

APPLE MAC OS X QUICK START GUIDE

# For the Wireless ASUS 167G USB Dongle

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## About this Guide

*In the absence of an official ASUS quick start guide on this device we took the initiative to draft one as a general guide.*

This guide should be considered as unofficial and further technical support cannot be offered from our side. We reserve the right to make changes to this document without prior notice.

## Liability & Applicability



The guide applies to the dongle version sold from us and we cannot guarantee that the information provided can be used for the installation of other versions of this or for other similar devices. Although the exposed information is tested and tried, we carry no liability of the use and effects that the application of this guide might cause.

## System Requirements



This dongle is has approval for worldwide use and it will perfectly work on **any** Apple MAC desktop or laptop running OS X version 10.3 and above as the operating system. Therefore it only required:

- A free USB port. Although USB version 2 is ideal the dongle will also work on USB version 1 but reduced burst transfer rates might be experienced due to the transfer rate limitations of the USB version 1 port.
- OS X 10.3 or above, we are currently unaware of drivers from previous MAC OS versions although they might some available form other sources.
- Wireless access point / router / other wireless device, would be needed to create a wireless link.

## Installation of the drivers



### Download links

Although drivers for OS X 10.3 and 10.4 are already included in the CD it is recommended (particularly for OS X 10.4) to download the most up-to-date drivers directly from ASUS support website linked here:

<http://support.asus.com/download/download.aspx?model=WL-167g&SLanguage=en-us>

At the moment of compiling this guide the most up to date drivers are the following:

- For OSX 10.3 & 10.4:

[http://dlsvr01.asus.com/pub/ASUS/wireless/WL-167g/MAC\\_1130.zip](http://dlsvr01.asus.com/pub/ASUS/wireless/WL-167g/MAC_1130.zip)

Please unzip the downloaded file and double click the resulting installation file. Follow the on screen dialogs to complete the installation.

Finally reboot your MAC as suggested by the installation procedure.

### F.A.Q.



**Q:** How to I find out the MAC OS X version I have?

**A:** Please click on the apple sing at the left top corner of your screen and select "About this Mac".

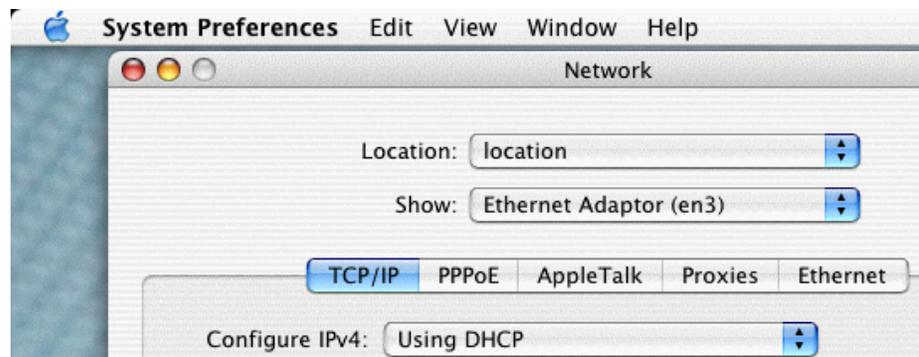
## OS X Configuration

At this point connect the dongle to an available USB port (please note that in some cases USB hubs, like keyboards with additional ports, that do not have external power supply might be short of power - please then try an alternative port). To use this dongle as your network adaptor do the following:

1. Go to System Preferences and select Network for the available icons:



2. An info box might appear letting you know that a new network adaptor has been located. In *Network* this new adaptor is called Ethernet Adaptor (en1) but the final number might be bigger.



