

Chapter 3: Chassis control command issuance

(based on ROS messages)

3.1 Preparatory matters

(Note: the stile needs to be set up in case of accidents)

1. Open the terminal: candump can0 and enter the command to see if the communication between the controller and the chassis is normal.

```
02 00 00 01 F4 01 F4 F0
cane
     500
                02 00 00 00 00 00 00
can0
cane
                 02 00 00 00 00 00 00 00
                 00 01 00 00 20 00 14 00
can0
cane
                00 00 00 00 00 00 00
can0
                 01 00 00 00 00 00 00 00
cane
                 01 04 00 00 00 00 00 00
can0
     104
                 01 00 00 01 F4 00 00 00
cane
can0
                 01 00 00 00 00 1F 00 00
cane
                 60 61 60 60 60 60 60
                 00 00 00 00 00 00
can0
                 00 00 00 00 00 00 00
cane
can0
                 00 00 00 00 00 00 00
cane
                   B6
                      70
                         33
```

如过没有出现can0, can1, 表示can驱动启动失败

• 如果是晨曜工控机, 请执行以下

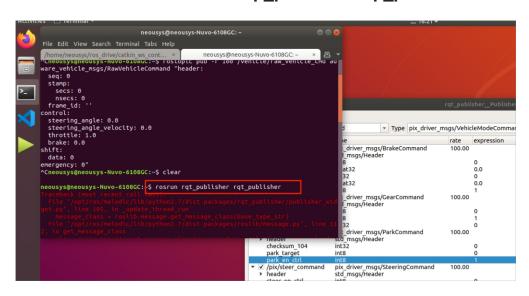
• 如果是集合诚工控机,请执行以下

2. Start pix_driver: roslaunch pix_driver pix_driver.launch

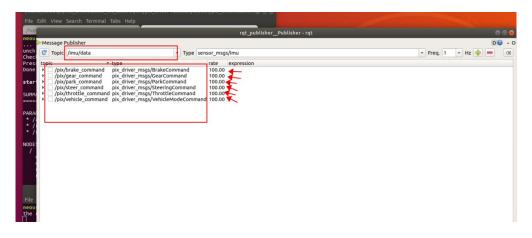
3. Launch socketcan_bridge: roslaunch socketcan_bridge socketcan_bridge.launch

3.2 Speed, steering, brakes.

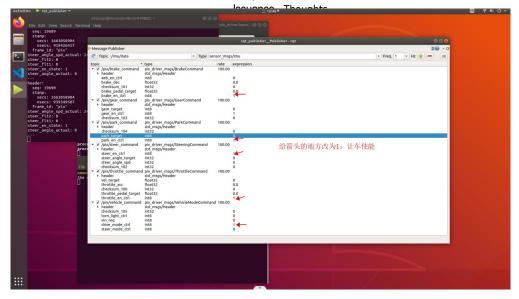
Start the ros tool: rosrun rqt_publisher rqt_publisher



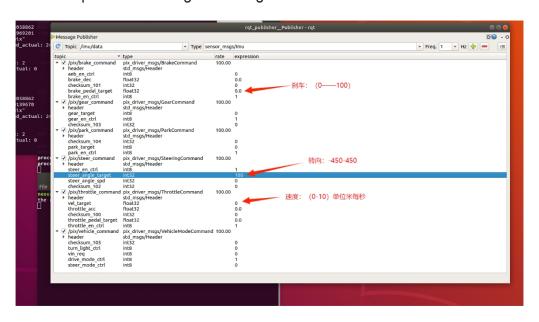
Topic add the following topics: brake_command gear_command park_command throttle_command vehicle_command then rate to 100



And then enable the



Give the speed or steering or braking value.



Remote control decentralization: gear-N, self-driving, speed



3.3 Parking, gears

Enter the value of the gear or park, decentralization

