4 USB Adapter for MAC OS X

4.1 Installing the Drivers

Follow the steps below in order to install the USB adapter drivers:

1. Insert the CD-ROM that was provided to you in this package. The setup should run automatically. If the setup does not run automatically, then you must manually select the **setup** file from the CD-ROM drive.

			Macintosh HD
	000	🥪 Install USB Wireless Utility – Tiger	
	w	elcome to the USB Wireless Utility – Tiger Installer	
	Introduction		RTUSB_Hawking_Inst aller
EnGenius_USB_D2870 -1.0.1.0a9_26.dmg	Select Destination Installation Type	Welcome to the USB Network Adapter	
	• Install	initiality	SWISSMEMORY
	Finish Up	After install and restart, you have to configure this interface in Network Pane of System Preferences before you can use the Wireless USB adapter	
pemac_650.dmg		11	Capture Me 1.4.1
	7		
Hawking_USB_D2870			RTUSB_EnGenius_Inst aller
	U.	Go Back Continue	

2. Click on the **Continue** button to configure the next step.

		Macintosh HD
HE HA	O Solott a Destination	
EnGenius_USB_D2870	Select a Destination Select a destination volume to install the USB Wireless Utility – Tiger software.	RTUSB_Hawking_Inst aller
-1.0.1.0a9_26.dmg	InstallatiopType Install Finish Up Maringsh HD SwitcharEMORY	SWISSMEMORY
pemac_650.dmg	74.2C6 (63.8C6 Free) 98MbB (459MB Free)	Capture Me 1.4.1
Hawking_USB_D2870	You have chosen to install this software on the volume "Macintosh HD."	RTUSB_EnGenius_Inst aller
-10.1.0005.4mg	Go Back Continue	

3. Select the Macintosh HD and then click on the Continue button.

曖昧	000	😻 Install USB Wireless Utility – Tiger	Macintosh HD
	E		
EnGenius_USB_D2870 -1.0.1.0a9_26.dmg	Introduction Select Destination Installation Type Install	Click Upgrade to perform a basic installation of this software package on the volume "Macintosh HD."	SWISSMEMORY
pemac_650.dmg	e Finish US angungangangangangangangang S		RTUSB_EnGenius_Inst aller
Hawking_USB_D2870 -1.0.1.0b05.dmg		Go Back Upgrade	

4. Click on the **Continue** button to configure the next step.

		Macintosh HD
IRF INFORMENTS USB_D2870 10.100a .9.20cdmg Demac_650.dmg Hawking_USB_D2870 -1.0.10b05cdmg	 Install USB Wireless Utility - Tiger Introduction Select Destination Installation Type Install Finish Up Click Restart to finish installing the software. Install of the software Insta	Macintosh HD SWISSMEMORY Capture Me 1:4:1 RTUSB_Encentus_Inst aller

- 5. The installation is complete. Click on the **Restart** button.
- 6. Carefully insert the USB adapter into the USB port. MAC OS X will then detect and install the new hardware.
- 7. The Client Utility is installed in the **Applications** folder.

4.2 Profiles

The **Profile** tab is used to store the settings of multiple Access Points such as home, office, café, etc. When adding a profile you are required to enter a profile name and SSID as well as configure the power-saving mode, network type, RTS/fragmentation threshold and encryption/authentication settings. A profile can be configured as **Infrastructure** or **Ad-hoc** mode. The configuration settings for each mode are described below.

	000		Wirele	ss Utility			Macintosh HD
EnGenius_USB_D2870 -1.0.1.0a9_26.dmg	Profile Lin	ik Status Si	te Surve	y Statistics	Advance	d About	
		Profile List					Capture Me 1.4.1
	Profile	SSID	Channel	Authentication	Encryption	Network Typ	Capture Me 1.4.1
	PROF1	RD8_ESR-97	Auto	Open	WEP	Infrastructi	
pemac_650.dmg							
Hawking_USB_D2870 -1.0.1.0b05.dmg							
CaptureMe.dmg		(ADD	EDIT	DELETE	ACTIVATE	
1							

4.2.1 Infrastructure Mode

The infrastructure mode requires the use of an Access Point (AP). In this mode, all wireless communication between two computers has to be via the AP. It doesn't matter if the AP is stand-alone or wired to an Ethernet network. If used in stand-alone, the AP can extend the range of independent wireless LANs by acting as a repeater, which effectively doubles the distance between wireless stations.