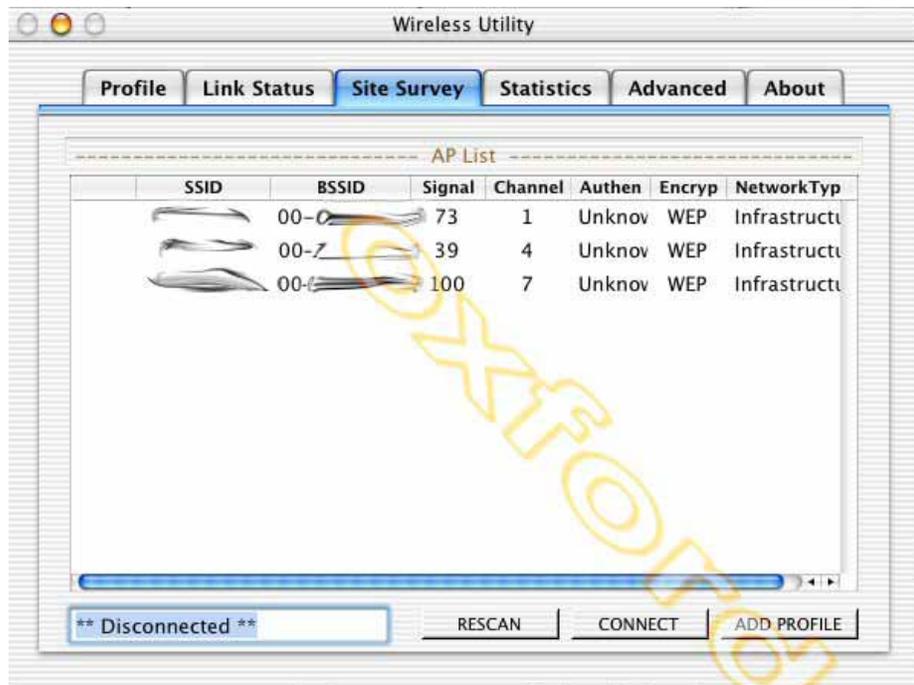
3. Select to use **DCHP** (most common, but expert users may need to modify that) and **apply** the new settings. Exit System Preferences.

## Wireless Utility

The wireless bridge / connection to the wireless access point (any kind including airport, wireless router –modem, hotspot, ad-hoc - point-to-point, etc) is managed within the utility program provided with the drivers.



1. Go the Applications folder of the hard disk where you have installed the drivers. Scroll down to the USBWirelessUtility and launch that.
2. The application will automatically scan for wireless networks available in the proximity and the Site Survey tab will list them.



### F.A.Q.



**Q :** My wireless network is not found after scanning the site.

**A :** Please make sure that your **SSID** is not set as hidden in your router configuration. If that is the case and you do not know the SSID of your network please set the router to broadcast its **SSID**.

Otherwise please place the dongle in a position that detects better the signal: you can try to go closer, orient it to different directions or add the included usb extension lead for better results.

3. To connect to a network that you would like to use regularly please choose **Add Profile** otherwise just choose **Connect**.
4. Type in the **Profile Name** of your choice and select the **SSID** of the network you would like to connect to.
5. Now, in the **Authentication & Security** tab, select the **Authentication Type** method and the **Encryption Type** for this network from the drop down menus. According to the choices made here a WPA passkey or WEP key(s) in the correct format would be necessary (see the following 2 pictures).

If you do now these parameters for the network you want to connect to please ask the network administrator or log in to the router as administrator to find them out or reset them in to new values.

Connection settings to a public networks or hotspots are usually set to **None** (no encryption or authentication methods). Those networks will either let you connect freely or prompt for subscription / payment details.

WPA Pass-key selected

## F.A.Q.



**Q :** How can I log in to my router / access point?

**A :** Please connect to your router either wirelessly or via an ethernet cable. Go to your browser and in the address bar type 192.168.0.1 and the hit enter. This will prompt you for the admin password if one has been already setup or it will give you direct access to the configuration of the device if an admin password has not been setup.

The above will be true for most of the routers but the numeric IP address and or the procedure might differ from model to model. Please consult your manual for further details.

Profile Name  SSID

System Configuration Authentication & Security

Authentication Type

Encryption Type

WPA Pre-Shared Key

Box

Key#1 ASCII

Key#2 Hexadecimal

Key#3 Hexadecimal

Key#4 Hexadecimal

OK CANCEL

WEP encryption method selected

6. In the System Configuration tab select the **Power Saving Mode** desired and the **Network Type** of the connection you are setting up. Leave that selected to **Infrastructure** if you are setting a connection to your router / access point.
7. Leave the rest of the settings to the default ones (unless you want to experiment or you are an expert already!), and click **OK**.

Profile Name  SSID

System Configuration Authentication & Security

Power Saving Mode

CAM (Constantly Awake Mode)  Power Saving Mode

CAM when AC Power

Network Type  Tx Power

11B Preamble Type

RTS Threshold

Fragment Threshold

OK CANCEL



## Finally free of cables...



Only few seconds after clicking the OK button you should be connected wirelessly to your access point /router. If the latest has an active connection to the internet (or other network) you should be able to access it straight away. Open for example your browser and try to download a page...voila!

