plf doesn't exists... Start Drone software...
init exit
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if you want to customize init look at target/generic/target_skeleton/etc files
if ctrl+c does not work look at the Linux FAQ section.

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Please press Enter to activate this console. posix init start build on : May 13
2011 17:11:47
Use ctrl+\ (SIGQUIT) to end the application
[WW] POS (thread no name ((nil))) RR time quantum 0s 100000000ns
[WW] POS (thread no name ((nil))) thread guard size : default 4096
[WW] POS (thread no name ((nil))) thread stack size : default 6144, minimal 8192
, (system default 8380416)
[WW] POS (thread no name ((nil))) disable smp
** Mykonos v1.6.6 **
[WW] POS (thread no name ((nil))) stack size 6144 is too small, setting to 8192
thread start
register : /dev/input/event0
we register 1
init button
9.074337 NULL 6 0 version actuelle du PIC 4003e, version du PLF 4003e
9.077055 NULL 6 1076282856 control checksum PIC
Scanning /data/custom.configs/applis ...
-> located configuration file </data/custom.configs/applis/config.73ead67e.ini
>
Scanning /data/custom.configs/profiles ...
-> located configuration file </data/custom.configs/profiles/config.b0436552.i
ni>
Scanning /data/custom.configs/sessions ...
-> located configuration file </data/custom.configs/sessions/config.3312c1b8.i
ni>
Motors flight anim. callback : <0,0>
Owner's MAC address is: 00:00:00:00:00:00
Clearing pairing rule
9.252108 NULL 6 0 change the ultrasound frequency. 25Hz
Motors leds callback : <0,0,0>
9.254300 NULL 6 1952645220 SW VERSION : 0016E034
Starting thread V4Lcamif
Starting thread V4Lcamif
Starting thread Navdata
Starting thread vp_com_server
Starting thread ATcodec_Commands_Server
Starting thread Acquisition
Starting thread log_thread
Starting thread FlashMgr
Starting thread vbat
Starting thread Video
Starting thread Video_Hori
Starting thread Master
Starting thread Leds
Thread AT Commands Server Start

Socket opening failed

Socket opening failed
9.261581 Video 6 967 Camera OK => Launch main video
9.263874 Video_Hori 6 968 Camera OK => Launch main video
[WW] POS (thread log_thread (0x1a6cec)) suspending current thread, possible dead
lock
9.274767 FlashMgr 6 965 Mykonos configuration saved.
9.480239 Master 6 969 Could not open BLC.hex file.
9.481158 FlashMgr 6 965 Unable to load trims because file /data/fact_trims.b
in is missing
9.522236 Master 6 969 BLC backup hex available
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9.531628 FlashMgr 6 965 Unable to load trims because file /data/trims.bin is missing
9.541868 FlashMgr 6 965 Mykonos Accs Infos loaded from /data/fact_accs_infos.bin: val(0) = 69.678329; val(1) = 34.361931; val(2) = -1006.440918
9.550083 Master 6 969 BLC call for motor 1
9.551431 FlashMgr 6 965 Mykonos Accs Infos loaded from /data/accs_infos.bin: val(0) = 86.464958; val(1) = 33.769558; val(2) = -1049.034180
9.570872 Master 6 969 BLC check BLC memory corruption on motor 1
9.571027 Master 6 969 BLC verify
9.589778 Master 6 969 BLC verify OK

vision camera config truly vga

vision camera config cresyn qcif

9.802352 Master 6 969 BLC motor 1 soft version 1.16, hard version 3.0, supplier 1.1, lot number 09/10, FVT1 07/07/11
9.860049 Master 6 969 BLC call for motor 2
9.880737 Master 6 969 BLC check BLC memory corruption on motor 2
9.880883 Master 6 969 BLC verify
9.899570 Master 6 969 BLC verify FAILED - page 0
9.899711 Master 6 969 BLC memory corrupted on motor 2
9.899804 Master 6 969 BLC erase memory on motor 2
10.407654 Master 6 969 BLC start flash
camera configured

