the Yes button to accept the default Name tag.

(10). If the pairing process is successful, you should see a tick on the side of the mobile phone icon on your notebook or PDA.

(11). You should now be able to use the services of your mobile phone.

For further Bluetooth functions on your Ericsson mobile phone, please refer to Ericsson's User's Guide

#### How to pair with Ericsson T68

(1). On your mobile phone, scroll to "Connect", "Yes", "Bluetooth", "Yes",
"Discoverable", "Yes" to make your Ericsson mobile phone detectable by other Bluetooth devices.

(2). "Discoverable for 3 minutes" message box will pop up.

(3). From your notebook or PDA, begin a Bluetooth device search for your Ericsson T68.

(4). A mobile phone icon will show up in the right pane of the Bluetooth software window with the name of your Ericsson T68.

(5). Double click the mobile phone to discover the services it provides. You should see Serial Port, Dial-up Networking, Fax, and more, depending on the model of your mobile phone.

(6). From your mobile phone, scroll to "**Connect**", "**Yes**", "**Bluetooth**", "**Yes**", "**Discover**", "**Yes**". A list of discovered devices appears.

(7). You can now choose the Bluetooth device you wish to connect to, then select "Add to paired", the mobile phone will prompt you for a "Passkey". Type in a passkey, e.g. 55 and push "Yes".

(8). A Passkey dialog box will pop up on your notebook or PDA, type in the same passkey you've entered on your mobile. A **"Pairing Succeeded"** message box will pop up.

(9). On your mobile phone, enter a name for your notebook or PDA, or push the Yes button to accept the default Name tag.

(10). If the pairing process is successful, you should see a tick on the side of the mobile phone icon on your notebook or PDA.

(11). You should now be able to use the services of your mobile phone.

For further Bluetooth functions on your Ericsson mobile phone, please refer to Ericsson's User's Guide

#### How to sync with Ericsson T68 via XTNDConnectPC

(A) Assign COM port

- After you have installed Microsoft Outlook and XTNDConnectPC\_R2A04\_English, you would need to install a new modem to communicate with your mobile phone.
- (2) Go into Start->Settings->Control Panel->Phone and Modem Options, under "Modems" tab, click on "Add", tick the "Do not detect my modem, I will choose from list" and click "Next".
- (3) Choose Ericsson and Ericsson T68 Bluetooth (TM) Modem, then click "Next".

Add Hardware Wizard		
Install New Modem		
Select the manufacturer have an installation disk.	r and model of your modem. If your modem is not listed, or if you ., click Have Disk.	1
Manufacturer	Models	^
(Standard Modem Types) Ericsson Widcomm	Ericsson T68 Bluetooth (TM) Modem Ericsson T68 Cable Modem Ericsson T68 IR Modem Version: 1.23.8.1 [8/23/200	1:
	K	
This driver is not digital <u>Tell me why driver signing is</u>	ly signed! Have Disk.	
	< <u>B</u> ack <u>N</u> ext > Cance	el

(4) Select and assign a COM port (e.g COM10) to the newly added Modem. Click "Next".

Add Hardware Wizard			
Install New Modem Select the port(s) yo	u want to install the mode	em on.	<b>M</b>
	You have selected t	he following modem:	
	Ericsson T68 Blueto	ooth (TM) Modem	
	On which ports do y	ou want to install it?	
State Par	<ul> <li><u>All ports</u></li> <li><u>Selected ports</u></li> </ul>		
	COM8		~
	COM10		
	COM12 COM12		
Con the second	COM13		×
	<u></u>		
	(	< <u>B</u> ack <u>N</u> ext>	Cancel

(5) Click "OK" to finish the set up process. Remember the port number as you will need it later.

Phone and Modem Options	? 🛛
Dialing Rules Modems Advanced	
The following modems are installed:	
Modem	Attached To
Bluetooth Fax Modem	COM6
Bluetooth Modem	COM7
Bluetooth Null Modem	COM8
Ericsson T68 Bluetooth (TM) Modem	COM10
	move <u>Properties</u>
	Lancel Apply

### (B) Configure Bluetooth software

- (1) Check the COM ports used by the Bluetooth software are correct.
- Go to Start->Settings->Control Panel->Bluetooth Configuration, on the "Local Services" tab, the COM port should be the one you have just assigned to your Ericsson phone (e.g. COM10).
- (3) To change the assigned COM port, double click the "Bluetooth Serial Port" and choose the correct one from the "COM Port:" drop down list.

