2.0

# **BLUETOOTH 56K FAX MODEM**

Product Name: Bluetooth modem Model No.: 4300A, 4161A Applicant: Zoom Telephonics, Inc.

# **User's manual**

### **REGULATORY STATEMENTS**

#### **FCC Certification**

The United States Federal Communication Commission (FCC) and the Canadian Department of Communications have established certain rules governing the use of electronic equipment.

#### Part15, Class B

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interface, and
- 2. This device must accept any interface received, including interface that may cause undesired operation. 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 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 distance between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

#### **CAUTION:**

- 1. To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.
- 2. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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# 1. Introduction



The Bluetooth 56K wireless modem is a 56K modem equipped with Bluetooth function. It provides a standard V.92 Modem for WAN communication and access to Internet. With a Bluetooth adapter, you can dial up to access the network via this device wirelessly. Bluetooth technology brings you more freedom and mobility; it allows you to mobilize your PC within the effective range of this Bluetooth modem.

#### **Package Contents**

- Bluetooth 56K Wireless Modem
- One AC adapter
- RJ-11 phone cable
- RS-232 Cable (DB-9pin)
- Quick Start Guide
- Driver CD (User's Manual inside)

#### Note:

If any of these items are missing from the retail package, contact your supplier immediately.

# 2. Specifications

#### 2.1. Features

#### V92 Modem

- ITU-T V.92 and K56flex
- V.34 (33.6 kbps), V.32 bis, V.32, V.22 bis, V.22, V.23, and V. 21; Bell 212A and 103
- Flow control and speed buffering
- Automatic format/speed sensing
- V.22bis fast connect
- One RS232 connecter for Host PC (DTE) interface

#### **Bluetooth Function**

- Wireless interface complies with Bluetooth Core Specification V1.1
- Main chip: CSR BlueCore 2
- Protocol: Bluetooth 2.4 GHz ISM band frequency hopping
- Output Power: Class 1 Bluetooth radio
- Data Rate: 723 kbps
- Special feature:
  - Modify bluetooth device name.
  - Enable/disable authentication.
  - Change pin code.

#### 2.2. Specifications

- Communication software compatible AT command sets
- 3.3V low power consumption
- Bluetooth or RS-232 (D-SUB9) interface Switch
- Provides LEDs for showing status information

#### 2.3. Certification

• FCC Part 68, 15B , 15C and CE / LVD

#### 2.4. Mechanical

• Dimension: 96 x64 x 22.1 mm (L x W x H)

#### 2.5. Environment Operating Ranges

- Operation :  $0 \sim 50^{\circ}$ C, Humidity  $10 \sim 90\%$
- Storage : -20 ~ 90°C, Humidity 10 ~ 90%

#### 2.6. Power Consumption

- Operation: 175mA / 6V (Avg), 220mA/6V (Max)
- Standby: 52mA/6V

#### 2.7. LED Indication

- Power LED: Power ON/OFF
- Link LED: Bluetooth Link
- ACT LED: Bluetooth Active
- OH LED: Off-Hook
- TX LED: Data Transmit
- RX LED: Data Receive

#### 2.8. Driver Support

- Windows 98SE/ME/2000/XP
- Mac O.S 10.3 or above

# 3. Product Shape





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- 1. **Power LED indicator**: Lights when the Bluetooth Modem powers on.
- 2. Link LED indicator: Lights when Bluetooth Modem is linked by a remote device.
- 3. **ACT LED indicator**: Blinks when data is transferring via Bluetooth connection.
- 4. **OH LED indicator**: Lights when Bluetooth Modem is dialing or gets connected.
- 5. **TX LED indicator**: Blinks when Bluetooth Modem is transmitting data.
- 6. **RX LED indicator**: Blinks when Bluetooth Modem is receiving data.
- 7. Pin Code Reset Button: Resets the pin code back to the default value.
- 8. Antenna: Bluetooth 2.4GHz antenna.
- 9. RJ-11 Socket: PSTN (Telephone ) Line in for Modem.
- 10. Mode Switch: To select generic or Bluetooth Modem mode.
- 11.**RS-232 connector**: Connects to PC's COM port when it is in generic mode.
- 12. Power Jack: Power source connector.

