

Kvaser Blackbird 黑鸟



Quick Network Setup Guide (AdHoc Mode)

快速网络安装指南

(点对点模式)

Things you should know before you start:

- This document is only prepared and suitable for Kvaser Blackbird HS/HS – 00453-5 and Kvaser Blackbird HS – 00441-2
- Please make sure you have the latest driver installed and firmware upgrade into the interface
- For downloading the latest driver, firmware, software...etc.,
Please visit <http://www.kvaser.com/en/downloads.html>

使用前须知:

- 本指南只适用于 Kvaser Blackbird HS/HS – 00453-5 与 Kvaser Blackbird HS – 00441-2
- 使用前, 请确保您已经安装最新的驱动以及更新产品固件
- 获取最新的产品驱动以及固件...等.,
请浏览 <http://www.kvaser.com/en/downloads.html>

Step 1 第一步

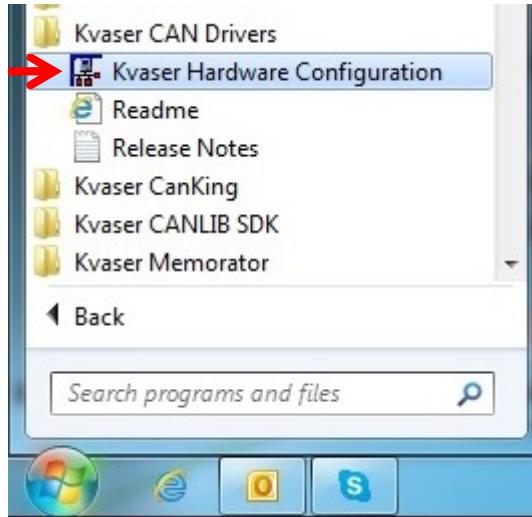


Figure 1.1

- 安装 Kvaser 产品驱动，用户可以使用安装盘里面的驱动 或者从网站下载最新版本 <http://www.kvaser.com/en/downloads.html>
- 驱动安装完毕后，重启电脑，然后从电脑的 USB 接口里插入 Kvaser Blackbird.
- 驱动安装完成后，Kvaser 硬件专用配置软件“Kvaser Hardware Configuration”会安装在视窗开始功能键的文件夹里面
- 打开“Kvaser Hardware Configuration”

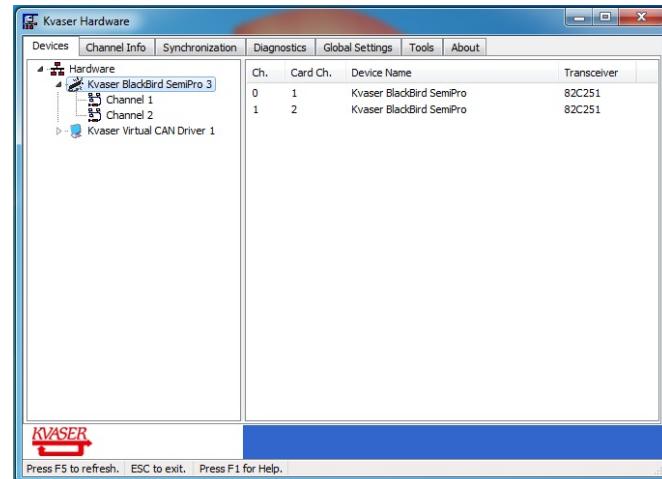


Figure 1.2

- The “Kvaser Hardware Configuration” Tool should be available in Windows Start Menu
- Open “Kvaser Hardware Configuration” Tool

Step 2 第二步

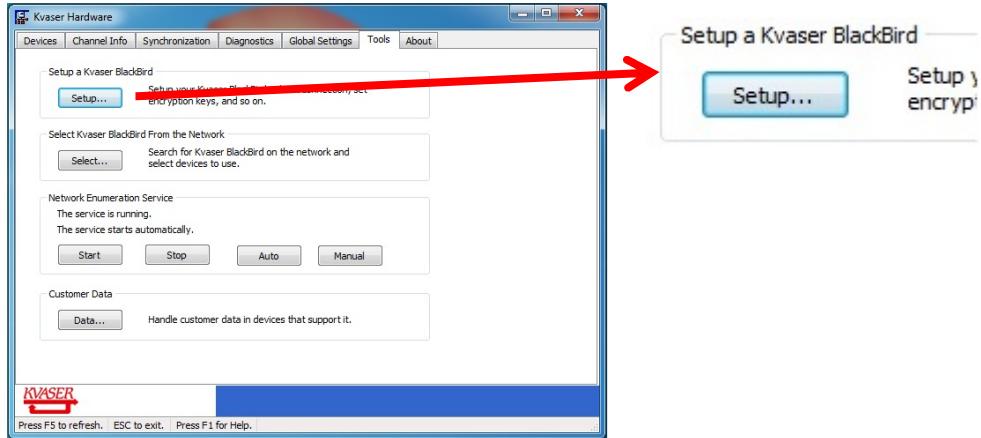


Figure 2.1

- 确认 Kvaser Blackbird 成功安装并显示在“Kvaser Hardware Configuration”后，点击“Tools”标签。在第一个选项“Setup a Kvaser Blackbird”内按下功能按钮“Setup...”
- 新窗口会打开并且选择您需要配置的 Kvaser Blackbird，然后开始进行网络参数配置。