	4	Di	Lana	Contines		F		
eneral	Accessionity	Discovery	LOCO	a pervices	ClientApp	lications	Hardware	
Selectt Double	he services the -click a service	at this computer name to set	terwill tits se	l provide to curity, start	ather Bluet up options	ooth devic and prope	oes. erties.	
Servi	ce Name	St	quha	Secure C	onnection	COM Po	rt	
Audio	Gateway	Au	fo	Not Requi	red			
Head	set	Au	ño	Not Requi	red			
PIMS	ynchronization	Au	fo	Required				
Fax		Au	fo	Required				
File Tr	ransfer	Au	fo	Required				
PIM Ite	em Transfer	Au	ño	Not Requi	red			
Dial-u	p Networking	Au	ño	Required				
Netwo	irk Access	Au	fl0	Required				
Blueto	oth Serial Port	Au	10	Required		COM10		
Dial-u Netwo Blueto	p Networking irk Access ioth Serial Port	Au Au	fo fo	Required Required Required		COM10	•	
Pro	gerties				Add Se	arial Servic	pe De	lete

- (4) Check the COM port used by "Bluetooth Serial Port" in the "Client Applications" tab (e.g. COM4), remember this COM port too.
- (5) To change the assigned COM port, double click the "Bluetooth Serial Port" and choose the correct one from the "COM Port:" drop down list.

etooth Configuration		?
eneral Accessibility Dis	covery Local Services Client Applications Hardware	
Specify how this computer Double-click an applicatio	will access services on other Bluetooth devices. n name to set its security and edit its properties.	
Application Name	Secure Connection COM Port	
Human Interface Printer Audio Gateway Headset PIM Synchronization Fax File Transfer PIM Item Transfer Dial-up Networking Network Access	Not Required Not Required Not Required Required Required Required Required Required Required	
Bluetooth Serial Port	Required COM4	
Properties	Add COM port Delete COM p	ort
[	OK Cancel Apply H	lelp

# (C) Configure Ericsson's Phone Monitor

(1) Go to Start->Settings->Control Panel->Phone Monitor Options.



(2) Enable the COM port you have just assign the Ericsson Bluetooth Modem (e.g. COM10). This COM port is the one that you want to use to communicate with your phone. Make sure the COM port used by "Bluetooth Serial Port" in the "Client Applications" tab (e.g. COM4) is enabled as well. Click "OK" when finished.

Phone Monito	r Option	S	×
Mobile Phones	SIM Car	ds COM Ports Advanced Setup	
COM Ports:	s F	'ou can stop or start Phone Monitor from earching for connected phones on specific COM ports by disabling or enabling them in the list.	
COM Port	Status	Reserved	
COM1 COM10 COM11 COM12 COM13 COM14 COM3 COM4 COM5 COM6 COM7 COM8 COM9	Enabled Enabled Disabled Disabled Disabled Disabled Enabled Disabled Disabled Disabled Disabled Disabled	No No No No No No No No No No No	
<u>R</u> eserve		Inreserve <u>D</u> isable <u>E</u> nable	
	<u>0</u> K		

## (D) Configure Ericsson's Mobile Modem Settings

(1) Go to "Start->Settings->Control Panel->Ericsson Mobile Modem Settings","Modem Settings" tab and make sure the "Modem" dropdown list has the correct modem highlighted.

👋 Ericsso	n Mobile Mo	dem Settings	? 🔀
Modem Set	ttings		
	Note that these connection.	settings do NOT af	fect the GPRS
_ <u>M</u> odem-			
Ericsson	T68 Bluetooth	(TM) Modem	
- Settings f	for Ericsson T68 erred connectio	Bluetooth (TM) M n speed: (GSM Da	odem
9.6	14.4	19.2	28.8 kbit/s
Bea	rer service type.		
6	Analogue	O ISDN	<u>D</u> efault
			Version 1.00.0015
OK	Cano	el Apply	Help

# (E) Configure Ericsson's XTNDConnectPC

(1) Go to Start->Programs->XTNDConnectPC->Synchronize Ericsson Phone with Outlook.