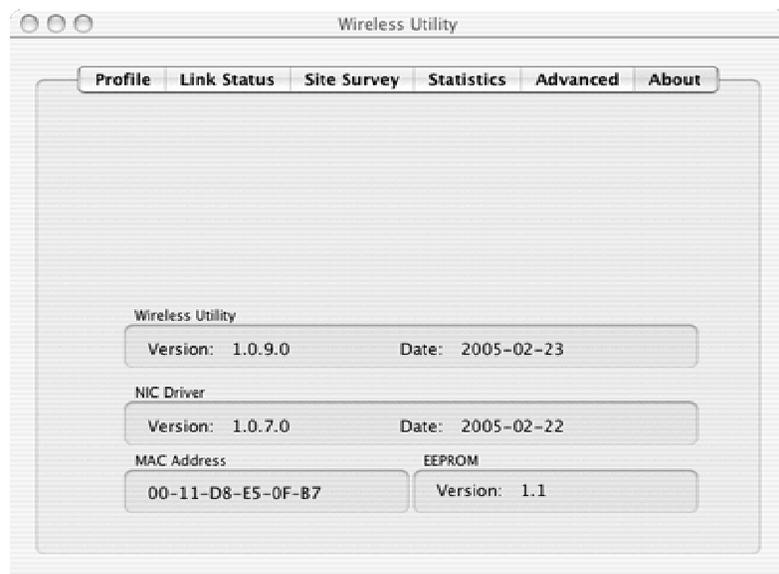
We have a very large customer base all extremely happy with the quality and performance of this item. Please check customer feedback in our eBay account.



In case though that an issue was present during the installation of this adapter, please see the following on-going list of **F.A.Q.** / **troubleshooting notes**. We intend to keep this list up-to-date with the most common questions and issues:

- Q** : All the authorization & encryption settings are in place but my connection cannot be established.

**A** : Please make sure that your router is not restricting access according to pre-approved adapters, based on their **MAC Address**. If yes, then please include your adapter to this list. You can find its MAC address on the box, the adapter it self or through the utility in the About tab.



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**2. Q :** The new network adapter entry does not appear among the choices in Network (System Preferences).

**A :** Please make certain that the correct version of drivers were installed in your system (they differ between OSX 10.3 and OSX 10.4). If correct please remove the dongle and try to reboot and install them again.

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**3. Q :** The LED lights do not flash at all.

**A :** This can happen if the USB port in use is not powered sufficiently. Usually your MAC will tell you if that is the case. If in doubt please try an alternative port.

If the problem persists if possible try the dongle on a different machine or contact us or ASUS Support for further assistance.

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**4. Q :** The dongle and the driver installation appear to be working fine but the connection repeatedly disconnects and reconnects

**A :** Please check again your configuration parameters for this router. If the problem persists please contact us for further assistance.

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**5. Q :** I only have **USB port(s) version 1** in my MAC. Will it work?

**A :** Yes it will work perfectly on it. Though due to the reduced burst transfer rate of this interface the maximum speed of connection will be affected. In practice this will mean that normal internet browsing and email will be working at a good usable speed but maximum file transfer speed will be reduced significantly.

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**6. Q :** What is the **minimum requirements** for MAC? Will it work in my MAC mini?

**A :** Whatever hardware you are using this dongle will be compatible and it will run properly with it. If your hardware can run OS X 10.3 or above then it will also run this dongle.

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**7. Q :** How does this dongle compare to the **Apple Airport Cards**?

**A :** This an external device and therefore is easier to install and uninstall. That makes it also more compatible as it only requires a USB port.

Speed wise this is about 5 times faster the original Airport Card and at least as fast as the Airport Extreme Card.

Price wise this costs only a fraction of the cards promoted from Apple and does the exactly the same job.

Equipment Quality is high in all the above devices.

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**8. Q :** Would I be able to connect to my **Airport Base Station** (all types)?

**A :** Yes, absolutely. This dongle will work harmonically with it and you can still use the airport configuration tools for those base stations.

It will also perfectly work with any base station / router / access point that is compatible with the 802.11 B or G standards with no problems.

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**9. Q :** Some times when my Mac comes back from stand-by mode the wireless connection does not restart. Is there a solution?

**A :** Occasionally this can happen to some Apple machines due to refresh and stand-by settings. The work around it is very well described in the page by T. Walter : <http://mitglied.lycos.de/thomsmac/RT2500Replug.html>

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### Also available for APPLE MAC :

**Bluetooth USB dongle version 2.0 -3x faster at 3Mbps  
AADP Class 1 - 100m – for PC & MAC Apple OSX**



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