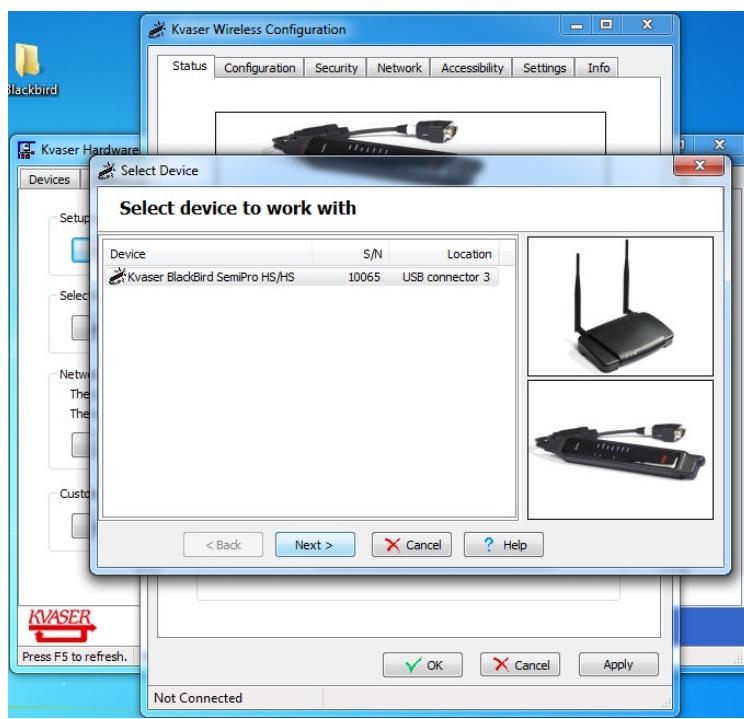


Figure 2.2

- Make sure Kvaser Blackbird is successfully installed, detected and displayed by the “Kvaser Hardware Configuration” Tool. Click the “Tools” tab page. In the first options of “Setup a Kvaser Blackbird”, click the “Setup” button
- A new configuration windows will pop up, user has to choose the Kvaser Blackbird to be configured.

