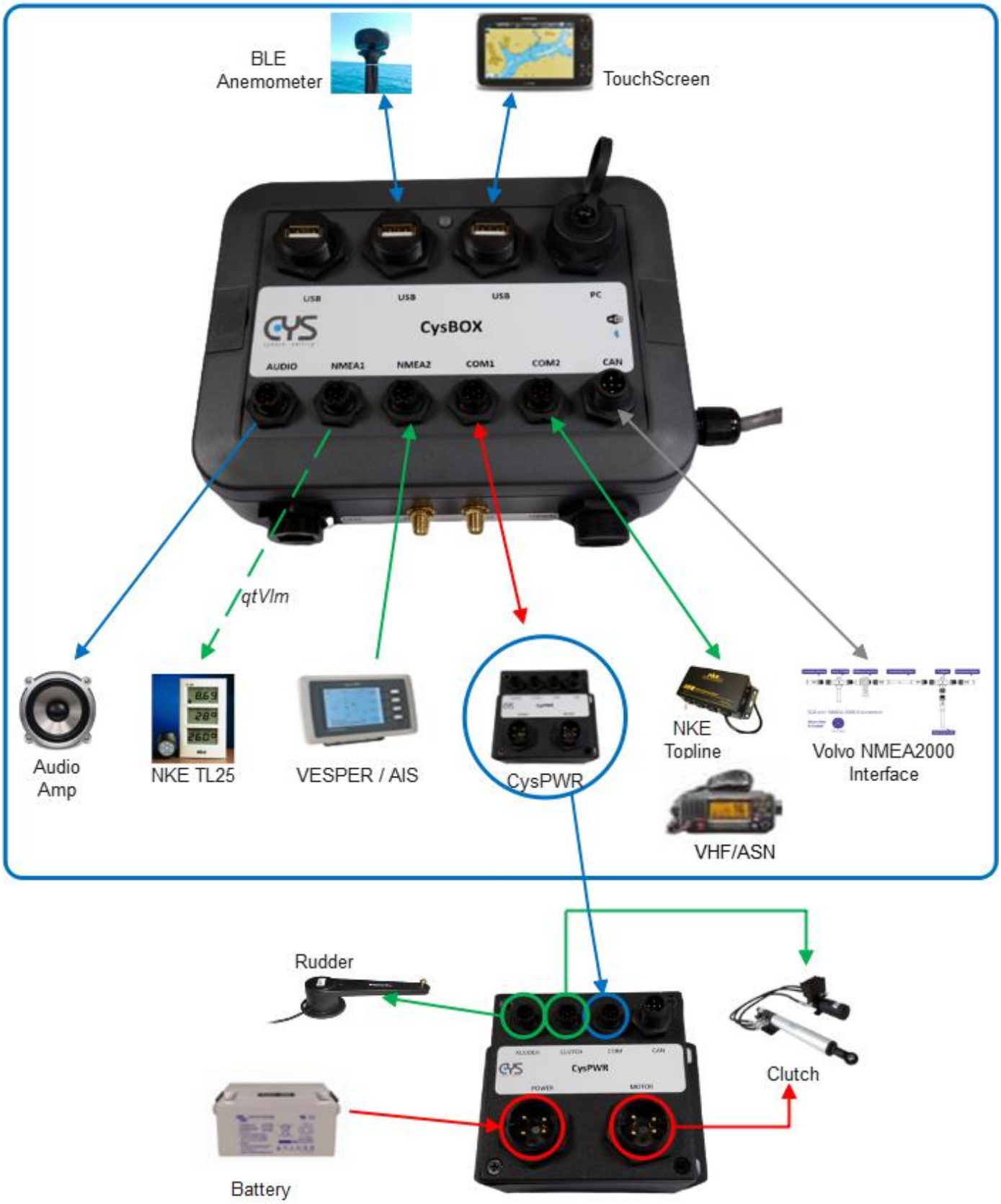
This is an example of the A40 sailboat equipment used for intensive autopilot testing



Setting file "cypilot_serial.conf" :