# 4. Bluetooth Modem Mode

#### 4.1. Getting Started

- 1. Turn the switch to "BT" side
- 2. Connect the telephone line to the RJ-11 socket
- 3. Plug in the AC adapter to the power outlet.

#### 4.2. How to dial-up under Widcomm Bluetooth Windows (BTW)

The Following procedures are using the Bluetooth software as reference on how to use the Bluetooth Modem to access the Internet. The user should follow accordingly based on the Bluetooth software in hand.

#### For Windows 98

 Double click the "My Bluetooth Places" icon on the desktop. The following window wills pop-up. Double click the "Find Bluetooth Devices" icon.



2. Bluetooth software will start searching the surrounding remote devices. Find the "**Bluetooth Modem**" icon and then double click on it.



3. The service start discovery.



4. Then windows will ask you a 4-digit PIN Code to pair with the Bluetooth Modem. You can find the PIN Code on the bottom of your Bluetooth modem. The default Pin code is "**1111**".



5. Key in the PIN Code and click the "**OK**" button.

Bluetooth	PIN Code Request	? ×
P	Device Name:	Bluetooth Modem
·	Before a connection can be establis above must be "paired."	hed, this computer and the device
	The Bluetooth pairing procedure creates a secret key that is used in all future connections between these two devices to establish identity and encrypt the data that these devices exchange.	
	To create the paired relationship, er	ter the PIN code and click OK.
	Bluetooth PIN Code:	****
	ОК	Cancel <u>H</u> elp

6. When Bluetooth Modem has been paired, it will show 3 services. Double click on "**Dial-up Networking on Bluetooth Modem**" service icon.

🛋 My Bluetooth Places\Find Bl	uetooth Devic	es\Bluetooth M	lodem	_ 🗆 ×
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>B</u> luetooth	<u>G</u> o F <u>a</u> vorites	<u>H</u> elp		<b>1</b>
Back Forward Up	L X Cut	Copy Pas	te Delete	»
Address 🚄 My Bluetooth Places V	Find Bluetooth De	vices\Bluetooth I	Modem	•
8 Device - Dhusta eth	L So Dial-up	Fax on	Serial port on	
Modem	Networking	Bluetoo	Bluetooth	
This folder displays the Bluetooth services offered by the remote device listed above. For a brief description of each service, select the service name. For a context sensitive menu, right-click a service name.	1. 44 - 4			
3 services were discovered on Blueto	oth Modem			

7. When the connection is established, the service icon will change the color to green.



8. If you are using the dial-up connection first time, the following window will pop out. Type in the area code of your location, and then click the "**Close**" button.

Location Information	
	Please provide information about your current location so that your calls can be dialed correctly. What country/region are you in now? United States of America What area (or city) gode are you in now? If you dial a number to access an gutside line, what is it? If you dial a number to access an gutside line, what is it? The phone system at this location uses: If one dialing Pulse dialing
	Close

9. The **"Connect To**" window will auto pop-up. Please key in the user name, the password, and the phone number. You can get the information form your ISP (Internet Service Provider) and then click the **"Connect**" button.

🛓 Connect To		? X
Bu	etoothConnec	
<u>U</u> ser name:	User name	_
Password:	NEN = XXXX	_
	Save password	
Phone <u>n</u> umber:	12345678	
Dialing from:	New Location	Dial Properties
	Connect	Cancel

10. The Bluetooth Modem starts dialing.



11.Once the connection is established you can run a web browser.

#### For Windows ME

1. Double click the "**My Bluetooth Places**" icon on the desktop. The following window wills pop-up. Double click the "**Find Bluetooth Devices**" icon.



