

User Manual

MF636 USB Modem

Telecom



Check your system requirements

1. USB port x 1 (USB 1.0 or 2.0)
2. System Requirements:
 - a. PC - Windows 2000 / XP / Vista
 - b. Mac - OS X 10.4.11 and above

CPU	1GHz Pentium or above
Hard Disk	20GB or above
RAM	512M or above
Display	800 x 600 minimum

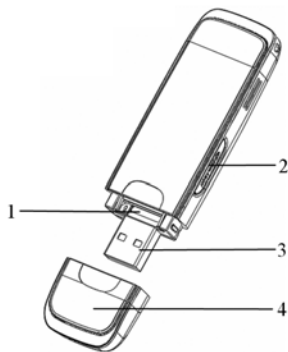
3. You need to have **Administrator** rights to install and run the software
4. We suggest you switch off your anti-virus software before installing the USB modem. In some cases protection software can prevent automatic installation. It is possible to start the installation process manually by clicking the Autorun icon when it appears.

Tip

Remember to keep your plastic SIM card holder. It contains your PIN number which you may need later.

Get to know your Telecom MF636 USB Modem

1. USIM Holder (thumb catch to open the tray)
2. MicroSD™HC Card Slot
3. USB Connector
4. Modem Cover

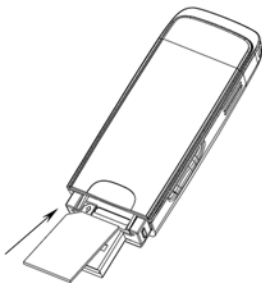


Tip

Before inserting the modem into your computer, please power on your computer and wait until the operating system is fully loaded.

Insert your SIM Card

1. Open the modem cover and slide out the SIM tray using the thumb catch.



2. Insert the SIM card as shown with the gold contacts facing down and the bevelled edge on the left hand side.
3. Push the SIM card in **as far as it will go**.

Note: When correctly inserted the thumb catch on the SIM tray is visible and not covered by the SIM card.

Insert the modem into your computer

The installation and management software is pre-loaded onto your USB modem. Simply insert your modem into your computer and follow the instructions on-screen. You'll be up and connected in about 5 minutes.

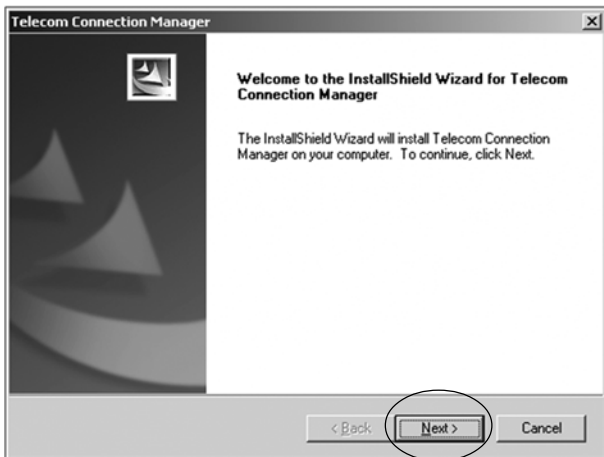
The USB modem is a Plug and Play device. Once inserted your system will automatically detect the new hardware and start to install the software. Be patient as it may take some time for your computer to recognise the modem.

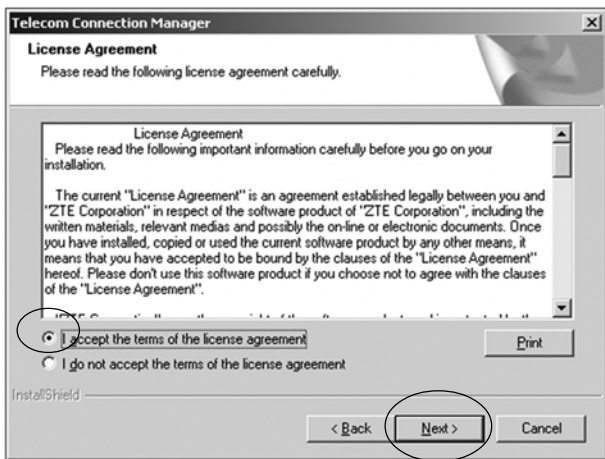
If nothing happens your system configuration may be preventing Autorun.