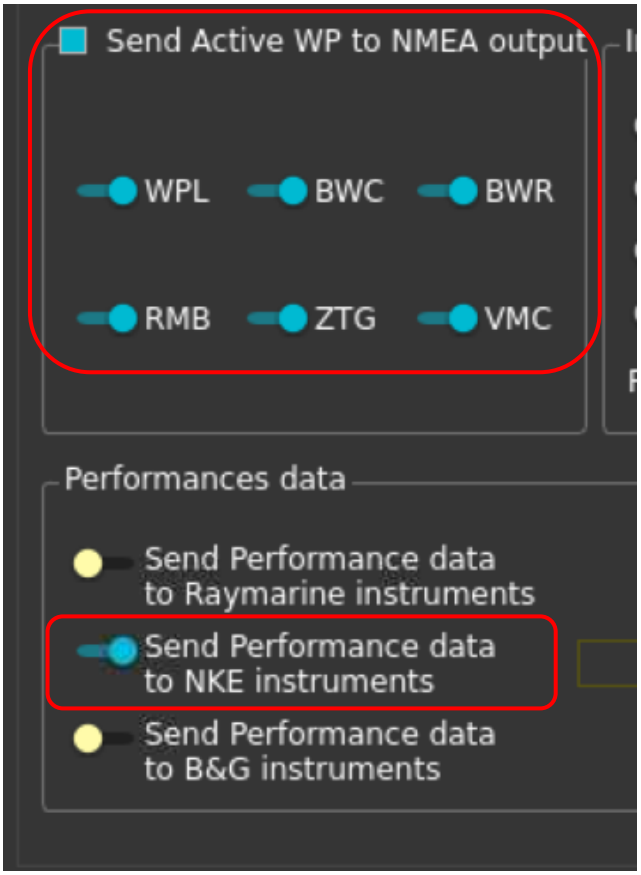
```
[
    {
        "path": "/dev/ttysNMEA2",
        "baudrate": 38400,
        "protocol": "nmea",
        "input_filter": [
        ],
        "output_msgs": [
        ],
        "description": "Vesper AIS Input"
    },
    {
        "path": "/dev/ttysCOM1",
        "baudrate": 38400,
        "protocol": "servo",
        "input_filter": [
        ],
        "output_msgs": [
        ],
        "description": "CysPWR Rudder Servo Input/Output"
    },
    {
        "path": "/dev/ttysCOM2",
        "baudrate": 4800,
        "protocol": "nmea",
        "input_filter": [
        ],
        "output_msgs": [
            "RMC","GLL"
        ],
        "description": "NKE Topline / VHF ASN"
    },
    {
        "path": "/dev/ttypCAN",
        "baudrate": 115200,
        "protocol": "nmea",
        "input_filter": [
        ],
        "output_msgs": [
        ],
        "description": "CysBOX NMEA2000 GW Input/output"
    },
    {
        "path": "/dev/ttyuGPS",
        "baudrate": 115200,
        "protocol": "gps",
        "input_filter": [
        ],
        "output_msgs": [
        ],
        "description": "CysBOX U-Blox GPS Input/Output"
    }
]
```

Note: /dev/ttysNMEA1 (ttyUSB0) is directly managed as output to NKE Display by qtVlm software.

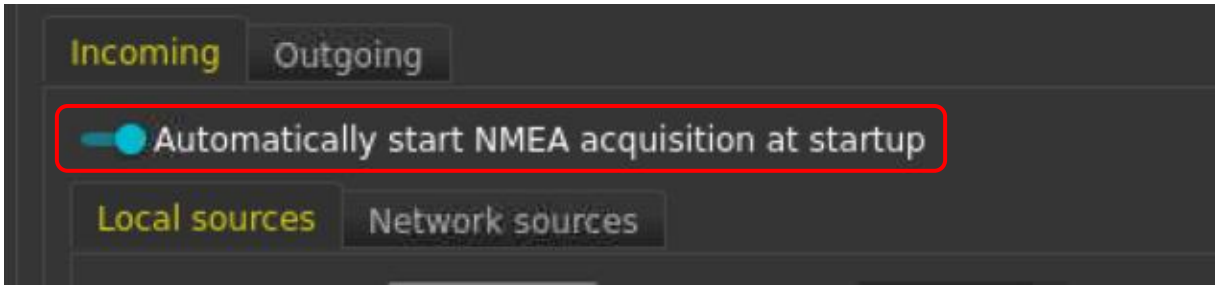
SYMLINK	Device CysBOX V1-V2	Device CysBOX V3	Process
/dev/ttysNMEA1	ttyUSB0	ttyUSB0	qtVlm
/dev/ttysNMEA2	ttyUSB1	ttyUSB1	cypilot
/dev/ttysCOM1	ttyUSB2	ttyUSB2	cypilot
/dev/ttysCOM2	ttyUSB3	ttyUSB3	cypilot
/dev/ttypCAN	ttyUSB4	ttyAMA0	cypilot
/dev/ttyuGPS	ttyACM0	ttyACM0	cypilot