2. Bluetooth software will start searching the surrounding remote devices. Find the "**Bluetooth Modem**" icon and then double click on it.



3. The service start discovery.



4. Then windows will ask you a 4-digit PIN Code to pair with the Bluetooth Modem. You can find the PIN Code on the bottom of your Bluetooth modem. The default Pin code is "**1111**".



5. Key in the PIN Code and click the "**OK**" button.

Bluetooth	PIN Code Request	<u>? ×</u>
P	Device Name:	Bluetooth Modem
	Before a connection can be establis above must be "paired."	hed, this computer and the device
	The Bluetooth pairing procedure cre future connections between these to encrypt the data that these devices	ates a secret key that is used in all wo devices to establish identity and exchange.
	To create the paired relationship, en	ter the PIN code and click OK.
	Bluetooth PIN Code:	** 19*
	OK	Cancel <u>H</u> elp

6. When Bluetooth Modem has been paired, it will show 3 services. Double click on "**Dial-up Networking on Bluetooth Modem**" service icon.



7. When the connection is established, the service icon will change the color to green.



8. If you are using the dial-up connection first time, the following window will pop out. Type in the area code of your location, then click the **"Close"** button.

Location Information	
	Please provide information about your current location so that your calls can be dialed correctly. What country/region are you in now? United States of America What area (or city) gode are you in now? If you dial a number to access an gutside line, what is it? If you dial a number to access an gutside line, what is it? The phone system at this location uses: If gone dialing
	Close

9. The **"Connect To**" window will auto pop-up. Please key in the user name, the password, and the phone number. You can get the information form your ISP (Internet Service Provider) and then click the **"Connect**" button.

Connect To	EluetoothConnection
<u>U</u> ser name: Password:	User name
	Save password Connect gutomatically
Phone <u>n</u> umber:	12345678
Dialing from:	New Location Dial Properties
	Connect Properties Cancel

10. The Bluetooth Modem starts dialing.



11. Once the connection is established you can run a web browser.

#### For Windows 2000

1. Double click the "**My Bluetooth Places**" icon on the desktop. The following window wills pop-up. Double click the "**Find Bluetooth Devices**" icon.



2. Bluetooth software will start searching the surrounding remote devices. Find the "**Bluetooth Modem**" icon and then double click on it.



3. The service start discovery.



4. Then windows will ask you a 4-digit PIN Code to pair with the Bluetooth Modem. You can find the PIN Code on the bottom of your Bluetooth modem. The default Pin code is "**1111**".



5. Key in the PIN Code and click the "**OK**" button.

Bluetooth I	PIN Code Request	<u>? ×</u>
۲ <u>۹</u>	Device Name:	Bluetooth Modern
	Before a connection can be establis above must be "paired."	hed, this computer and the device
	The Bluetooth pairing procedure cre future connections between these to encrypt the data that these devices	eates a secret key that is used in all wo devices to establish identity and exchange.
	To create the paired relationship, en	ter the PIN code and click OK.
	Bluetooth PIN Code:	** **
	ОК	Cancel <u>H</u> elp

6. When Bluetooth Modem has been paired, it will show 3 services. Double click on "**Dial-up Networking on Bluetooth Modem**" service icon.

My Bluetooth Places\Entire E	luetooth Neighb	orhood\Blue]	<u>- 🗆 ×</u>
<u> </u>	F <u>a</u> vorites <u>T</u> ools	<u>H</u> elp	<b>*</b>
📙 🗢 Back 🔹 🔿 👻 🗟 🧟 Sea	rch 🕒 Folders	(⊘History   }	b »
Address 📥 ces\Entire Bluetooth M	Veighborhood\Bluet	ooth Modem 💌	<i>i</i> ∂Go
Device : Bluetooth Modem	Dial-up Networking	Serial port on Bluetooth	
This folder displays the Bluetooth services offered by the remote device listed above. For a brief description of each service, select the service name.	Fax on Blueto		
For a context sensitive menu, right-click a service name.			
3 services were discovered on Blueto	oth Modem		

7. When the connection is established, the service icon will change the color to green.



8. The **"Connect To"** window will auto pop-up. Please key in the user name, the password, and the phone number. You can get the information form your ISP (Internet Service Provider) and then click the **"Connect"** button.