vision camera config cresyn qcif

vision camera config cresyn qcif

Camera Config : Set cresyn into default mode

12.210157 Master 6 969 BLC flash done
12.210322 Master 6 969 BLC verify
12.229018 Master 6 969 BLC verify OK
12.432490 Master 6 969 BLC motor 2 soft version 1.16, hard version 3.0, supplier 2.2, lot number 08/10, FVT1 07/10/10
12.490060 Master 6 969 BLC call for motor 3
12.510820 Master 6 969 BLC check BLC memory corruption on motor 3
12.510993 Master 6 969 BLC verify
12.529705 Master 6 969 BLC verify OK
12.742340 Master 6 969 BLC motor 3 soft version 1.16, hard version 3.0, supplier 2.2, lot number 08/10, FVT1 07/10/10
12.800060 Master 6 969 BLC call for motor 4
12.820849 Master 6 969 BLC check BLC memory corruption on motor 4
12.821008 Master 6 969 BLC verify
12.839748 Master 6 969 BLC verify OK
13.052366 Master 6 969 BLC motor 4 soft version 1.16, hard version 3.0, supplier 1.1, lot number 09/10, FVT1 07/07/11
13.110344 Acquisition 6 963 HARD VERSION c0
13.110575 Acquisition 6 963 syslog switches to buffer 1 (0x00120DF0)
13.110512 Acquisition 6 963 change the ultrasound frequency. 25Hz

<starting info>Version="AR.Drone 1.6.6" WIFI="OK" AddrMAC="00:26:7E:71:5E:60" Calibration="OK" PICVersion="4.62" Motor1Version="1.16" Motor2Version="1.16" Motor3Version="1.16" Motor4Version="1.16"</starting info>

13.112757 Master 6 969 ***** Previous runs gave emergency *****

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13.112892 Master 6 969 Pic software version not ok !!!
13.112965 Master 6 969 mykonos_state = 0x80000000
13.113022 Master 6 969 vbat = 0
13.113075 Master 6 969 ctrl_state = 0x00000001
13.113157 Master 6 969 -----
13.113215 Master 6 969 Emergency signal sent by user !!!
13.113272 Master 6 969 mykonos_state = 0x8f810035
13.113326 Master 6 969 vbat = 10963
13.113377 Master 6 969 ctrl_state = 0x00000000
13.113436 Master 6 969 -----
13.113493 Master 6 969 Angles out of range !!!
13.113548 Master 6 969 mykonos_state = 0x8f8b0014
13.113601 Master 6 969 vbat = 11278
13.113651 Master 6 969 ctrl_state = 0x00000000
13.113707 Master 6 969 -----
13.113762 Master 6 969 Motors have not been initialized correctly !!!
13.113820 Master 6 969 mykonos_state = 0xc7001000
13.113873 Master 6 969 vbat = 0
13.113923 Master 6 969 ctrl_state = 0x00000001
13.113980 Master 6 969 -----
13.114035 Master 6 969 Motors have not been initialized correctly !!!
13.114092 Master 6 969 mykonos_state = 0xc7001000
13.114145 Master 6 969 vbat = 0
13.114196 Master 6 969 ctrl_state = 0x00000001
13.114196 Master 6 969 ctrl_state = 0x00000001
13.114309 Master 6 969 Motors have not been initialized correctly !!!
13.114365 Master 6 969 mykonos_state = 0xc7001854
13.114416 Master 6 969 vbat = 0
13.114467 Master 6 969 ctrl_state = 0x00000001
13.114522 Master 6 969 -----
13.114576 Master 6 969 Angles out of range !!!
13.114631 Master 6 969 mykonos_state = 0xcf880800
13.114683 Master 6 969 vbat = 12596
13.114734 Master 6 969 ctrl_state = 0x00000000
13.124808 Master 6 969 *****

13.134068 FlashMgr 6 965 Mykonos configuration saved.
13.145280 FlashMgr 6 965 Beginning syslog dump in flash
13.146042 FlashMgr 6 965 Syslog dump in flash done
13.749889 Acquisition 6 963 GAINS AT : pq_kp = 20000, r_kp = 100000, r_ki =
10000, ea_kp = 9000, ea_ki = 8000, alt_kp = 2000, alt_ki = 400, vz_kp = 100,
vz_ki = 50, hov_kp = 8000, hov_ki = 8000, hov_b_kp =
450, hov_b_ki = 40
!!! Emergency landing from /home/peline/.ardrone/mykonos/ARDrone_Branch_20110321
_1_6/Mykonos/Soft/Build/../../Soft/Toy//Sources/mykonos.c:676. Reason is Angles
out of range !!!
vision camera config cresyn qcif
dct status 0x0

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