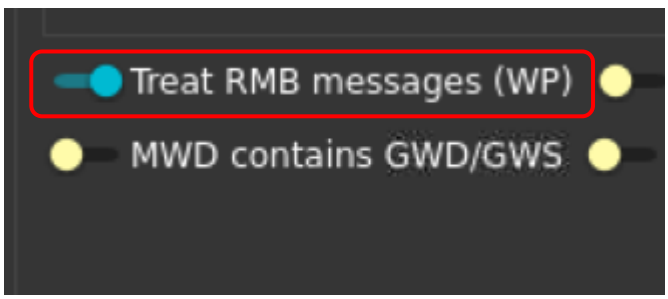
qtVlm settings:

qtVlm→Configuration→Instruments Tab

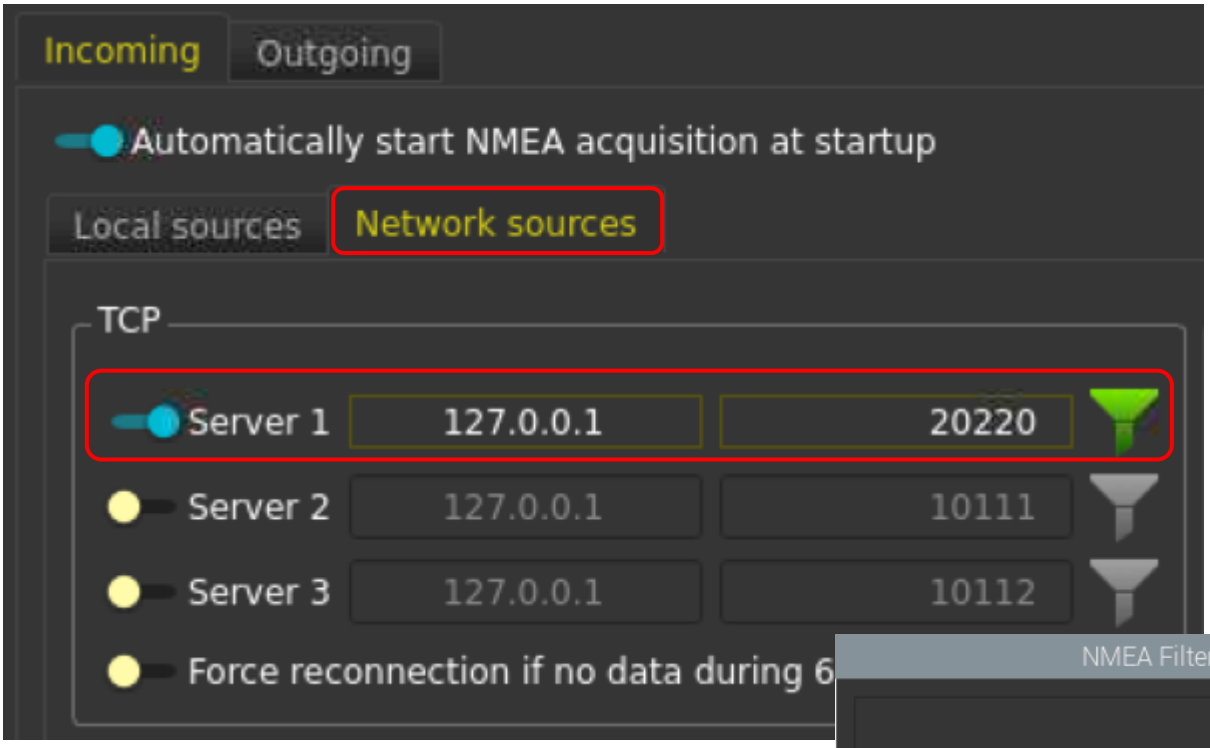


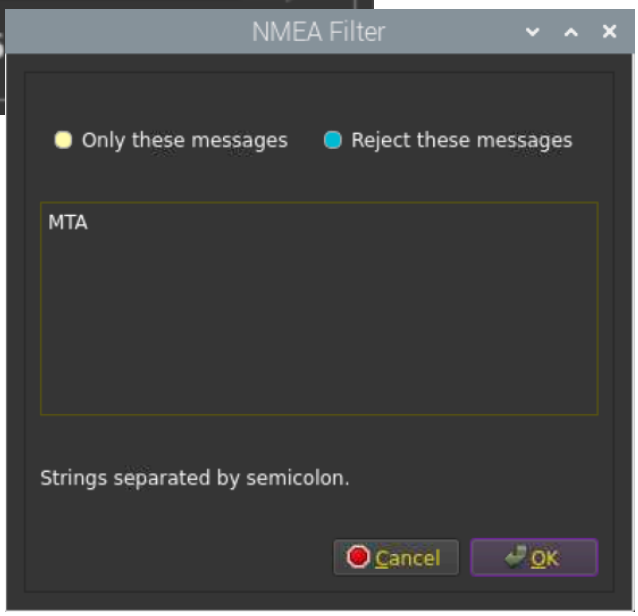
qtVlm→Configuration→NMEA connections Tab→ Incoming – Local sources

