

## ISSUE 集

執行 kubot\_bri 時會做下位機檢查，

終端機畫面若如下：

```

Applications Places System
• /home/kubot/kubot_ros/ros_ws/src/pibot_bringup/launch/bringup.launch http://192.168.171.5:11311
File Edit View Search Terminal Help
=====
PARAMETERS
* /pibot_driver/base_frame: base_link
* /pibot_driver/buadrate: 115200
* /pibot_driver/cmd_vel_topic: cmd_vel
* /pibot_driver/odom_frame: odom
* /pibot_driver/odom_topic: odom
* /pibot_driver/out_pid_debug_enable: True
* /pibot_driver/port: /dev/pibot
* /pibot_driver/publish_tf: True
* /rostdistro: kinetic
* /rosversion: 1.12.14

NODES
/
  pibot_driver (pibot_bringup/pibot_driver)

auto-starting new master
process[master]: started with pid [2976]
ROS_MASTER_URI=http://192.168.171.5:11311

setting /run_id to 8db176c0-f157-11e9-a9b3-b827ebca5c48
process[rosout-1]: started with pid [3003]
started core service [/rosout]
process[pibot_driver-2]: started with pid [3006]
[ INFO] [1571369401.179990820]: port:/dev/pibot buadrate:115200
[ INFO] [1571369401.232126236]: out_pid_debug_enable:1
[ INFO] [1571369401.252504778]: BaseDriver startup
Failed to open the serial port
Error info is open: No such file or directory
[ERROR] [1571369401.254501549]: oops!!! can't connect to main board
pibot_driver: /usr/include/boost/smart_ptr/shared_ptr.hpp:641: typename boost::detail::sp_dereference<T>::type boost::shared_ptr<T>::operator*() const
[with T = boost::asio::basic_serial_port<>; typename boost::detail::sp_dereference<T>::type = boost::asio::basic_serial_port<>]: Assertion 'px != 0'
failed.
[pibot_driver-2] process has died [pid 3006, exit code -6, cmd /home/kubot/kubot_ros/ros_ws/devel/lib/pibot_bringup/pibot_driver __name:=pibot_driver
log:=/home/kubot/.ros/log/8db170c0-f157-11e9-a9b3-b827ebca5c48/pibot_driver-2.log].
log file: /home/kubot/.ros/log/8db170c0-f157-11e9-a9b3-b827ebca5c48/pibot_driver-2*.log

```

可能原因：	解決方法
樹莓派沒有連接下位機	檢查下位機 USB 是否正常插入樹梅派
下位機的 USB 壞了	換一條 USB 傳輸線
下位機壞了	返廠維修

在終端機輸入 ls /dev/pibot -l 應回覆如下圖：

```

kubot@kubot ~$ ls /dev/pibot -l
lrwxrwxrwx 1 root root 7 18 11:36 /dev/pibot -> ttyUSB0

```

若不是，請拔掉所有 USB 後重插。或定義 USB kernel、rule

KUBOT  
用戶手冊

若如下圖：

[illegible]

可能原因：	解決方法
與下位機波特率錯誤	依照第二章重新設置基礎環境
IMU 故障	換一顆 GY85 返廠維修
馬達未接	檢查馬達接線是否有接入下位機

若如下圖：

[illegible]

可能原因：	解決方法
-------	------

# KUBOT

## 用戶手冊

IMU 故障	換一顆 GY85 返廠維修
--------	------------------

若測試 kubot\_linear 時小車均無法直線行走(些微誤差正常)、或是偏差度太大。

可能原因：	解決方法
馬達壽命已到	返廠維修
馬達過度使用	返廠維修
輪子上有異物(髒污、口香糖等)	手動處理
地面打滑	換場地試試

若測試 kubot\_angular 時小車均無法原地旋轉(些微誤差正常)、或是偏差角度太大。

可能原因：	解決方法
馬達壽命已到	返廠維修
馬達過度使用	返廠維修
輪子上有異物(髒污、口香糖等)	手動處理
地面打滑	換場地試試