Tips to resolve

- **Windows users:** Double click the Autorun icon to start the software installation. (Start > My Computer > ZTEMODEM > Autorun.exe)
- **MAC users:** **Go to Computer** open the CD-ROM named ZTE MODEM, and double click the Telecom Connection Manager icon.

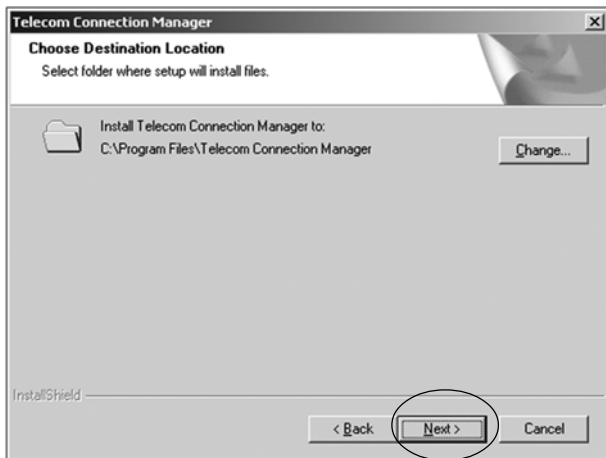
The installation method shown below is for Windows XP. Other operating systems will follow a similar but not necessarily identical installation process:



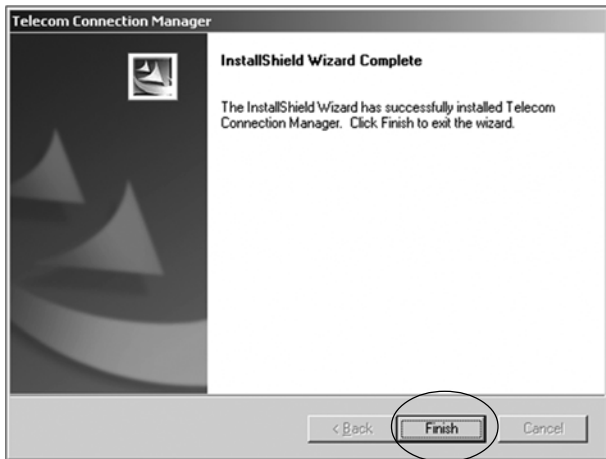


Read the license agreement, choose 'I accept....', then click **Next** to continue...

Press **Next** to accept the default folder location, or press **Change** to define your own path.



Please wait a few seconds for the installation to proceed...



Click **Finish** to complete the installation.

Connect to the internet

After installation the Telecom Connection Manager will launch automatically. Your modem will continue installing for a couple of minutes. You'll be ready to go as soon as you see the **Connect** button.



LED indicator	Modem Status
Red	Offline. Not registered on the network
Green solid	Registered on the 2G network (Roaming)
Green blinking	Active data transfer on the 2G network (Roaming)
Blue solid	Registered on the 3G network
Blue blinking	Active data transfer on the 3G network

- The installation will create a new shortcut on your desktop and a new program listing under Start-Programs
- You may have to reboot your PC or MAC after installation is complete
- If you have problems with the installation please contact your supplier or see our website, www.zte.co.nz/ for more assistance and FAQ's
- If you can't connect to the internet check your SIM card is inserted correctly.

