

## Bind drone (SR24) to ST16



On ST16 we create a new model, type is Typhoon H. Call it "My Thunderbird" or whatever you want.

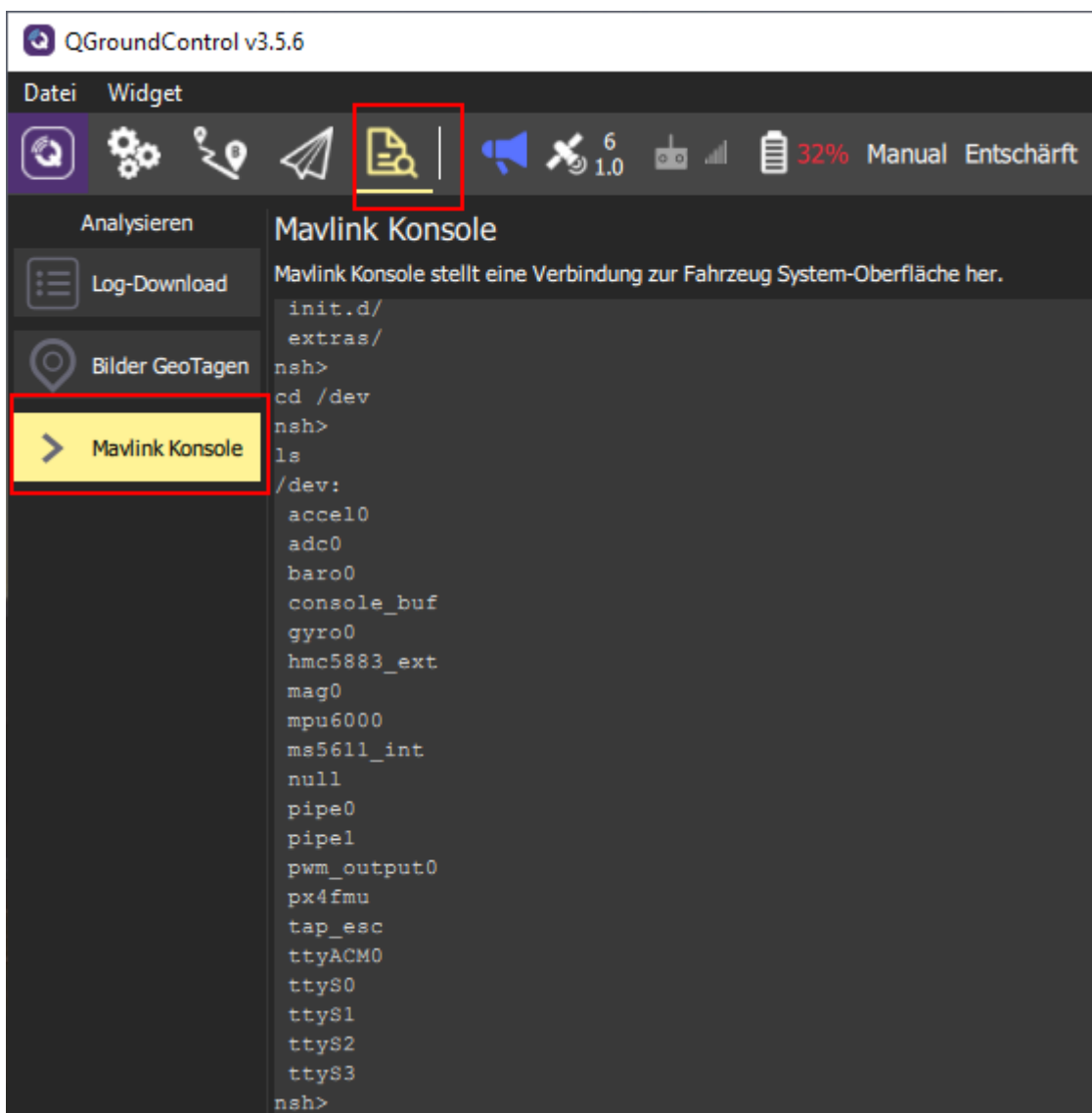
The bind process for camera CGO3+ is as usual.

To bind the 2.4GHz receiver the drone must be in bind mode. This is no more possible by lift the back end of the copter.

We have to use QGroundControl (aka QGC). Connect the drone tp QGC by USB cable.

Go to Mavlink console. This is a nice tool. We can see a lot interesting here, i.e. the hardware driver:

```
cd /dev
ls
```



Or how many memory is free/used:

**free**

But hey, we want to set the Thunderbird into bind-mode! Type:

**typhoon\_bind start**

```
Mavlink Console
Mavlink Console provides a connection to the vehicle's system
REJECT POSITION CONTROL

NuttShell (NSH)
nsh> help
help usage:  help [-v] [<cmd>]

[      cp      exec      help      mount      rm      test      usleep
?      cmp      exit      kill      mv      rmdir      time
break   date     export   ls      mw      set      true
cat     df      false   mkdir   ps      sh      umount
cd      echo     free    mkfatfs pwd      sleep   unset

Builtin Apps:
gps                ver                serdis
reflect            typhoon_bind       vmount
send_event         st16_telemetry     sercon
ist8310            hardfault_log      perf
config             mc_att_control     sih
listener           mavlink             attitude_estimator_q
rc_input           test_ppm            load_mon
commander          sensors            top
motor_test         logger              navigator
tune_control       battery_status      mc_pos_control
ekf2               land_detector       uorb
mixer              dataman             fmu
adc               hmc5883             pwm
tap_esc           nshterm             ms5611
mpu6000           param               dmesg

nsh>
typhoon_bind
Usage: typhoon_bind <command> [arguments...]
Commands:

    start
>
typhoon_bind start
nsh> INFO  [typhoon_bind] Bind command sent.
INFO  [typhoon_bind] Please reboot the drone before flight.
```

Then go to Bind menu of the ST16 as usual and tap on "Refresh".

Select the receiver and tap on "Bind". Done!