Profile Name PROF2		SSID	DinoNet	•
System C	onfiguration	Authentication	& Security]
Power Saving Mode				
• CAM (Constantly	Awake Mode)	O Power Savi	ng Mode	
Network Type Ir	frastructure	• Channe	4 1	Ŧ
☑ RTS Threshold	0			O ²³⁴⁷ 2347
${f V}$ Fragment Threshold	256	<u>.</u>		2346 2346
	ОК	CANCEL		

- Profile: Enter a name for the profile; this does not need to be the same as the SSID.
- SSID: Enter the SSID of the network or select one from the drop-down list. The SSID is a unique name shared among all points in your wireless network. The SSID must be identical for all points in the network, and is case-sensitive.
- > **PSM:** Select a power saving mode (PSM) option.
 - **CAM (Continuously Awake Mode)**: Select this option if your notebook is always connected to the power supply.
 - PSM (Power Saving Mode): Select this option if your notebook uses its battery power. This option minimizes the battery usage while the network is idle.
- > Network Type: Select Infrastructure from the drop-down list.
- RTS Threshold: Place a check in this box if you would like to enable RTS Threshold. Any packet in the RTS/CTS handshake larger than the specified value (bytes) will be discarded.
- Fragment Threshold: Place a check in this box if you would like to enable Fragment Threshold. Any packet larger than the specified value (bytes) will be discarded.
- > Click on the **Apply** button to save the changes.

4.2.2 Ad-hoc Mode

This is the simplest network configuration with several computers equipped with the PC Cards that form a wireless network whenever they are within range of one another. In ad-hoc mode, each client is peer-to-peer, would only have access to the resources of the other client and does not require an access point. This is the easiest and least expensive way for the SOHO to set up a wireless network.

Profile Nam	e PROF2	SSID DinoNet	•
(System Configuration	Authentication & Security	
Power Saving N	lode		
• CAM (Constantly Awake Mode)	O Power Saving Mode	
Network Type	802.11 Ad Hoc	Channel 1	•
✓ RTS Thresh	old 0		-O ²³⁴⁷ 2347
✓ Fragment [¬]	Threshold 256	<u>.</u>	2346 2346
		CANCEL	

- Profile: Enter a name for the profile; this does not need to be the same as the SSID.
- SSID: Enter the SSID of the network or select one from the drop-down list. The SSID is a unique name shared among all points in your wireless network. The SSID must be identical for all points in the network, and is case-sensitive.
- > Network Type: Select Ad-hoc from the drop-down list.
- Preamble: Select Auto from the drop-down list, unless you are aware of the preamble type (long or short) used in each station.
- Ad-hoc wireless mode: Select a wireless mode from the drop-down list depending on the type of stations used in the ad-hoc network. Select B/G Mix if the network consists of 11b and 11g stations. Select B-only or G-only if the network consists of only one type of wireless mode.
- RTS Threshold: Place a check in this box if you would like to enable RTS Threshold. Any packet in the RTS/CTS handshake larger than the specified value (bytes) will be discarded.
- Fragment Threshold: Place a check in this box if you would like to enable Fragment Threshold. Any packet larger than the specified value (bytes) will be discarded.
- Click on the Apply button to save the changes.

4.3 Authentication and Security

The **Security** tab allows you to configure the authentication and encryption settings such as: WEP, WPA, WPA-PSK, WPA2, and 802.1x. Each security option is described in detail below.

4.3.1 WEP Encryption

The **WEP** tab displays the WEP settings. Encryption is designed to make the data transmission more secure. You may select 64 or 128-bit WEP (Wired Equivalent Privacy) key to encrypt data (Default setting is Disable). WEP encrypts each frame transmitted from the radio using one of the Keys from a panel. When you use WEP to communicate with the other wireless clients, all the wireless devices in this network must have the same encryption key or pass phrase. The following information is included in this tab, as the image depicts below.

		Macintosh HD
EnGenius_USB_D2870	Profile Name PROF2 SSID DinoNet	SWISSMEMORY
-1.0.10a 9_26.dmg	System Configuration Authentication & Security Authentication Type Open	Capture Me 1.4.1
pemac_650.dmg	Encryption Type NONE WPA Pre-Shared Key Box Key#1 Hexadecimal	
Hawking_USB_D2870 -1.0.1.0b05.dmg	Key#2 ASCII Key#3 Hexadecimal Key#4 Hexadecimal	
CaptureMe.dmg	OK CANCEL ACTIVATED	

- > Authentication Type: Select Open or Shared from the drop-down list.
- > Encryption: Select WEP from the drop-down list.
- ➤ WEP Key: Type a character string into the field. For 64-bit enter 5 alphanumeric or 10 hexadecimal characters. For 128-bit enter 13 alphanumeric or 26 hexadecimal characters.
- Click on the Apply button to save the changes.
- Show Password check box. If you want to make sure the accuracy of password you type, click the Show Password box to check it.