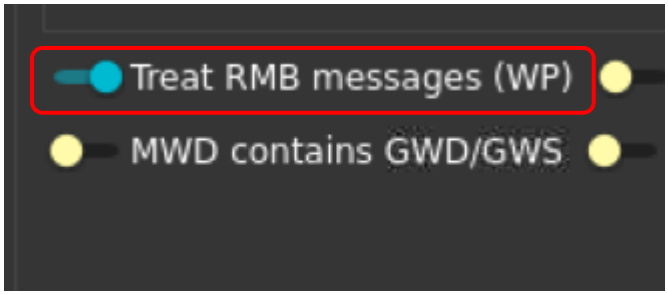




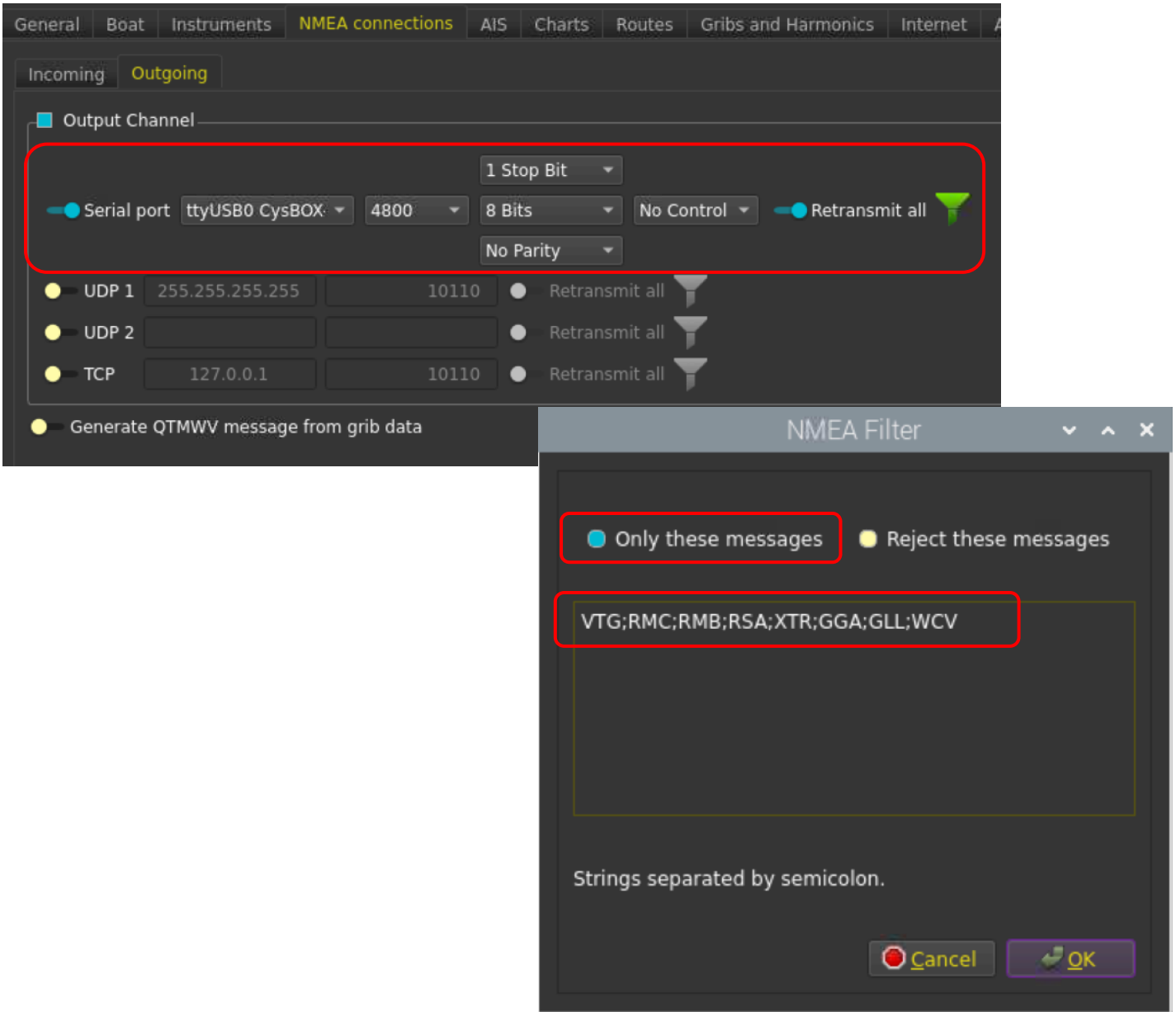
qtVlm→Configuration→NMEA connections Tab→ Incoming – Network sources







qtVlm→Configuration→NMEA connections Tab→ Outgoing



Some photos of the equipment of the A40 sailboat used for the autopilot tests: