

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

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2. Introduction

Thank you for purchasing QCOM Bluetooth and Modem Daughter Card. This manual will assist you with the installation procedure.

The package you have received should contain the following items:

- Bluetooth and Modem Daughter Card
- User manual
- CD containing Agere Systems AC'97 Modem driver, Wireless LAN Management utility and driver software.

Note: if anything is missing, please contact your vendor

The CD contains drivers and utility software; this is used for managing the Bluetooth and Modem Daughter Card and needed component is included for Agere Systems AC'97 Modem.

The MD560 (B) is designed to provide modem and Bluetooth function on a MDC form factor. The Bluetooth function is based on CSR BlueCore3-ROM Single Chip Bluetooth System, which implements the full speed class 2 Bluetooth operation with full 7 slave piconet support. The interface of MD560 (B) Bluetooth function to host system is USB and full compliant with USB V2.0.

The modem function is based on any AC97/Azalia modem chipset, it provides a digital, programmable line interface to meet global telephone line requirements.

3. Wireless Bluetooth Basics

Wireless Bluetooth systems offer a great number of advantages over a traditional, wired system. Wireless Bluetooth are more flexible, easier to setup and manage and often more cost effective than their wired equivalence.

Using radio frequency (RF) technology. Bluetooth transmits and receives data over the air, minimizing the need for wired connections. Thus, Bluetooth combines data connectivity with user mobility, and, through simplified configuration, enable movable LANs.

With wireless Bluetooth, users can access shared information without looking for a place to plug in and network managers can set up or augment networks without installing or moving wires. Wireless Bluetooth offers the following productivity, convenience and cost advantages over traditional wired networks.

- Mobility Wireless Bluetooth systems can provide LAN users with access to real-time information anywhere in their organization. This mobility supports productivity and service opportunities not possible with wired networks.
- Installation Speed and Simplicity Installing a wireless Bluetooth system can be fast and easy and can eliminate the need to pull cable through walls and ceilings.
- Installation Flexibility wireless technology allows the network to go where wires cannot go.
- Reduced Cost-of-Ownership While the initial investment required for wireless Bluetooth hardware might be higher than the cost of wired LAN hardware, overall installation expenses and life-cycle costs will be significantly lower. Long- term cost benefits are greatest in dynamic environments requiring frequent moves, adds, and changes.
- Scalability Wireless Bluetooth systems can be configured in a variety of topologies to meet the needs of specific applications and installations. Configurations are easily changed and range from peer-to-peer networks suitable for a small number of users to full infrastructure networks of thousands of users that allows roaming over a broad area.

4. Installation and Overview

Here are some steps you will perform in establishing your wireless network connection:

- Install Bluetooth Utility using the Installation CD.
- Install Agere Systems AC'97 Modem driver using the Installation CD.



4.1 Installation Procedures of Bluetooth Utility

Please follow the below steps one by one to install the utility software successfully.

- 1. Insert the card into MDC slot, and take BT antenna to plug into RF connector.
- 2. Power on your PC and allow Windows to load fully.
- 3. Install the Bluetooth Utility

Go to the Bluetooth Utility directory, then double-click setup icon.



The Main Menu would display, select Application/Driver Installation.



Choose Setup Language



4. The welcome window will appear, please click Next

IVT BlueSoleil Setup		
*	Welcome to the InstallShield Wizard for BlueSoleil	
	The InstallShield® Wizard will install BlueSoleil on your computer. To continue, click Next.	
	Cancel	

5. Click Yes button to accept the terms in the license agreement

icense Agreem	ent				
Please read the	iollowing license a	greement carefu	ally.		
Press the PAGE	DOWN key to see	the rest of the	agreement.		
BlueSoleil Copyright (C) 20 All Rights Reser You should care this software. U your use of this warranty.	02 IVT. ved fully read the folloo nless you have a o software indicates	wing terms and different license your acceptanc	conditions before in agreement signed I ie of this license ag	stalling and using by IVT Corporation element and	n.
Do you accept a setup will close.	ll the terms of t he p To install BlueSole	praceding Licen eil, you must acc	se Agreement? If y cept this agreement < Back	ou choose No. th	ne No

6. Click Next to install to this folder

oose Destination Location Select folder where Setup will install file	s. 🛞
Setup will install BlueSoleil in the follow	ing folder.
To install to this folder, click Next. To ir another folder.	istall to a different folder, click Browse and select
Destination Folder	1

7. Wait, while BlueSoleil Setup is performing the request operations.

IVT BlueSoleil Setup	
Setup Status	8
BlueSoleil Setup is performing the requested operations.	
Installing:	
26%	
InstallShield	Cancel

8. Please click Finish to complete the Bluetooth installation

IVT BlueSoleil Setup	6
*	InstallShield Wizard Complete Setup has finished installing BlueSoleil on your computer.
2	 Yes, I want to restart my computer now. No, I will restart my computer later.
	Remove any disks from their drives, and then click Finish to complete setup.
	K Back Finish Cancel

4.2 Installation Procedures of Modem Driver

- 1. Start Windows
- 2. Windows will immediately display the Found New Hardware Wizard page. Click the **Cancel** button.