Step 3 第三步

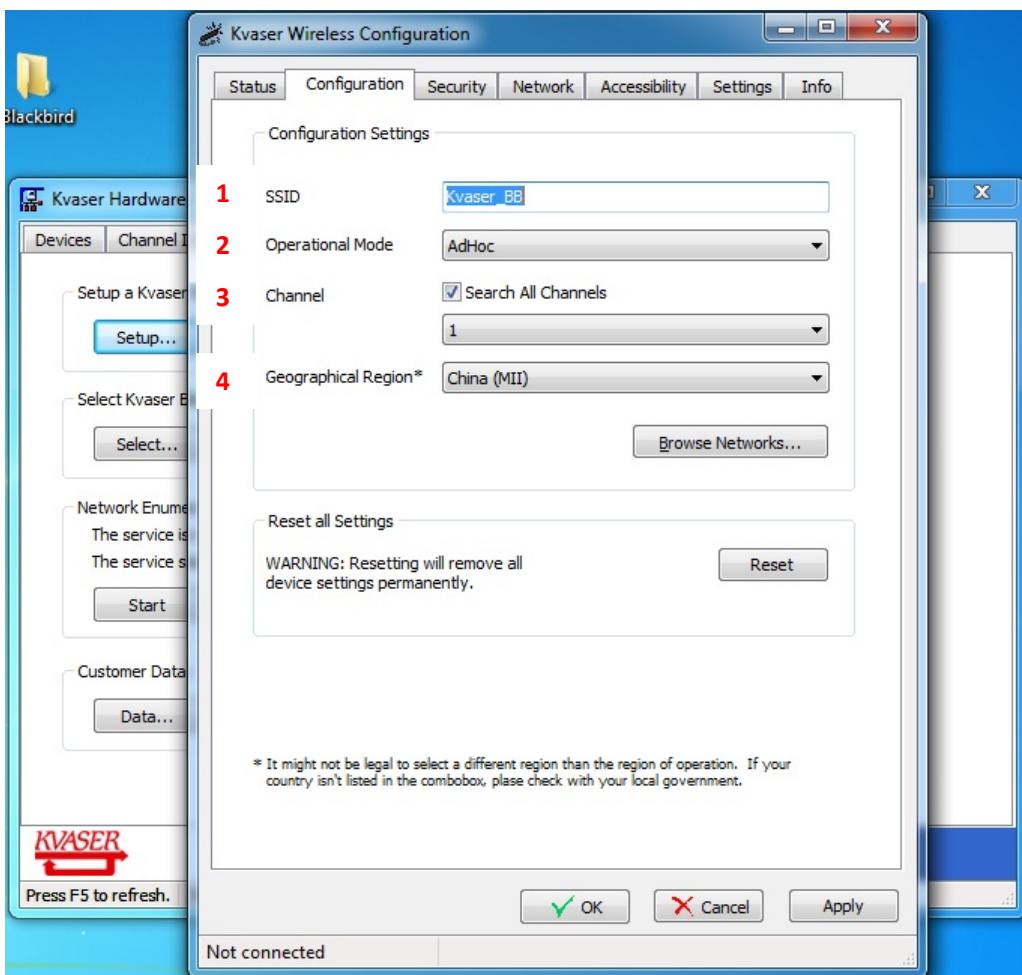
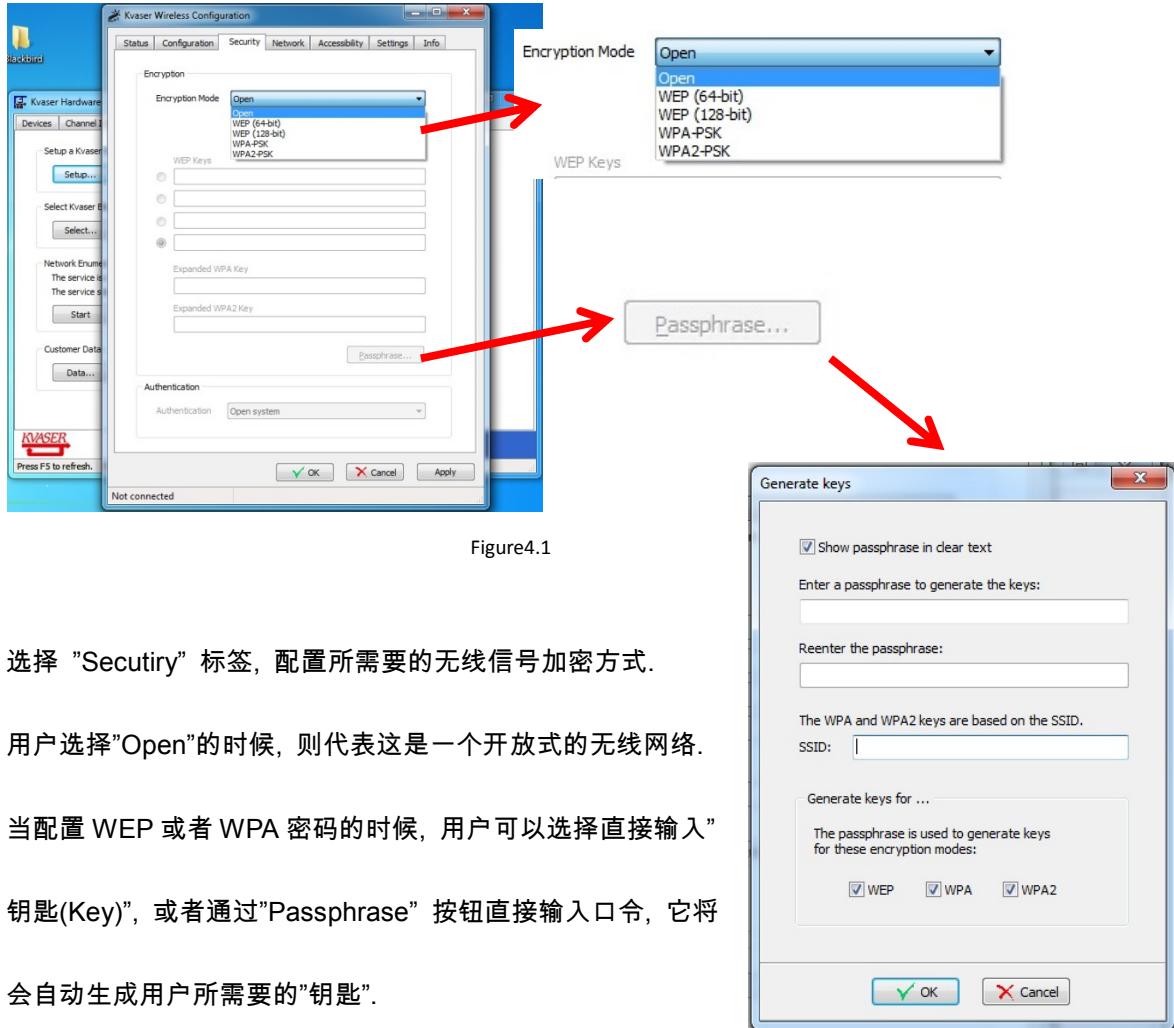