Connect Blueto	pothConnection
<u>U</u> ser name:	User name
Password:	******
Djal:	12345678
<u>D</u> ial	Cancel Properties <u>H</u> elp

9. The Bluetooth Modem start dialing.



10.Once the connection is established you can open your web browser.

#### For Windows XP

 Double click the "My Bluetooth Places" icon on the desktop. The following window wills pop-up. Click the "View devices in range" item in "Bluetooth Tasks".



2. Bluetooth software will start searching the surrounding remote devices. Find the "**Bluetooth Modem**" icon and then double click on it.



3. The service start discovery.



4. Then windows will ask you a 4-digit PIN Code to pair with the Bluetooth Modem. You can find the PIN Code on the bottom of your Bluetooth modem. The default ping code is "1111".



5. Key in the PIN Code and click the "**OK**" button.

Bluetooth	PIN Code Request	<u>?×</u>	
P	Device Name:	Bluetooth Modem	
·	Before a connection can be establi above must be "paired."	shed, this computer and the device	
	he Bluetooth pairing procedure creates a secret key that is used in all uture connections between these two devices to establish identity and encrypt the data that these devices exchange.		
	To create the paired relationship, er	nter the PIN code and click OK.	
	Bluetooth PIN Code:	****	
	ОК	Cancel <u>H</u> elp	

6. When Bluetooth Modem has been paired, it will show 3 services. Double click on "**Dial-up Networking on Bluetooth Modem**" service icon.



7. When the connection is established, the service icon will change the color to green.



8. The **"Connect BluetoothConnection"** window will auto pop-up. Please key in the user name, the password, and the phone number. You can get the information form your ISP (Internet Service Provider) and then click the **"Dial"** button.



9. The Bluetooth Modem starts dialing.



10. Once the connection is established you can open your web browser.
## 4.3. How to use dial-up network under MAC O.S. 10.3

1. To use dial-up network function under MAC O.S.10.3, first from "system preference" click hardware "Bluetooth" icon



System will show the "Bluetooth" windows, please click "Devices"→"Set
 Up New Device" start setup with "Bluetooth setup assistant".

w All Displays S	ound Network Startup Disk	
	Settings File Exchange	Devices
Bluetooth Devices	:	
		Add to Favorites
		Delete Pairing
		Disconnect
	^	Pair New Device
		Set Up New Device

3. At "Bluetooth Setup assistant" welcome screen please click "Continue" to next step.



4. In this step please "Other Device" in "Select Device Type" window and click "Continue" button to next step.

000	biuetootii setup Assistant
	Select Device Type
	The Bluetooth Setup Assistant sets up your Bluetooth device to work with this computer. Select the type of device you want to set up from the list. Select Other Device if the device you want to set up is not on the list. Your device needs to be within 30 feet of your computer. Mouse Keyboard Mobile Phone Other Device
	Go Back Continue

 In this page please select "bt56r3" in "Devices" window and click "Continue" button to next step

Bluetooth Device Set Up
Searching for your device When your device appears in the list, select it and click Continue. If you don't see your device in the list, make sure your device is "discoverable."
Devices
bt56r3
Updating 1 name(s)
oppuning riminetoria

6. In this page please key in passkey the default passkey is "1111" and click "Continue" button to next step

000	Bluetooth Setup Assistant
	Bluetooth Device Set Up
	Enter a passkey to pair with your device A passkey is needed to complete a pairing between this computer and the device. This number will only be used once. You do not need to remember this number. When asked, you will be provided with this number to enter on your device. Passkey:
	Go Back Continue

7. In "**Bluetooth Mobile Phone Set Up**" page please select the service with your phone click "**Continue**" button to next step

Bluetooth Mobile Phone Set Up
Select the services you want to use with your paired phone:
Set up iSync to transfer contacts and events
☑ Use with Address Book
Access the Internet with your phone's data connection
Go Back Continue

 In this page you should key in your ISP "Username", "Password", and "Phone number" and remember change Modem Script to "Hayes Accura 56K" and click "Continue" button to next step.