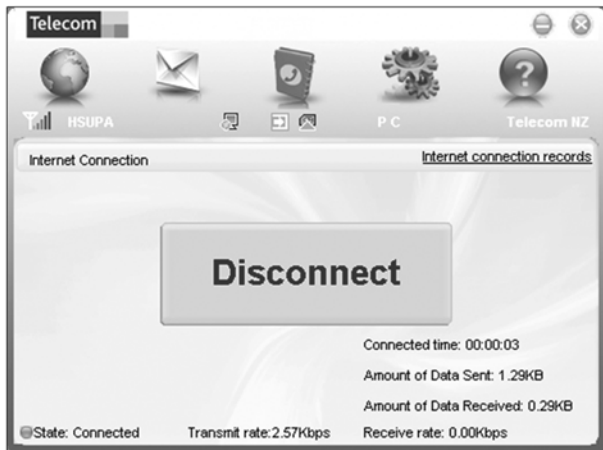
Using your MF636 USB Modem

- Press **Connect** to establish a data connection using your USB modem
- Launch your intended application, eg web browser, Email etc.
- When you have finished your internet or email connection remember to return to the software interface and press **Disconnect** to end your session
- When the software is minimized double click the icon on the task bar to re-open the Connection Manager. See the taskbar icon descriptions on Page 15.

TIP

After the computer wakes from hibernation or standby mode you may need to remove and insert the modem.

Connected State



Press **Disconnect** to end your session when finished.

Safe Removal of Hardware

To remove your USB modem from the computer first close the Telecom Connection Manager then use the safe removal of hardware process. If you remove the USB modem when it is active the modem software and related information (eg Phonebook records) may become corrupted.

Safely remove the modem












- Eg in Windows XP, left click the icon on the Windows taskbar
- Click on Safely Remove Hardware



- Remove the USB modem.

Using the Card Manager Software

System Icons









	Network signal strength
	Current network connection type
	New SMS message
	Red Computer icon - internet Not Connected
	Green Computer icon - internet Connected
	Green arrow icon - modem inserted into the computer
	Red arrow icon - modem not inserted into the computer
	Orange arrow icon - modem is offline
	Green SIM icon – SIM card is inserted
	Red SIM icon – SIM card is not inserted
	Connection - P is packet switched, C is circuit switched

Task Bar Information

When you minimize the software the window will minimize to an icon on the system tray. The program is still active in the background but disappears to free your normal Windows space. Double click the task bar icon to restore the Telecom Connection Manager.

The current status is also shown on the taskbar icons:

Task bar icons

	Modem is ready to connect to Internet
	There is a new SMS message
	Green - Internet is Connected
	Green - Modem is inserted into the computer
	Red - Modem is not inserted into the computer
	Orange - Modem is Offline
	Red – SIM card is not inserted
	No network signal

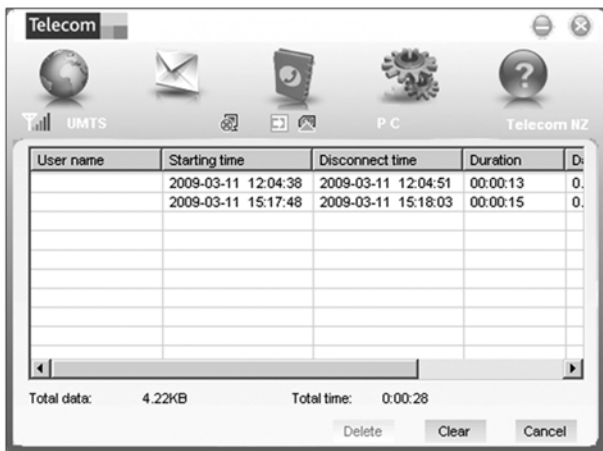
Task bar menu

Right Click the task bar icon to access the following menu:

Device offline	Disconnect the modem from the network
Device online	Connect the modem to the network
Factory Settings	Restore the modem settings to their original values
Help	Enter the Help interface
About	View software and hardware versions
Exit	Close the software and switch off the modem