Figure 3.1

- 在无线配置视窗内，选择 “Configuration” 标签，并配置/输入一下几项参数
 1. SSID – KvaserBlackbird 在无线广播时候所用的网名(图例为:Kvaser_BB)
 2. Operation Mode – 连接方式(图例为: AdHoc)
 3. Channel – 无线频道(图例为: 1)
 4. Geographical Region – (图例为: 中国)
- In wireless configuration window, select “Configuration” tab page then input the followings parameters
 1. SSID – The wireless network name to be used(Example: Kvaser_BB)
 2. Operation Mode – connection type(Example: AdHoc)
 3. Channel – (Example: 1)
 4. Geographical Region – (Example: China)

Step 4 第四步



- 选择 “Secutiry” 标签，配置所需要的无线信号加密方式.
- 用户选择”Open”的时候，则代表这是一个开放式的无线网络.
- 当配置 WEP 或者 WPA 密码的时候，用户可以选择直接输入”钥匙(Key)”，或者通过”Passphrase” 按钮直接输入口令，它将会自动生成用户所需要的”钥匙”.

- Select “Security” tab page in order to configure security encryption for the wireless radio.
- When you select “”Open”, which mean this is an open network for the radio link.
- If you configure WEP or WPA encryption, you can enter the encryption key directly or using the “Passphrase” to generate a key.

Step 5 第五步

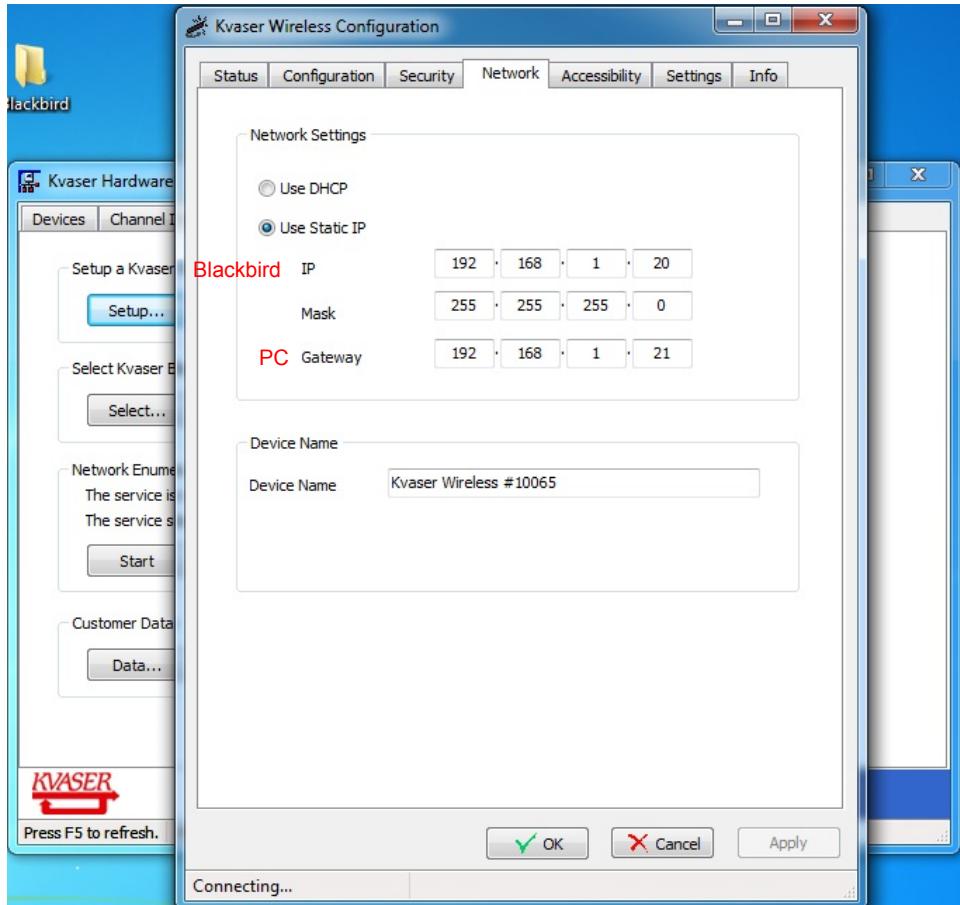


Figure 5.1

- 选择“Network”标签，配置所需要的 IP 地址。
- 当点对点配置的时候，建议用户输入固定 IP 地址(Static IP)
- IP 地址为 Blackbird 自身所用的地址(图例: 192.168.1.20)
- 输入子网(图例为: 255.255.255.0)
- Gateway 地址为您需要连接的电脑的 IP 地址(图例 192.168.1.21)
- IP 地址配置完成以后，点击网络配置视窗右下方的“Apply”按钮，把配置参数写入 Blackbird.
- 写入完成以后，可以点击“OK”把网络配置视窗关闭.

