

```
arpit@arpit-dota:~$ ssh root@192.168.1.118
Debian GNU/Linux 10
```

BeagleBoard.org Debian Buster IoT Image 2020-04-06

Support: http://elinux.org/Beagleboard:BeagleBoneBlack_Debian

default username:password is [debian:temppwd]

root@192.168.1.118's password:

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

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

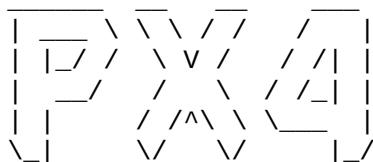
Last login: Fri Dec 9 05:38:58 2022 from 192.168.1.189

```
root@beaglebone:~# cd /home/debian/px4
```

```
root@beaglebone:/home/debian/px4# sudo ./bin/px4 -s px4.config
```

```
INFO [px4] mlockall() enabled. PX4's virtual address space is locked into RAM.
```

```
INFO [px4] assuming working directory is rootfs, no symlinks needed.
```



px4 starting.

```
INFO [px4] startup script: /bin/sh px4.config 0
```

```
INFO [param] selected parameter default file parameters.bson
```

```
INFO [param] importing from 'parameters.bson'
```

```
INFO [parameters] BSON document size 99 bytes, decoded 99 bytes (INT32:4, FLOAT:1)
```

```
INFO [dataman] data manager file './dataman' size is 7866640 bytes
```

```
bmp280 #0 on I2C bus 2 (external) address 0x76
```

```
mpu9250_i2c #0 on I2C bus 2 (external) address 0x68
```

```
ERROR [gps] failed to instantiate object
```

```
INFO [commander] LED: open /dev/led0 failed (22)
```

```
WARN [health_and_arwing_checks] Too many arming check events (0, 15 > 14). Not reporting all
```

```
WARN [health_and_arwing_checks] Preflight Fail: No valid data from Accel 0
```

```
WARN [health_and_arwing_checks] Preflight Fail: No CPU load information
```

```
WARN [health_and_arwing_checks] Preflight Fail: ekf2 missing data
```

```
WARN [health_and_arwing_checks] Preflight Fail: No valid data from Gyro 0
```

```
WARN [health_and_arwing_checks] Preflight Fail: Compass Sensor 0 missing
```

```
INFO [health_and_arwing_checks] Preflight Fail: No manual control input
```

```
INFO [mavlink] mode: Normal, data rate: 1000000 B/s on udp port 14556 remote port 14550
```

```
INFO [mavlink] using network interface SoftAp0, IP: 192.168.8.1
```

```
INFO [mavlink] with netmask: 255.255.255.0
```

```
INFO [mavlink] and broadcast IP: 192.168.8.255
```

```
INFO [drivers_board] Initializing librobotcontrol ...
```

```
ERROR in rc_pru_stop while writing to remoteproc state: Operation not permitted
```

```
ERROR in rc_servo_init, failed to start PRU1
```

```
ERROR [drivers_board] rc_init failed to run rc_servo_init()
```

```
INFO [logger] logger started (mode=all)
```

```
INFO [px4] Startup script returned successfully
pxh> WARN [health_and_arwing_checks] Preflight Fail: Accel 0 uncalibrated
WARN [health_and_arwing_checks] Preflight Fail: ekf2 missing data
WARN [health_and_arwing_checks] Preflight Fail: Gyro 0 uncalibrated
WARN [health_and_arwing_checks] Preflight Fail: Compass Sensor 0 missing
INFO [health_and_arwing_checks] Preflight Fail: No manual control input

pxh>
```