Outlook       Image: Contacts         Ericsson Phone       Image: Contacts         Image: Contacts       Image: Contacts <td< th=""><th></th><th>Avaliable items</th><th></th></td<>		Avaliable items	
Ericsson Phone	💫 Outlook	Contacts	<u>S</u> ynchronize
<u>H</u> elp	Ericsson Phone	☑ 🧐 Calendar ☑ 🖗 Tasks	Settings
			Help
New Profile	New Profile		E <u>x</u> it

(2) Click on "Settings", "Data Sources" tab and assign data sources to "Outlook Contacts", "Outlook Calendar", and "Outlook Tasks". Then click "OK".

Settings			
General Auto Mapping	Synchronize   Filters	Conflicts   Da	Translators   ta Sources
Cutlook Contacts Ericsson Phone Cale Outlook Calendar Ericsson Phone Tas Outlook Tasks	Change data so Current File/Fol ??? (Mailbox - )	urce. der Name: ichard)	<u>C</u> hange
ОК	Cance	L Apply	Help

(2) With all the set up completed, reboot your system, the Phone Monitor should prompt you to enter some more information.



(3) Just follow the Wizard and when the set up process is completed, you should be able to synchronize your Ericsson T68 with your system.

Phone Connection Wizard - SIM C	Card Name 🛛 🔀
	What do you want to call your Subscriber Identify Module (SIM card)?
	Press Next when you are satisfied with the name.
Phone Connection Wizard - Mobi	le Phone Name 🛛 🛛 🛛
Phone Connection Wizard - Mobi	Le Phone Name 🛛 🔀 What do you want to call your phone?
Phone Connection Wizard - Mobi	Le Phone Name       Image: Comparison of the phone         What do you want to call your phone?       Image: Comparison of the phone         Image: Comparison of the phone of th

How to sync with Nokia 7650 via Nokia PC Suite for 7650

Note: Please make sure you are using Nokia PC Suite for 7650 and not other versions of PC Suite. You can download the program from www.nokia.com/cda1/0,1080,2015,00.html

(1) Install Nokia PC Suite for 7650.

(2) Start up Bluetooth software, note the COM port used by your system (check the "Bluetooth Serial Port" under "Local Services" tab in "Bluetooth Configuration, e.g. COM10).

Service Name	Startup	Secure Connection	COM Port
Audio Gateway Headset PIM Synchronization Fax File Transfer	Auto Auto Auto Auto Auto	Not Required Not Required Required Required Required	
PIM Item Transfer Dial-up Networking	Auto Auto	Not Required Required	
Network Access Bluetooth Serial Port	Auto	Required Bequired	COM10
Pronerties		Add Si	erial Service Delete

(3) Right click mRouter on the task bar and select Properties.



(4) Tick the COM port from step (2) then click "Close". If you are still unsure of which one to select, just tick every Bluetooth COM ports first.

Connection	Properties	
A State of the second second second second		Les services

Select the ports you want PC Suite to use to search for devices. Connection COM Port Status Cable COM1 Not connected Unknown COM3 Not connected Bluetooth COM7 Not connected Bluetooth COM8 Not connected Bluetooth COM9 Not connected Bluetooth COM10 Not connected Bluetooth COM11 Not connected Bluetooth COM12 Not connected Bluetooth COM13 Not connected Bluetooth COM14 Not connected Bluetooth COM15 Not connected Bluetooth COM16 Not connected Bluetooth COM17 Not connected Infrared Not connected Close Help

(5) Launch "PC Suite for Nokia 7650" from Start->Programs->PC Suite for Nokia 7650->PC Suite for Nokia 7650.

(5) Switch to the Bluetooth software, double click the "Bluetooth Serial Port On Nokia 7650" icon to establish serial connection with 7650.

(6) Key in the same passkey on both of your system and Nokia 7650 to complete the pairing process.

(7) Click "OK" when the following dialog box appears.



Blueto	oth Serial Port ? 🔀
	The Bluetooth serial port COM0 is now configured to connect to the device Nokia7650.
	The Application that will use this connection must be configured to use COM0.
	The application may be started at any time.
	Do not display this message again
	OK

(8) Ignore the error message below and click "OK".

My Blue	etooth Places
8	The \General connection failed: The remote device closed the connection
	OK

(9) "PC Suite for Nokia 7650" will now take over. Click "OK" when the dialog box below appears.

PC Suite -	Going online	
(į)	You are about to g	go online. s dialog again.
	ОК	Help

(10) Click "OK" when the dialog box below appears.

Welcome to PC Suite for Nokia 7650						
Please enter a name for PC Suite to use in the future.	order to identify	your Nokia 7650 in				
Name (maximum 16 characters - e.g. "Amanda's WID"):						
ОК	Cancel	Help				

(10) Select the functions you wish to use with Nokia PC Suite.

