

Installation & Quick Start Guide WL50 Wireless Adaptor/Antenna



1. Introduction

Congratulations on the purchase of your WL50 Wireless Adaptor/Antenna. This unit is designed for quick amd simple DIY installation in a touring, permanent or motor caravan (RV). The mounting brackets and suction pads are NOT designed for safe fixing of the antenna whilst a vehicle is moving and it is strongly recommended that your Wireless antenna is removed and placed inside the caravan when in motion.



Before operating the unit you should familiarise yourself with the complete user manual supplied with the product.

2. Before you start

The WL50 comes complete with a CD-ROM that includes all necessary drivers for the following operating systems;

- Microsoft Windows XP[®], Windows Vista[®] and Windows 7[®]
- Apple Mac OS X 10.3 and 10.4
- **Note:** Compatible drivers for the WL50 are also included with some LINUX distributions such as the latest version of Ubuntu. However, due to the wide variety of LINUX distributions available we cannot guarantee that the WL50 will work on all LINUX computers and suggest that users search for compatibility with the Zydas (ZD1211) or Atheros (AR5007UG) wireless chipsets that the WL50 uses.



Do not plug in the WL50 to the USB port of your computer until you have inserted the driver CD-ROM.

3. Mounting the WL50 Antenna

The WL50 should be mounted as high as possible and in line of sight with the wireless router that you wish to connect to. There are two methods of mounting the WL50 using the kit of parts included in the box;

- Sucker Cup Mount
- Pole Mount



Neither of these two mounting methods should be use when the caravan is in motion.

Sucker Cup Mounting

The most common mounting method is to use the four sucker cups to temporally stick the WL50 to the side of the caravan. Insert and secure a sucker cup in each of the four holes in the aluminium tube clips, using the supplied clear plastic thumb nuts.

After first ensuring that the surface of the caravan where you wish to mount the WL50 is clean, lightly moisten each sucker cup and then gently push the antenna on to the caravan side until the sucker cups are flat.

This method of mounting is ideal for touring and motor caravans and the WL50 can stay mounted in this manner for many days – see photo.

Removal is quick and simple by gently inserting a finger mail under each sucker cup and levering them off one by one.



Pole Mounting

For a more permanent mounting arrangement or when you need to use a pole to get more height, it is possible to mount the WL50 using the U bolts, nuts and washers supplied.

The diagram below shows the three steps to mounting the WL50 on a suitable pole (up to 50mm in diameter). Please note that the mounting pole is not supplied.



3. Driver/Software Installation

It is very important that you do not plug the WL50 in to a USB port of your computer unless you the WL50 Drivers CD-ROM close to hand. By plugging in the WL50 you will initiate the Windows "Found New Hardware Wizard" which will not be able to complete correctly without the Driver CD-ROM being present. The installation process varies depending upon which Operating System your computer has, so please ensure that you follow the correct procedure.

Installation for Windows XP

Insert the WL50 Drivers CD-ROM in to your Windows PC. After the CD-ROM has been detected by Windows, plug in the WL50 in to a spare USB port.

After a few seconds, Windows should detect the WL50 and display the Found New Hardware Wizard (see Fig 1).

Windows is asking if you wish to search for the driver on-line using Windows Updater. Click on the "No, not at this time" option and then click the "Next" button.



Figure 1

Cancel

Windows will now ask you if you want to install the software automatically (see Fig 2). Click on the "Install from a list or specific location (Advanced)" option and then click the "Next" button.

nd New Hardware Wizard lease choose your search and installation options.	Found New Hardware Wizard
Search for the best driver in these locations. Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.	This wizard helps you install software for: USB2.0 WLAN
Search removable media (floppy, CD-ROM) ✓ Include this location in the search:	Up and the software came with an installation of floppy disk, insert it now. What do you want the wizard to do? Install the software automatically (Recommended) Install the software automatically (Recommended)
<u>≺₿</u> ack <u>N</u> ext> Cancel	Click Next to continue.
Figure 3	Figure 2

You will now be asked where you want to search for the software (see Fig 3). Click on the "Include this location in the search;" option and then click on the "Browse" button .

You will be presented with the normal Windows Browse window (see Fig 4). Scroll down the list of locations until you see the "My Computer" option, double click on this and you should see the CD-ROM location appear. Double click on this and then double click on the "Drivers" folder and then click on the "Windows XP" folder, at which point the "OK" button, which was greved out should now be active. Click on the "OK" button.



Figure 4

You should now return to the same window as you were at before, but now the correct location for the Windows XP drivers should be in the white entry box to the left of the "Browse" button (see Fig 5). Click the "Next" button





Please wait while the wizard installs the software...

(ZD1211B)IEEE 802.11 b+g USB Adapter

Found New Hardware Wizard

HH.

Figure 5

Windows should now start to install the driver and you will see the window shown in Fig 6. This takes a few moments to complete but when finished you will see the window in Fig 7.

This indicates that everything has installed correctly and your WL50 is now ready to be used.