Internet connection records

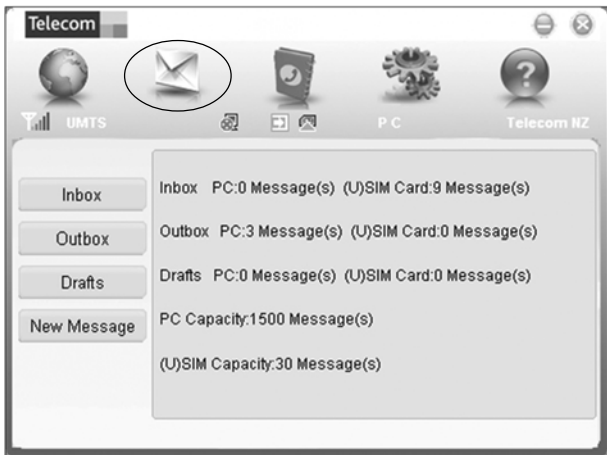
From the **Connect** screen press **Internet Connection Records** to show your connection history:



The internet connection records are for information only.

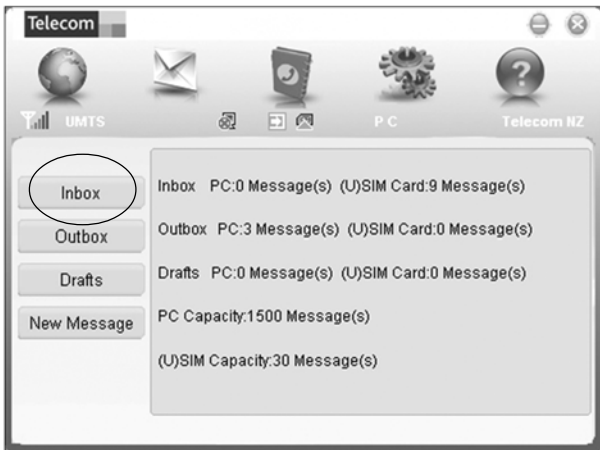
SMS Interface

Click the **SMS** icon to use the SMS Interface:

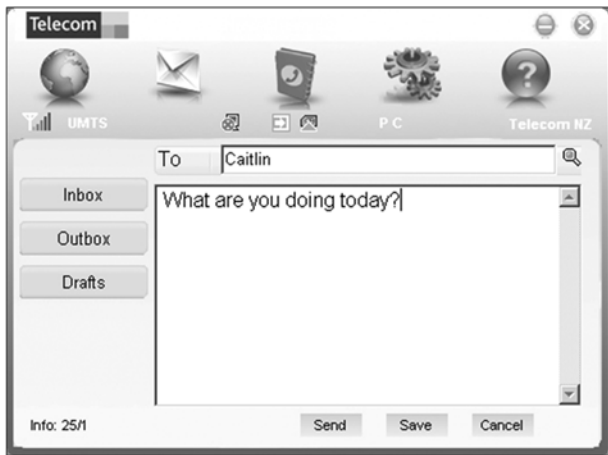


Read Incoming Messages

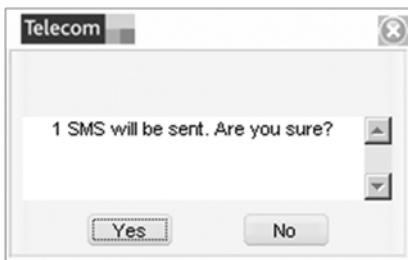
Click the **Inbox** button to read your received messages.



Create a new message



- Click **New Message** and enter the recipient's number
- The recipient's number can be entered directly or by selecting entries from the Phonebook
- Use ';' to separate multiple recipients
- Click into the text field to enter text
- The interface will show total characters used
- Click **Send** to send the message. The prompt screen below will appear:



- Select **Yes** to confirm
- After the message has been sent successfully it will be saved in the **Outbox**
- If the message fails to send it will be saved in **Drafts**.

SMS General Features

Enter any of the **Inbox** / **Outbox** / **Drafts** to use the tabs at the bottom of the window:

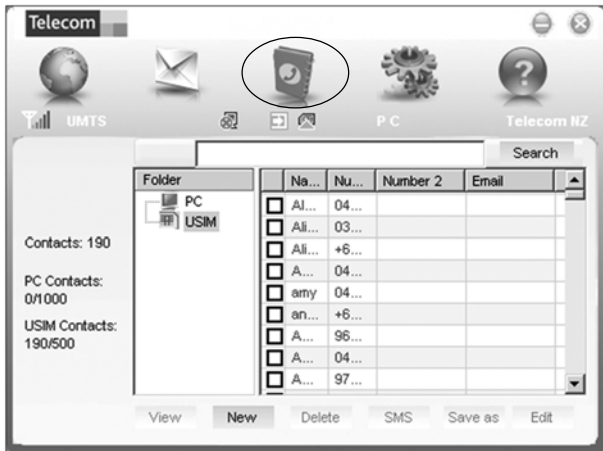
Read	Read the selected SMS
Reply	Reply to the selected SMS
Forward	Forward the SMS to other recipients
Move	Save the SMS on the PC or SIM card
Delete	Delete the selected SMS
Save	Save the phone number from the message to the contacts phonebook
Cancel	Return to the SMS interface

Notes

- If you want to select several messages, you can use the **Ctrl** or **Shift** keys (Windows)
- New messages cannot be received when the SIM card is full
- The system will indicate the SIM card is full. Messages cannot be saved until some are deleted by the user.

PhoneBook

Click the **PhoneBook** button to select the phonebook interface.



To create a new contact click **New** → **New Contact**, enter the details and select **OK** to finish.



You can choose the **Save location** as the PC or the USIM card.

The default location is on the SIM Card.

PhoneBook Notes:

- If your stored location (Folder) is PC then you can also create a new Group
- To create a new group: Click **New** → **New Group** and enter the group name
- Select contacts from the list on the right and drag them to the group location.

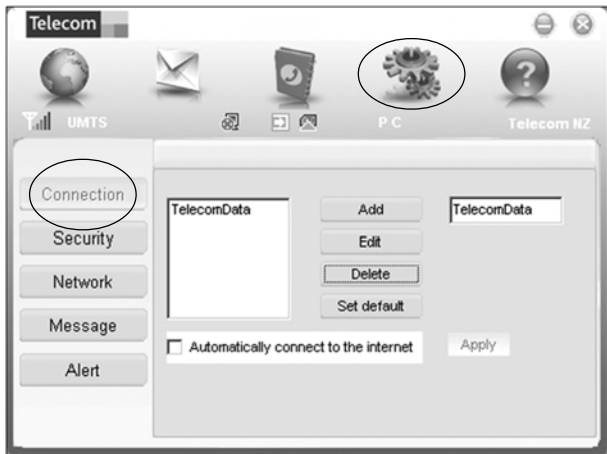
If a contact is selected, you can carry out the following additional steps using the tabs on the bottom of the screen:

View	View the selected contact's information
Delete	Delete contacts or groups
SMS	Send messages to the mobile phone number selected
Save as	Save the contact information to a TXT file on your PC
Edit	Edit the contact information

Settings

Click the **Settings** button to select the settings interface.

Connection Settings:



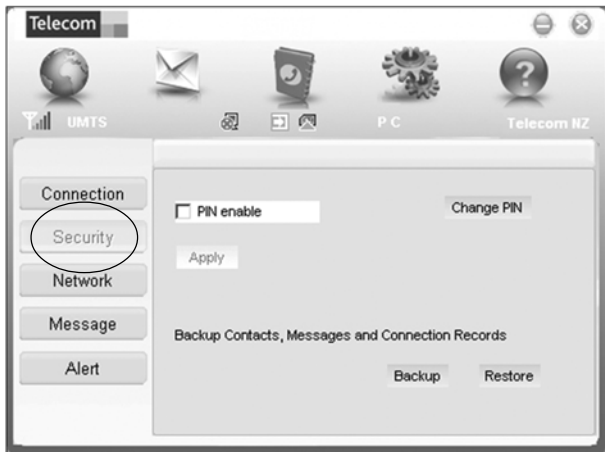
There is no need to change these settings as they are pre-configured for your network. If you change networks or are roaming you may need to modify some settings. Consult your service provider for more information.