- Select “Network” tab page. Configure the IP address.
- We suggest you use a static IP for AdHoc Mode configuration
- IP address for Blackbird e.g. 192.168.1.20
- Subnet Mask for the network e.g. 255.255.255.0
- Gateway's IP address will be used by the PC that connect with Blackbird e.g. 192.168.1.21
- Click “Apply” Button to complete the configuration then “OK” Button to close the windows.
- Configuration on the Kvaser Blackbird is completed.

Step 6 第六步

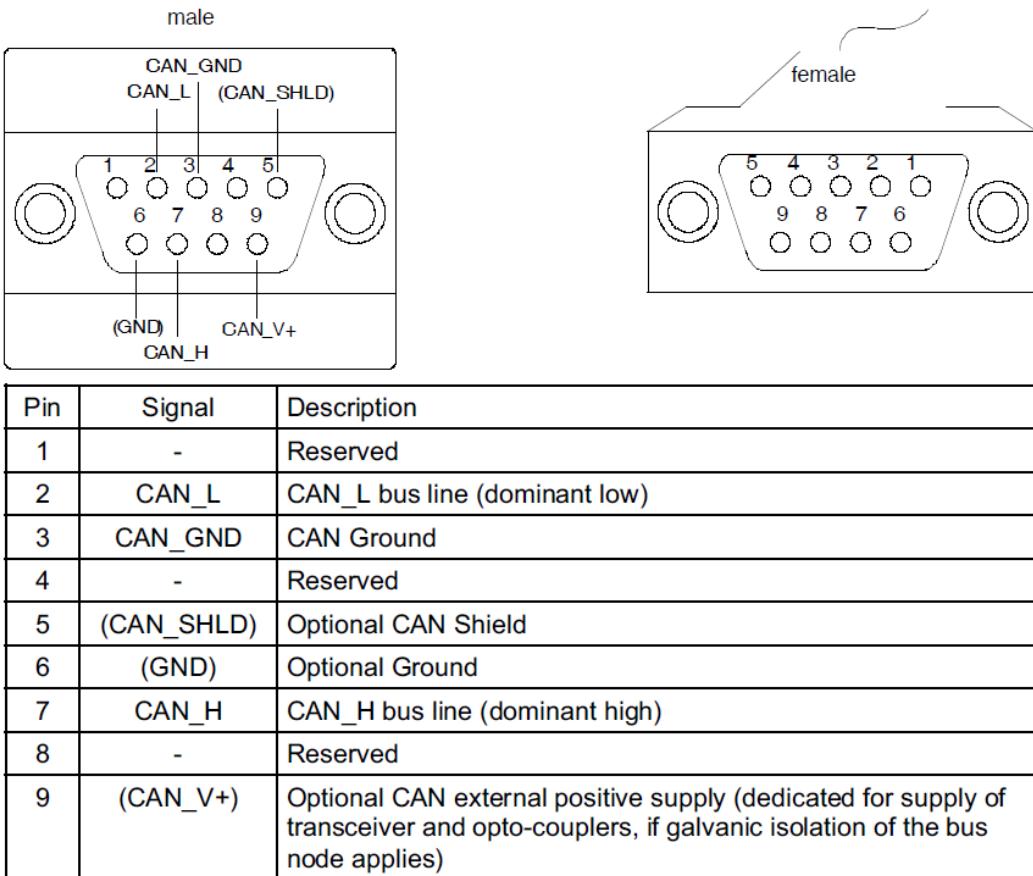


Figure 6.1

- Blackbird 的网络配置设定已经完成，您可以把 Blackbird 从电脑拿走，进行下一步的配置。
- 注意 Blackbird 是需要通过外部供电才能独立工作的。
- 7-40V 之间的直流电源必须连接在通道 1(Channel 1) 的 DSUB-9 接头内。详细的针脚安排请参考图例 6.1

- Once the configuration for Kvaser Blackbird is completed, you may now unplug the interface from the PC for the next step of wireless pairing.
- Please note that Kvaser Blackbird requires external power supply.
- A 7-40V DC power supply has to be connected to the DSUB-9 connector on Channel 1. Please look at the figure 6.1 for the pin out of the connector

Step 7 第七步



Figure 7.1

- 当 Kvaser Blackbird 上电以后, Blackbird 的无线功能马上能够工作.
- 这个时候您可以在电脑上搜寻 Blackbird 无线网络, 并且直接连接
- Once the Kvaser Blackbird has been powered on. Wireless network is available.
- You may now use your PC to search for the Blackbird wireless network and connect straight away.

- 连接以后, 马上在无线网络上点击鼠标右键打开无线网络的状态(Status), 进行下一步电脑端的 IP 地址配置
- Once the wireless network has been connected, right click on the Blackbird wireless network and open the ‘Status’ of it.

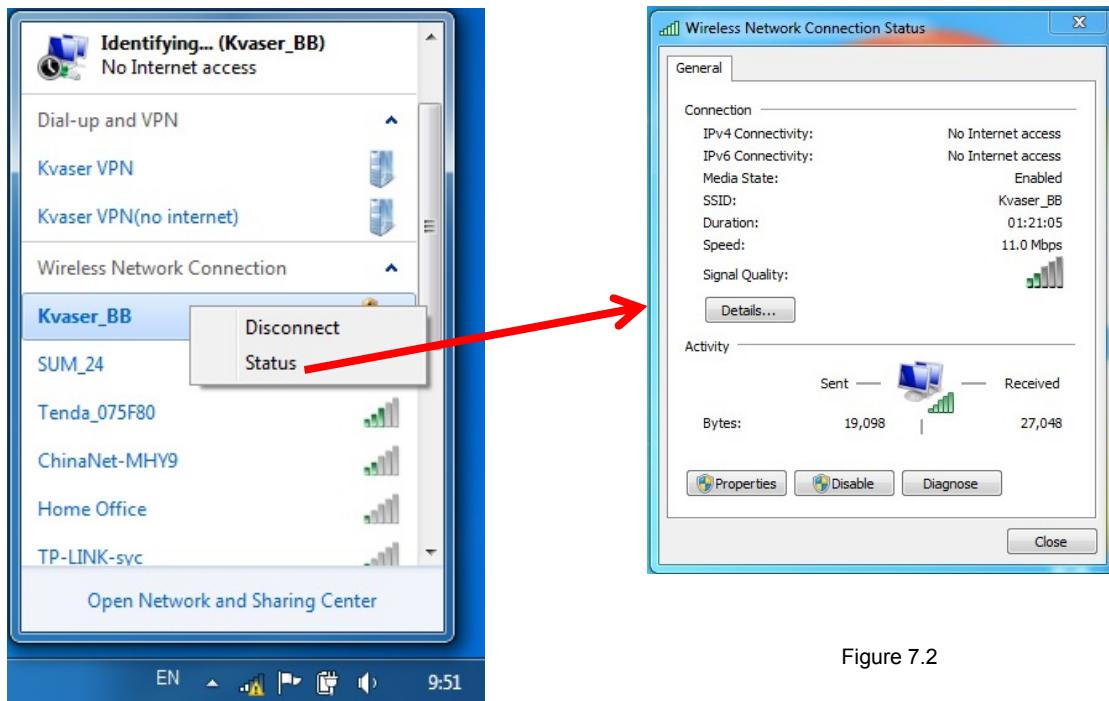


Figure 7.2

Step 8 第八步

- 在无线网卡的状态表里面，点击”properties”打开无线网卡属性，并且双击 IPv4 选项，修改 IP 地址
- 电脑的 IP 地址为(图例: 192.168.1.21)
- 输入子网(图例为: 255.255.255.0)
- Gateway 为之前给 Blackbird 配置的 IP 地址(图例 192.168.1.20)
- Open the properties of the wireless network connection, and then choose IPv4 for configuration.
- The IP address for PC e.g. 192.168.1.21
- Subnet mask e.g. 255.255.255.0
- The gateway is the IP address which previously set for Blackbird e.g. 192.168.1.20