Bluetooth Mobile Phone Set Up
To access the internet using your phone, you need to provide the following information. If you do not know some of the information, contact your cellular service provider and re-run this assistant. Username: Password: Phone Number: Modem Script: Hayes Accura 56K \$
Go Back Continue

9. In this page you are complete your Bluetooth dial up network setting, please click "**Quit**" button to finish "Bluetooth setup assistant".

Plustoath Mobile Phone Set Un
Bluetootti Mobile Filone Set op
Congratulations! Your mobile phone is now set up to use your computer's Bluetooth features. Your computer and mobile phone were configured with the following services: • Use with Address Book
Accessing the Internet using your mobile phone to dial your ISP.
Use this Setup Assistant again if you want to change any of these settings.

10. To use you dial-up network function please click phone icon on takes bar, and click "**Connect**", please mark sure "**Bluetooth**" is selected.



11. The connected time will show on next the phone icon, if you went to disconnect the connection just click "**Disconnect**".



# 5. Generic Modem Mode

## 5.1 Getting Started

- 1. Turn the switch to "**RS-232**" side
- 2. Connect the telephone line to the RJ-11 socket.
- 3. Plug in the RS-232 cable male connector to RS-232 connector of Bluetooth Modem and plug in the female connector to your PC.
- 4. Plug in the AC adapter to the power outlet.

# 5.2 Driver Installation under Windows

## For Windows 98

 Make sure your PC is powered on and you are running the Windows operating system. Then system will recognize the device and display the "Add New Hardware Wizard" dialog box. Please insert the driver CD and then click the "Next" button.

Add New Hardware Wiz	ard
	This wizard searches for new drivers for: Analog Modem A device driver is a software program that makes a hardware device work.
	< Back Next > Cancel

2. Select "Search for the best driver for your device (Recommended)", then click the "Next" button.

Add New Hardware Wizard		
	<ul> <li>What do you want Windows to do?</li> <li>Search for the best driver for your device. [Recommended].</li> <li>Display a list of all the drivers in a specific location, so you can select the driver you want.</li> </ul>	
	< <u>B</u> ack Next > Cancel	

3. Select "**Specify a location**" and type "**G:\Modem**" (where G:\ is the path of your CD-ROM drive) in the location or you can click the "**Browse**" button to select, and then click the "**Next**" button.

Add New Hardware Wizard	
	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.
	<u>≺B</u> ack Next≻ Cancel

4. Please click the "Next" button, the driver then installs itself.



5. Click the "Finish" button to complete the installation process.



### For Windows ME

 Make sure your PC is powered on and that you are running the Windows operating system. Then system will recognize the device and display the "Add New Hardware Wizard" dialog box. Please insert the driver CD and then click the "Next" button.

Add New Hardware Wizard	
	Windows has found the following new hardware: Analog Modem Windows can automatically search for and install software that supports your hardware. If your hardware came with installation media, insert it now and click Next. What would you like to do? Automatic search for a better driver (Recommended) Specify the location of the driver (Advanced)
	< Back Next > Cancel

 Select "Search for the best driver for your device." then choose "Specify a location" and type "G:\Modem" (where G:\ is the path of your CD-ROM drive) in the location or you can click the "Browse" button to select, then click the "Next" button.