Click the "Finish" button to close the "Found New Hardware Wizard" and return to normal Windows operation.



Figure 7

If your laptop has a built-in, normal wireless adaptor, then you should turn it off whenever the WL50 is plugged in. Consult your laptop instruction manual to find out how to do this. Following this procedure whenever the WL50 is plugged in, will ensure that you connect via the WL50 to get the best signal range possible.

The WL50 should now appear as one of the Wireless Network Adaptors available on your PC. On the taskbar, right click on the wireless network icon and select the option "View Available Wireless Networks". Select the Wireless network that you wish to connect to and click the "Connect" button (see Fig 8).

	(1) Wireless Network Connect	ion 4			×	
My Computer	Network Tasks	Choos	e a wireless network			
1	💈 Refresh network list	Click an item in the list below to connect to a wireless network in range or to get more information.				
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	ror a nome or small orrice		😚 Security-enabled wireless network	0000		
e	Related Tasks	((o))	Digital Yacht			
Internet Explorer	 Learn about wireless 	U	😚 Security-enabled wireless network (WPA)		=	
	networking		This network requires a network key. If you want to connect to this network, click Connect.			
My Bluetooth	preferred networks					
Places	Change advanced settings		NETETAD			
a		((ဓူ))	NEIGEAK	എ		
avast!		U	Unsecured wireless network	0000		
Antívirus		((ဓူ))	necgear	-00		
S		U	G Security-enabled wireless network (WPA)	0000		
Skype		((ဓု))	caylornec	-0	~	
		_		_		
Windows Media Player	NetSurveyor					
💾 start	🖌 🥢 👘 Wireless Net	work Co	👹 untitled - Paint			

Installation for Windows Vista and Windows 7

Insert the WL50 Drivers CD-ROM in to your Windows PC. After the CD-ROM has been detected by Windows, plug in the WL50 in to a spare USB port.

After a few seconds, Windows should detect the WL50 and either display the "Found New Hardware Wizard" as shown in Fig 9 or the small pop up window shown in Fig 10.



Figure 10

If you see the "Found New Hardware Wizard" window in Fig 9, click on the "Locate and install driver software (recommended)" option and Windows will start searching for the WL50 drivers.

After a short period (<30 seconds), you should either see the window in Fig 11 or the small pop up window shown in Fig 12.



Figure 12

Found New Hardware			
Windows needs to install driver software for your USB2.0 WLAN			
Locate and install driver software (recommended) Windows will guide you through the process of installing driver software for your device.			
Ask me again later Windows will ask again the next time you plug in your device or log on.			
Don't show this message again for this device Your device will not function until you install driver software.			
Cancel			
Figure 9			

Driver Software Installation	X
Atheros AR5007UG Wireless Network Adapter installed	
The software for this device has been successfully installed. Atheros AR5007UG Wireless Network Adapter Ready to use	
	Close
Figure 11	

Your WL50 is now ready to use. If your laptop has a built-in, normal wireless adaptor, then you should turn it off whenever the WL50 is plugged in. Consult your laptop instruction manual to find out how to do this. Following this procedure whenever the WL50 is plugged in, will ensure that you connect via the WL50 to get the best signal range possible.

The WL50 should now appear in Windows Vista as one of the Wireless Network Adaptors available on your PC. On the taskbar, right click on the wireless network icon and select the option "Connect to a Network". Select the Wireless network that you wish to connect to and click the "Connect" button (see Fig 13).

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Show Dial-up a	v All nd VPN Business Everywhere	Dial-up connection	4 9	
	Network Connection Digital Yacht Netgear	Security-enabled network	Line	
Set up a co Open Netw	nnection or networ vork and Sharing Ce	k nter	Connect Cancel	Not Connected Wireless networks are availa

Figure 13

In Windows 7, the WL50 should also appear as one of the Wireless Network Adaptors available on your PC, but the presentation of the list of wireless networks is slightly different to that of Vista (see Fig 14). When you click on the wireless network icon in the taskbar, a pop up window of the available networks appears. You should click on the network you wish to connect to and then click on the "Connect" button that appears.



Figure 14

Installation for Apple Mac OS X

Insert the WL50 Drivers/Software CD-ROM in to your Apple Mac and using Finder open the folder called MAC.

Included in this folder is a PDF file that explains how to install the driver software on a MAC. Follow the instructions in this PDF file. The procedure is identical for V10.3 and V10.4 (Intel) systems but you must select the correct installer included on the DMG file for the version you have on your Mac.

Installation for LINUX

Due to the large number of different LINUX distributions, it is not possible to guarantee that the WL50 will work on all distributions. It has been tested on Ubuntu V8.04.2 (a Debian based distro) with Kernel V2.6.24 and all drivers were included in this distro.

If the drivers are included in your distro, simply insert the WL50 USB connector in to a spare USB port and LINUX will automatically load the correct driver and you will see the wireless networks that the WL50 can detect in the drop down wireless menu that appears when you click the wireless icon in the task bar.