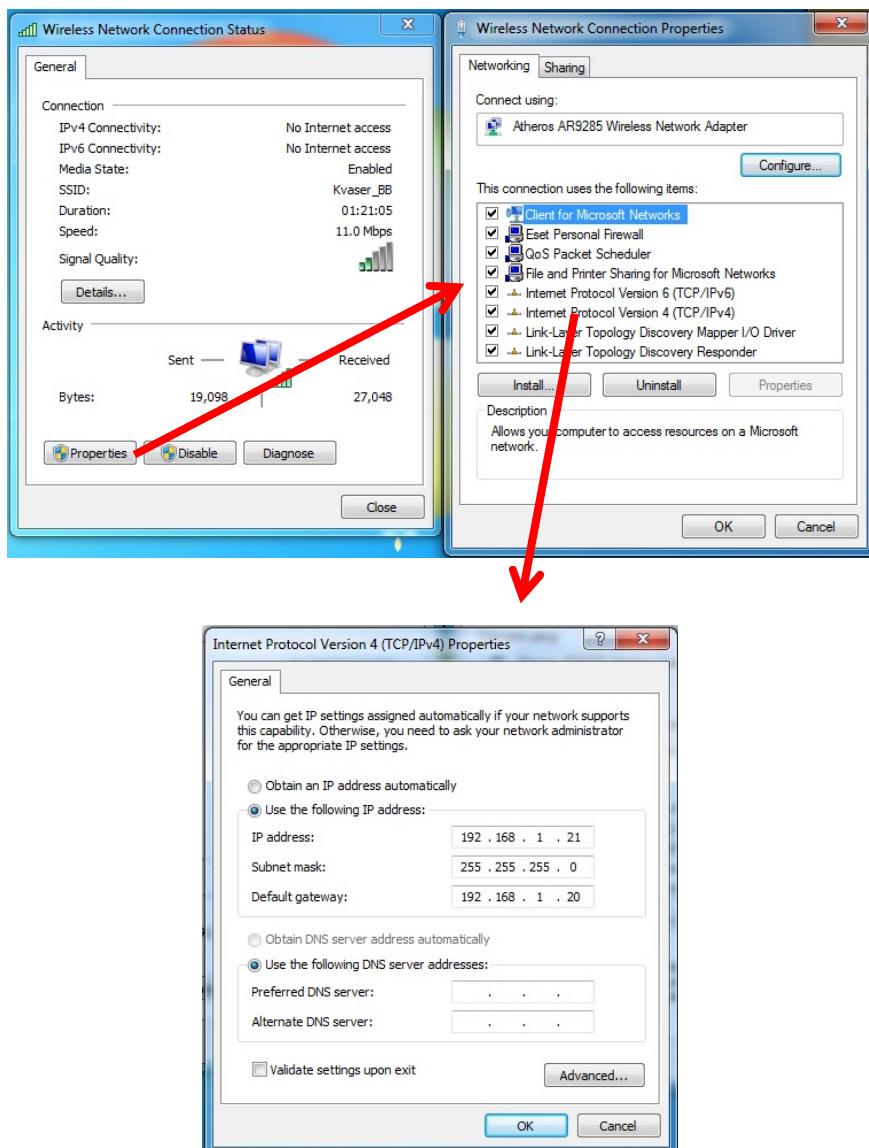


Figure 8.1

Step 9 第九步

- 电脑的 IP 地址成功配置以后，重新打开“Kvaser Hardware Configuration”软件(参考第一步)并点击“Tools”标签(参考第二步)
- 在第二个选项“Select Kvaser Blackbird from the network” 内按下功能按钮“Select...”
- Once the IP address is successfully configured for the PC. Reopen the “Kvaser Hardware Configuration” Tool(See step 1 above) and select the “Tools” tab page(See step 2 above)
- On the second options “Select Kvaser Blackbird from the network”, click the “Select...” button.

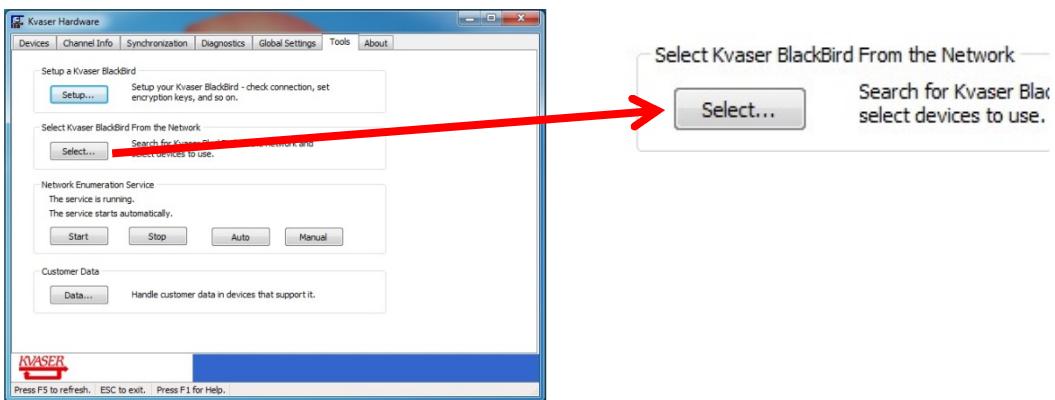


Figure 9.1

- 新的窗口“Kvaser Network Device Selector” 会弹出，连接在 PC 的 Blackbird 无线网络会被显示，如果没有，请点击左上角的刷新按钮“Refresh List”
- A new window of “Kvaser Network Device Selector” will be popped up. Current available Blackbird wireless connection will be shown, if not, press the “Refresh List” Button