Add New Hardware Wiz	ard
	<ul> <li>Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected</li> <li>Search for the best driver for your device. (Recommended).</li> <li>Removable Media (Floppy, CD-ROM)</li> <li>✓ Specify a location:</li> <li>G:\Modem</li> <li>✓ Browse</li> <li>O Display a list of all the drivers in a specific location, so you can select the driver you want.</li> </ul>
	< <u>B</u> ack Next > Cancel

3. Click the "Next" button, the driver then installs by itself.



4. Click the **"Finish"** button to complete the installation process.



### For Windows 2000

 Make sure your PC is powered on and that you are running the Windows operating system. Then system will recognize the device and display the "Found New Hardware Wizard" dialog box. Please insert the driver CD then click the "Next" button.



2. Select "Install the software automatically (Recommended)", then click the "Next" button.

und New Hardware Wizard
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next. What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
Display a list of the known drivers for this device so that I can choose a specific driver
< <u>B</u> ack <u>N</u> ext > Cancel

3. Select "Specify a location" then click the "Next" button.

Found New Hardware Wizard
Locate Driver Files Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
Analog Modem
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy <u>d</u> isk drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< <u>B</u> ack <u>N</u> ext > Cancel

4. Type "**G:\Modem**" (where G:\ is the path of your CD-ROM drive) in the location or you can click the "**Browse**" button to select, then click the "**Next**" button.



5. Click the "Next" button, the driver then installs by itself.

Found New Hardware Wizard
Driver Files Search Results The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
Analog Modem
Windows found a driver for this device. To install the driver Windows found, click Next.
g:\modem\scd_scm_scf.inf
< <u>B</u> ack Cancel

6. Windows will search for and recognize the driver of the device, then display one message. Please click the "Yes" button. Windows will then automatically copy the driver files and related files into the system.



7. After copying the driver files, click the **"Finish"** button to complete the installation process.



## For Windows XP

 Make sure your PC is powered on and that you are running the Windows operating system. Then system will recognize the device and display the "Found New Hardware Wizard" dialog box. Select "Install from a list or specific location (Advanced)", insert the driver CD then click the "Next" button.



 Select "Search for the best driver in these locations." and choose "Include this location in the search:" then type "F:\Modem" (where F:\ is the path of your CD-ROM drive) in the location or you can click the "Browse" button to select,. Click the "Next" button.

Found New Hardware Wizard
Please choose your search and installation options.
<ul> <li>Search for the best driver in these locations.</li> <li>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.</li> <li>Search removable media (floppy, CD-ROM)</li> <li>Include this location in the search:</li> <li>F:\Modem</li> <li>Browse</li> </ul>
Don't search. I will choose the driver to install. Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< <u>B</u> ack <u>N</u> ext > Cancel

3. Windows will search for and recognize the driver of the device, then display one message. Please click the **"Continue Anyway"** button. Windows will then automatically copy the driver files and related files into the system.

Hardwa	re Installation
<u>!</u>	The software you are installing for this hardware: Bluetooth 56K Wireless Modem has not passed Windows Logo testing to verify its compatibility with Windows XP. ( <u>Tell me why this testing is important.</u> ) <b>Continuing your installation of this software may impair</b> or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

4. After copying the driver files, click the **"Finish**" button to complete the installation process.



# 5.3 How to dial-up under Windows

Please refer to the Windows Operating System user guide to setup a dial-up connection.

# 6. How to use BTModemUtility?

This utility can change the name and Pin Code of the Bluetooth modem device. This utility can be found in the driver CD. (The path is: \Modem\Utility)

Before you change pin code, please notes these steps.

- 1. Turn the switch to "BT" side
- 2. Pull out and plug in the AC adapter to the power outlet to reset the modem. Now you can change your pin code.
- 3. If you forget your pin code, press the "Reset" button for 3 seconds and then release it. The setup will become to default setting.

## 6.1. Check your serial port number first. (For WIDCOMM BTW)

 In the Windows system tray, right-click the Bluetooth icon and select "Advanced Configuration".



 From the Bluetooth menu, select "Client Applications", check the "Bluetooth Serial Port". (In this case the Bluetooth serial Port is set at COM3).