New Connection for Corporate Users and IT Administrators

If you have a private VPN you may need to create a new connection configuration. This feature is designed for IT Administrators in a corporate environment and is generally not required to be changed by end users.

Add	Add new configuration files
Delete	Delete the selected configuration file
Edit	Edit the selected configuration file
Set Default	Set the selected profile as your default connection

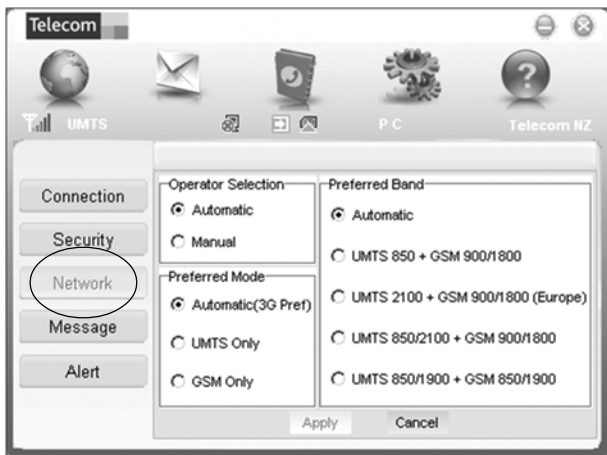
Security Settings



PIN enable - The PIN code is provided with your SIM card. Consult your service provider if you forget your PIN.

Backup Contacts, Messages and Connection Records - Create a local backup of Phonebook and SMS.

Network Settings



These settings are pre-configured for your network. There is no need to change any of these settings. Consult your service provider for more information.

Message Settings



These settings are pre-configured for your network. There is no need to change any of these settings. Consult your service provider for more information.

Inserting a MicroSD™ card

You can use the modem as a flash drive to store and transfer files. Insert a MicroSD™ card into the side port shown on page 2.

MicroSD™ cards supported to 2GB are FAT 16 format. MicroSD™ HC cards supported to 4GB are FAT 32 format.

If you want to remove the modem please use the Safe Removal of Hardware to stop the removable disk first. For more details see the Safe Removal of Hardware process.

Help

Click **Help** button



to access the system help and user guide.

Troubleshooting

If you have any problems with your connection or modem please consult the manual and check this section. If the problem still exists contact your service provider or check our website for more details at www.zte.co.nz

Problem	Possible Causes	Suggested Solution
The user interface doesn't start after the modem is plugged in.	PC configuration is not correct. (No autorun)	Start the program manually by going Start > Program Files or use the shortcut on the desktop.
The modem has no signal.	The antenna is at the wrong angle or position.	Adjust the angle and position of the USB modem.
	You have no network coverage.	Try moving location until you get good reception.

Problem	Possible Causes	Suggested Solution
	You have not entered your PIN number at start up.	Restart the application and enter your PIN number. If the PIN is invalid you cannot connect to the network.
Message sent failed.	The SMS centre number isn't correct.	Check with your service provider and enter the correct number in the Message settings.
Data connection failed.	You have no network coverage.	Try moving location until you get good reception.
	The APN configuration is wrong	Check with your service provider and set the APN in the configuration settings.

Problem	Possible Causes	Suggested Solution
Data connection failed.	The manual network selection is wrong.	Select the correct network for your service provider. Restore Automatic mode.
	You are using the wrong APN.	Consult your service provider.
The modem cannot connect to the internet when abroad.	You don't have roaming enabled on your plan.	Contact your service provider before you go overseas to enable roaming.
No warning tone.	The PC soundcard is disabled or on low volume.	Check the audio card and adjust the volume.
The MicroSD™ card cannot be read or is not found.	Re-insert the MicroSD™ card. The maximum recommended capacity is 4GB SDHC card.	Try another MicroSD™ card and make sure the capacity and format is correct.

Software Removal

If you wish to uninstall the application please follow the procedure below:

**Start → Programs → Telecom Connection Manager
→ Uninstall**

Follow the prompts and press **Yes** to continue.

