



Article Number - 00029-2012

Date - 2nd Feb 2012

Article applies to - WL50 (MK2) and WL400 Wifi Adaptor

ISSUE: Installing a WL50 (MK2) or WL400 on Mac OS X 10.7 (Lion)

To install the Realtek RTL8187L drivers and Wifi Utility on a Mac with OS X 10.7 or higher, it is necessary to make sure that the Mac is running in 32bit Kernel Mode, as Realtek, whose RTL8187L chipset we use in these products do not have a 64bit driver for Macs.

To confirm if you are in 32bit or 64bit Kernel mode, run the System Information App in the Utilities folder on your Mac. You will need to click on the Software section in the left hand column and then you should see the screen below and you are looking for "No" in the 64-bit Kernel and Extensions....

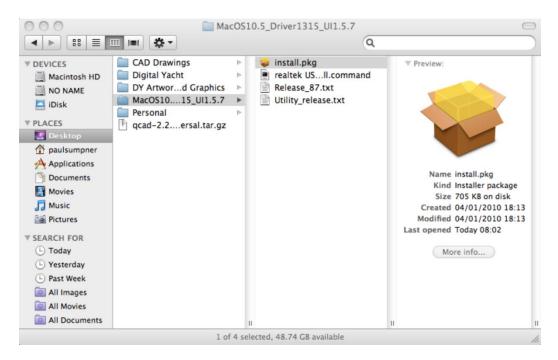
00	MacB	look	
			25/07/2011 15:45
Contents Hardware Network Software Applications Developer Extensions Fonts Frameworks Logs Managed Client Preference Panes Startup Items Sync Services Universal Access	System Software Overview: System Version: Kernel Version: Boot Volume: Boot Mode: User Name: Secure Virtual Memory: 64-bit Kernel and Extensions: Time since boot:	Mac OS X 10.6.7 (10J869) Darwin 10.7.0 Macintosh HD Normal Paul Sumpner (paulsumpner) Enabled No 1:15	

If it "Yes", you are running in 64bit kernel mode and it will be necessary to reboot in 32bit mode.

You can selectively boot a Mac in 32bit or 64bit mode by pressing either the "3"+"2" keys when booting or "6"+"4" keys when booting....see this Apple Support note...

http://support.apple.com/kb/HT3773

install the OS X 10.5 package supplied with the WL400. To install the drivers simply double click on the "install.pkg" file and follow the instructions displayed on the screen.



During the installation process you will see the window shown below which pops up to say that the driver file has not installed properly. Press OK and the installer will finish successfully and you must then restart the computer.

System extension cannot be used
The system extension "/System/Library/Extensions/ RTL8187I.kext" was installed improperly and cannot be used. Please try reinstalling it, or contact the product's vendor for an update.

These drivers actually work perfectly on OS X 10.6, but the installer sets the wrong owner/permissions for the RTL8187I.kext file (driver) and it is necessary to follow the step by step guide below;

- 1) Locate the incorrectly installed file RTL8187L.kext file which should be found in the "/System/Library/Extensions" folder and place it in the Trash
- Run the application "Kext Helper b7", which is on the Digital Yacht Software CD, then click and drag the RTL8187L.kext file (on the CD) into the white box on the Kext Helper window

	kext	Path
	RTL8187I.kext	/Users/paulsumpner/Desktop/RTL8187l.kext
TL8187I.kext		
	Clear All Remov	e selected (EASY INSTALL)
	Password: ••••••	Advanced

- 3) Enter your admin password and click the "EASY INSTALL" button, the Kext Helper program should then successfully install the RTL8187L.kext driver file and ask you to reboot
- 4) After you have rebooted, plug in the WL400. You should see the following window pop-up



- 5) Click "OK" and go to Network in the System Preferences
- 6) If you see the window shown below click the apply button and skip to step 9

Show All	Network	Q
	Location: Automatic	A Y
AirPort Connected Ethernet Not Connected		Unknown State The status of your network connection cannot be determined.
 FireWire Not Connected Ethernor (en3) Not Connected RTL81Wireless No IP Address 	Subnet Mask:	Using DHCP 🛟
+ - 0-	_	Advanced) ?
Click the lock to prev	ent further changes.	Assist me Revert Apply

- 7) If the window is not exactly as shown below and the RTL8187L Wireless adaptor is not shown in the left hand list of available network devices, then you will have to manually select it
- 8) Click on the Lock, enter your admin password again and then click on the + sign to add a new network device. Select the RTL8187L from the drop down list of adaptors (see image shown on the following page) and click "Create".

00		Network	terminal nor
Show Al			٩
		nd enter a name for the new service	
Ethernet Not Connected		NirPort iireWire RTL8187_Wireless	
FireWire Not Connected		thernet Bluetooth DUN	ot plugged is not
e AirPort	P P	/PN PPoE 5 to 4	
		ubnet Mask: Router: DNS Server: ch Domains:	
+ - \$.			Advanced) ?
Click the lock	to prevent further change	es. Assist me	Revert Apply

- 9) You may wish to setup a new location called "On the Boat" or "WL400" which you select when you want to use the WL400. Set the network preferences for this location so that Airport is turned off and the RTL8187L Wireless Adaptor is the preferred connection.
- 10) To connect to a Wireless Network now, you will need to use the Realtek Wifi Client Utility blue Crab like symbol in the dock. When you run this utlity, you can click on the Available Network tab and select which Wifi Hotspot you wish to connect to

iso SSID	Chann	el Network Type	Encryption	BSSID
Digital Yacht	3		WPA-PSK TKIP	1
delibelli	6		WPA-PSK TKIP	
BTHomeHub-4CC		Infrastructure		001d68023
bonnici	11	Infrastructure		
Tresidder	11	Infrastructure	WEP	001b2f7a23aa
SKY55843	11	Infrastructure		001b2f3a0
taylornet	6	Infrastructure	WPA-PSK TKIP	001e2a0ccbc4
SKY99664	6	Infrastructure	WPA-PSK TKIP	0024b2f82
ourhouse	1	Infrastructure	WPA2-PSK AES	0024b225f
pete1wireless1796	5 1	Infrastructure	WPA(2)-PSK	0024b294f

11) If it is an encrypted connection, you will then be asked to enter the passkey. Once connected, you will see the window shown below.

Realtek WLAN Client Utility					
Link Status	Profiles	Available Network	Advanced Setting	Information	
MAC Address :	00e04c0	397a3			
SSID :	Digital Yacht				
BSSID :	0030bd9d8435				
Security :	WPA-PSK TKIP				
Connection :	Connected				
Network Type :	Infrastructure				
Channel :	3				
Signal Strength:			(96% Turn Radio Off	

12) If you wish to save the connection details so that the WL500 automatically connects without asking for the passkey each time, click on the "Available Network" tab and then click the "Add to Profile" button.