Bluetooth Configuration		<u>?</u> ×
General Accessibility Discovery Lo Specify how this computer will access Double-click an application name to s	services Client / services on other Blue	Applications Hardware
Application Name Printer Audio Gateway Headset PIM Synchronization Fax File Transfer PIM Item Transfer Dial-up Networking Network Access Bluetooth Serial Port	Secure Connection Not Required Not Required Required Required Required Required Required Not Required Required	COM Port
Properties	Add COM port	Delete COM port
OK	Cancel	Apply Help

## 6.2. Getting Started

1. Double click the "Serial port on Bluetooth Modem" icon to connect.



2. You can find the serial port number on the bottom of the screen. (In this case the Bluetooth serial Port is set at COM3).



3. We recommend you NOT to select "**Do not display this message again**". That will allow you to find out your virtual COM port next time.



4. Then run the **"BTModemUtility**" from your CD

path:\\Utility\BTModemUtility.exe. If you choose the wrong virtual COM port, it will show "Fatal Error: Receive data timeout.", "Fatal Error: Failed to send data out." or "Fatal Error: Cannot open the selected COM port.". Please check your COM port in "step 2".

BTM BTModemUtility
Step 1 : Reset the BT modem then establish the SPP
Step 2 : Select the virtual COM port provided by the SPP
Select Select Select Select Step 3 : COM1 Information from the BT COM2 COM3 Information from the BT COM4 COM5 Information from the BT COM6 COM7 Status
Step 4 : Configure the BT
New Device Name : (30 characters maximum)
Authentication Status : O Enable O Disable
New Pin Code : (12 characters maximum)
Confirm New Pin Code :
Step 5 : Press the OK button to update the new
Step 6 : Disconnect the SPP connection then reset the BT
Step 7 : Press the Exit button to terminate this Exit

5. You will see target device information on the screen. The default Pin Code is 1111. You can change the device name and a new Pin Code.

BTModemUtility
Step 1 : Reset the BT modem then establish the SPP
Step 2 : Select the virtual COM port provided by the SPP
Step 3 : Get the current information from the BT
Deivce Name : BluetoothModem
Firmware Version : 1.3
Authentication Status Enable
Pin Code : 1111
Step 4 : Configure the BT
New Device Name : (14 characters maximum)
Authentication Status : 🔿 Enable 🔿 Disable
New Pin Code :
(12 characters maximum)
Confirm New Pin Code :
Step 5 : Press the OK button to update the new
ОК
Step 6 : Disconnect the SPP connection then reset the BT
Step 7 : Press the Exit button to terminate this
Exit

## Note: The device name and Pin Code have to be alphanumeric.

6. If you choose "**Disable Authentication Requirement**", you won't have to enter the Pin Code next time. Then press "**OK**", and "**Exit**".

BTM BTModemUtility	X
Step 1 : Reset the BT modem the	en establish the SPP
Step 2 : Select the virtual COM o	ort provided by the SPP
Step 3 : Get the current information	on from the BT
Deivce Name :	BluetoothModem
Firmware Version :	1.3
Authentication Status	Enable
Pin Code :	1111
Step 4 : Configure the BT	
New Device Name : (14 characters maximum)	
Authentication Status : 🤇	C Enable 💿 Disable
New Pin Code : (12 characters maximum)	
Confirm New Pin Code :	
Step 5 : Press the OK button to u	ipdate the new
ОК	
Step 6 : Disconnect the SPP cor	inection then reset the BT
Step 7 : Press the Exit button to t	erminate this
Exit	

7. After changing to a new device name or Pin Code, you must unpair the device.

Note: Select the device and right click the mouse button to choose "Pair Device" or "Unpair Device".



8. Then you select one of the Bluetooth Modem function.



9. The device will require you to enter the new Pin Code



10. You will see the new device name in the request window, and you can enter the new PIN Code to complete the pairing process.