MAC Users – drag the application folder to the Trash bin.

Precautions and Safety Information

- Some electronic devices are susceptible to electromagnetic interference. The modem is a transmitting device and may cause interference to sensitive electronic equipment such as audio systems, vehicle systems and medical equipment. Please consult the manufacturer of the other device before using the modem.
- Operating of laptop or desktop PCs with the modem may interfere with medical devices like hearing aids and pacemakers. Please keep the modem more than 20 centimetres away from such medical devices. Turn the modem off if necessary. Consult a physician or the manufacturer of the medical device before using the modem near such devices.
- Be aware of the regulations when using the modem at places such as oil refineries or chemical factories, where there are explosive gases or explosive products being processed. Turn off your modem as instructed.
- Don't touch the antenna area unnecessarily whilst connected. This can affect your modem performance and reduce the signal quality.
- Store the modem out of the reach of children. The modem may cause injury or get damaged.

- The modem contains sensitive electronic circuitry. Do not expose the modem to any liquids, high temperatures or shock.
- Only use original accessories or accessories that are authorized by the manufacturer. Using unauthorized accessories may affect your modem's performance, damage your modem and violate related national regulations.
- Avoid using the modem in areas that emit electromagnetic waves or in enclosed metallic structures eg lifts.
- The modem is not waterproof. Please keep it dry and store it in a cool, dry place.
- Don't use the modem immediately after a sudden temperature change eg from an air conditioned environment to high temperature and humidity outside. In such cases there could be condensing moisture inside the modem which can cause internal damage. Unplug the modem and leave it for 30 minutes before use.
- Always handle the modem with care. Be careful not to drop or bend the modem.
- There are no user serviceable parts inside the modem. Unauthorised dismantling or repair will void the warranty.

Radiation from Electronic Devices

The USB Wireless modem is a transmitting device with similar output power to a mobile phone. It uses an internal antenna to connect to the mobile network. To get the best performance from your device do not cover or shield the device in any way as this will lead to increased output power. Always leave a clear space around the device to allow the transmit and receive signals to propagate. SAR tests have been completed and comply with the Australia and New Zealand regulatory requirements.

Declaration of Conformity

We declare under our sole responsibility that the product(s) detailed in this manual, and in combination with our accessories, conform with the essential requirements of The Radio Communications Standard (Electro-magnetic Radiation Human Exposure) 2003 and the Australian Communications and Media Authority Section 376 of the Telecommunications Act 1997.

Z1196 

Technical Specifications

Network and Band compatibility	HSUPA/HSDPA/UMTS 850 MHz
	HSUPA/HSDPA/UMTS 1900 MHz
	HSUPA/HSDPA/UMTS 2100 MHz
	GSM/GPRS/EDGE 850 MHz
	GSM/GPRS/EDGE 900 MHz
	GSM/GPRS/EDGE 1800 MHz
	GSM/GPRS/EDGE 1900 MHz
Dimensions	86.5mm x 26.6mm x 10.4mm
Weight	Approx. 40g
Data Rate	HSDPA Mode up to 7.2Mbps*
	HSUPA Mode up to 2.0 Mbps*
	UMTS Mode up to 384 Kbps*
	EDGE Mode up to 236.8 Kbps*
	GPRS Mode up to 57.6 Kbps*
Voltage	5V
Current Consumption	Resting: 100mA rms Max: 450mA rms
Max Emitted Power	In 3G WCDMA Mode: 250mW In 2G GSM/GPRS Mode: 2W

Interface	USB 2.0
Operating systems	Windows 2000 SP4, XP SP2 & SP3, Vista Apple Mac OS X 10.4.11 and above
Functions	High speed wireless data, internet, MicroSDHC card, SMS
MicroSDHC memory card	4GB on MicroSD™HC card 2GB on MicroSD™
Temperature Range	-5°C to +45°C

* Actual speeds will be less. Speeds may vary due to congestion, distance from the cell, local conditions, hardware, software and other factors.