Found New Hardware Wiz	ard
	Welcome to the Found New Hardware Wizard This wizard helps you install software for: PCI Modem
	 If your hardware came with an installation CD or floppy disk, insert it now. What do you want the wizard to do? Install the software automatically [Recommended] Install from a list or specific location (Advanced)
	Click Next to continue.

3. Locate the MD560(B) Driver folder, double-click *setup* icon to start the installation.



4. Wait for a minute, after the Modem window displays, click **OK** button to start the installation.



After Windows re-starts, you can check your modem by following instructions to checking your MD560(B) if setup successfully.

5. Go to Start Setting Control Panel System The System Properties will be displayed, please click Hardware table and then Device Manager

🕺 Control Panel						_181×
File Edit View Favorites T	ools Help					
← Back - → - 🔃 @ Searc	h 🖓 Folders	(3)History	階階	System Properties		? ×
Address 🐼 Control Panel				General Network Identification	Hardware User Pri	ofiles Advanced
Control Panel	Accessibility Options	Add/Remove Hardware	Add/Re Progr	Hardware Wizard The Hardware wizar unplug, eject, and co	d helps you install, un onfigure your hardwai	install, repair,
System Provides system information and changes environment settings	Folder Options	Fonts	Gan	Device Manager	Hard	Jware Wizard
Windows Update Windows 2000 Support	Network and Dial-up Co	Phone and Modem	Power C	The Device Manage on your computer. U pipperties of any dev Driver Signing Hardware Publies	er lists all the hardware se the Device Manag vice. 	e devices installed per to change the rice Manager
	Sounds and Multimedia	System	Users Passw	Hardware profiles pr different hardware co	ovide a way for you to onfigurations. Harc	i set up and store Iware Profiles
		5			OK Ca	incel Apply
Provides system information and change	es environment se	ettings				Wy Computer
Marcell m 🗠 🖓 🗍 🔤 CO	nerorranel	-				V 2 1:50 PM

As you found the Agere Systems AC'97 Modem, the install is ready.



- On the Phone And Modem Options table, please choose Modems and click Properties.
- 8. Click Diagostics table on Agere Systems AC'97 Modem Properties. Then click Query Modem to communicating with Modem
- 9. The Modem will respond to the following message as screen showed that means your modem installed successfully.

gere Systen	ns AC'97 Modem Properties
General Mod	Jem Diagnostics Advanced Driver Resources
Modem Inform	nation
Field	Value
Hardware IL) PCI/VEN_8086&DEV_2416&50BSY5_10001
inch i	
<	
Command	Response
ATI5	2.1.51, AMR Intel MB, AC97 ID:AGR RI
ATI7	AMR Intel MB
<	
- <u></u>	
	Query Modern
Logaina	
Append t	o Log View log
177 I.	
	OK Cancel
\ \	$\langle \langle \rangle \rangle / \rangle$

5. Troubleshooting

Bluetooth and Modem Daughter Card

If you still encounter some problems while installing the Bluetooth and Modem Daughter Card utility and driver software or you want to confirm whether your software is installed properly or not, we have listed the procedure for checking the various components after you have installed the software. In section below, we have listed the various problems that you may encounter during the installation and have also listed the possible solution.

Procedure to check the various properties of card after installation under Windows: Please check the followings if you encounter some problem while installing the Bluetooth and Modem Daughter Card utility and driver software.

Right click on My Computer and the select Properties. Select the Device Manager and expand the Network Adapter. You will find Bluetooth and Modem Daughter Card if it is installed successfully. If you see the sign the resources are conflicting. Double Click the MDC Card and then on the General tab, you can see the status of MDC card.

- i) Check if your Notebook supports 3.3V Card.
- ii) Check if your Notebook has a free IRQ. If not, make an IRQ free by assigning the same IRQ to some devices, for example COM1; COM2 can be assigned same IRQ values.
- iii) Check that you have inserted the proper driver.