Bluetooth	PIN Code Request
P	Device Name: MyModem
	Before a connection can be established, this computer and the device above must be "paired."
	The Bluetooth pairing procedure creates a secret key that is used in all future connections between these two devices to establish identity and encrypt the data that these devices exchange.
	To create the paired relationship, enter the PIN code and click OK.
	Bluetooth PIN Code:
	OK Cancel <u>H</u> elp

# 7. How to use Modem Country Region?

This utility can change the country region of the Bluetooth modem device. This utility can be found in the driver CD. (The path is: \Modem\Utility)

Before you change country region, please notes these steps.

#### For RS-232 Mode

- 1. Turn the switch to "**RS-232**" side . And connect with your RS-232 cable.
- 2. "Scan for hardware changes" in Device Manager.



3. Choose "Install from a list of specific location (Advanced)".

Found New Hardware Wizard	
	Welcome to the Found New Hardware Wizard
	This wizard helps you install software for:
	Analog Modem
	If your hardware came with an installation CD or floppy disk, insert it now.
	What do you want the wizard to do?
	<ul> <li>Install the software automatically (Recommended)</li> <li>Install from a list or specific location (Advanced)</li> </ul>
	Click Next to continue.
	< <u>B</u> ack <u>N</u> ext > Cancel

 Choose "Search for the best driver in these locations"→"Include the location in the search". And press "Browse" to the path in CD-ROM.

Found New Hardware Wizard
Please choose your search and installation options.
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.  Search removable <u>m</u> edia (floppy, CD-ROM)
✓ Include this location in the search:
G:\Modem\Driver\Win2K_XP Browse
Don't search. I will choose the driver to install.
Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.
< <u>B</u> ack <u>N</u> ext > Cancel

5. Press "Continue Anyway".

Hardware Installation			
1	The software you are installing for this hardware: Conexant ACF External PnP V92 Data Fax Voice (MOH) Modem has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.		
	Continue Anyway		

6. Press "Finish".

Found New Hardware Wizard				
	Completing the Found New Hardware Wizard			
	The wizard has finished installing the software for:			
	Conexant ACF External PnP V92 Data Fax Voice (MOH) Modem			
	Click Finish to close the wizard.			
	< <u>B</u> ack <b>Finish</b> Cancel			

7. Check your COM port in "Device Manager"  $\rightarrow$  "Property"  $\rightarrow$  "General". (In this case the serial port is COM1).

Conexan	t ACF External	PnP V92 Data Fax Voice (MOH ? 🔀			
General	Modem Diagnos	tics Advanced Driver Power Management			
	Conexant ACF External PnP V92 Data Fax Voice (MOH) Modem				
	Device type:	Modems			
	Manufacturer:	Conexant			
	Location:	on Communications Por(COM1)			
Device status					
This device is working properly.					
		<u>I</u> roubleshoot			
<u>D</u> evice	Device usage:				
Use this device (enable)					
		OK Cancel			

8. Select your COM port.



9. Select your country.



10.Press "OK" to finish country region setting.


## For BT Mode

1. Turn the switch to "BT" side



2. Double click the "Serial port on Bluetooth Modem" icon to connect.



3. You can find the serial port number on the bottom of the screen. (In this case the Bluetooth serial Port is set at COM3).



4. We recommend you NOT to select "**Do not display this message again**". That will allow you to find out your virtual COM port next time.

Serial port		
Į	The Bluetooth serial por COM3's now configured to connect to the device BluetoothModem.	
	The Application that will use this connection must be configured to use COM3.	
	The application may be started at any time.	
	Do not display this message again	
	ОК	

5. Select your COM port.



6. Select your country.

💷 Modem Country Region 🛛 🔀			
	COM7: 🔽 Co	nnect	
	Australia	•	
	Austria		
	Belgium		
	Brazil		
	China		
	Denmark	~	

7. Press "OK" to finish country region setting..