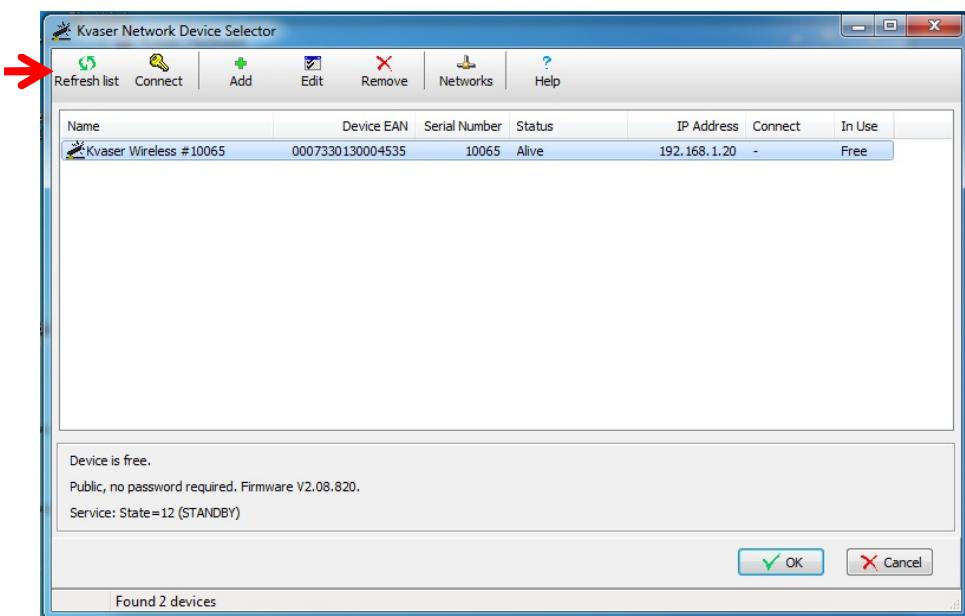


Figure 9.2

Step 10 第十步

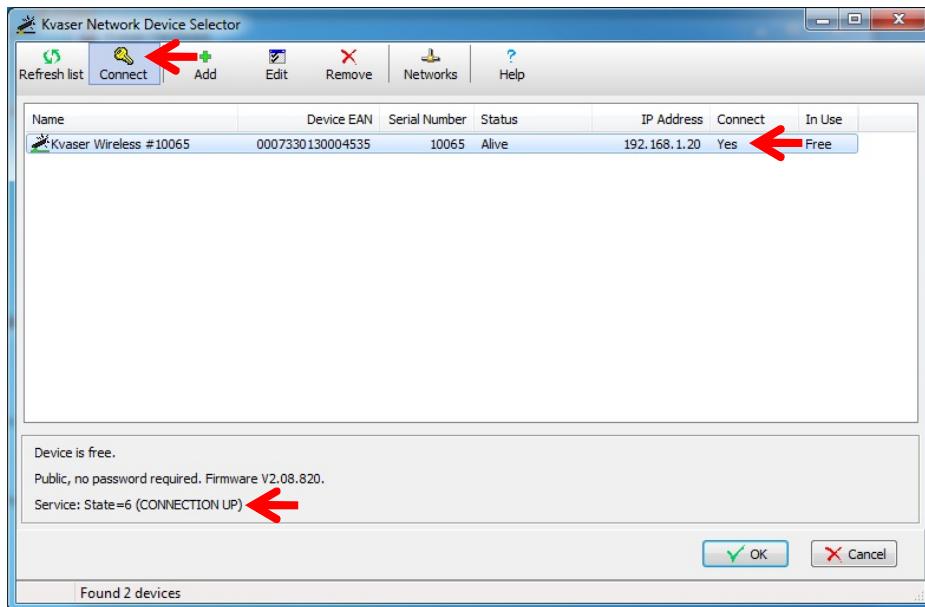


Figure 10.1

- 选择一连接的 Blackbird 无线网络并且点击上面的连接按钮"Connect"
- 恭喜您，所有点安装步骤已经完成，您可以返回"Kvaser Hardware Configuration"软件的主菜单上，点击"Device" 标签，并发现 Kvaser Blackbird 已经连接并显示为(remote)，
- Select a wireless connected Blackbird then click the "Connect" button above
- Go back to the main windows of "Kvaser Hardware Configuration" and select the "Device" tab page. You will find the Kvaser Blackbird has become a "Remote" device.

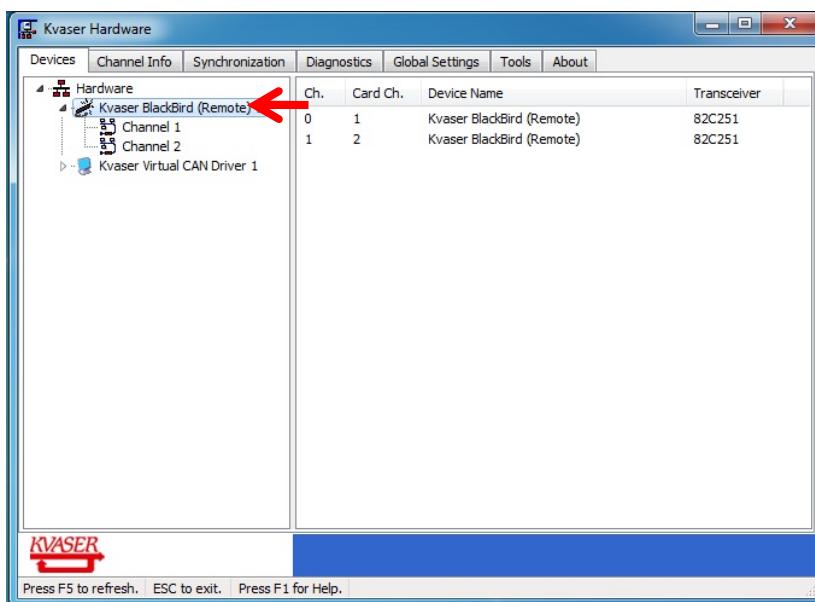


Figure 10.2