Create Tasks	×
This Nokia device has not previously been connected to this PC. The Task Scheduler can now create a number of useful Tasks for use with this device. Select the Tasks you wish to create from the following list: Backup - Back up your Nokia device Calendar/To-do Synchronisation - Synchronise your Calendar with your PC PIM.	_
Contacts Synchronisation - Synchronise your Contacts with your PC PIM.	

(11) Select the program you wish to Synchronize with your system, in our case we use Microsoft Outlook 2000.

Select PC Scheduler	
	Contacts Synchronisation Select the PC scheduler you want to synchronise your handheld data w from the list below. (The scheduler must be installed on your PC, or on a network to which you have access.) Lotus Notes 4.5/4.6 Lotus Notes 5.0 Lotus Organizer 5.0 Lotus Organizer 6.0 Lotus Organizer 97 Lotus Organizer GS/4.0 Microsoft Outlook 97/98/2000 Microsoft Schedule+
<u>Cancel</u> <u>Q</u> K	Help

(9) Once connected, you should see the Connected icon on the right bottom corner.



(10) Now you are ready to configure, Synchronize your Nokia 7650 with your system.

(11) To disconnect, uncheck the COM port in "Connection Properties".

Connection Pr	operties			×
Select the ports	you want P(	C Suite to use to search	for devices.	
Connection	COM Port	Status		
Cable	COM1	Not connected		
Unknown	COM3	Not connected		
Bluetooth	COM7	Not connected		
Blueto Dev	ice disco	nnected		
Blueto	i)	Your device has been	disconnected.	
	V <sup>er</sup>	🔲 Do not show this dia	alog box again.	
		ОК	Help	
	COM16	Not connected		
	COM17	Not connected		
	00000	Not connected		
Close	]			Help

## How to set up HyperTerminal for Bluetooth transfer

- (1) Install Bluetooth Software on two separate notebooks or desktop PCs (referred to as server and client in the following document).
- (2) With Bluetooth adapter inserted, do a "Search for devices" on client to find near by Bluetooth devices.

🔮 My Bluetooth Places\Entire Bluetooth Neighborhood
Eile Edit View Bluetooth Favorites Tools Help
← Back → → ← 🖬   Q Search 🖓 Folders 🎯 History   🐰 🗈 🕄 🗶 👋
Address 🥺 My Bluetooth Places\Entire Bluetooth Neighborhood 🔹 🔗 Go
1050AP-281 ACER332T deskjet 995c PCG-F270 S/N MY19E1
The search for devices has finished //,

(3) Double click on the Bluetooth device you wish to connect to (e.g. PCG-F270, the server).



(4) Double click on "Bluetooth Serial Port"; take a note of the COM port used by this connection (e.g. COM3).

Bluetooth	Serial Port
Ţ	The Bluetooth serial port COM3 will be used when connecting to device PCG-F270
	Application that use this service must be configured to communicate using COM3. It can be started at any time.
	🔲 Do not display this message again
	( <u> </u>

(5) The Bluetooth Serial connection should now be established.



(6) On the client side, open HyperTerminal. Choose the COM port used by the Serial connection in step 4.

Connect To
<b>A</b>
Enter details for the phone number that you want to dial:
Country/region: United States of America (1)
Ar <u>e</u> a code: 3
Phone number:
Connect using: COM3
OK Cancel

(7) Set the baud rate and other settings as required.

COM	3 Properties				? ×
Po	ort Settings				
					- I
	<u>B</u> its per second:	2400		•	
	<u>D</u> ata bits:	8		•	
	<u>P</u> arity:	None		•	
	<u>S</u> top bits:	1		•	
	Elow control:	None		-	
			<u>R</u> estore	Defaults	
	0	ĸ	Cancel	App	y.

(8) On the server side, check the local COM port used by the system in the Bluetooth Configuration window (e.g. COM6).

luetooth Configurati	on				<u>?×</u>
General 📔 A	ccessibility	Disco	very	Informati	on Exchange
Local Services C	lient Applications	: Hard	ware   Ve	ersion Info	Notifications
Double click a Specify the services	service name to that this compute	set its secu er will provid	urity and star de to other E	rt-up proper Iluetooth de	ties. evices.
Service Name	Startup	Author	Authen	Encry	COM Port
Information Synchro	niz Auto	Not R	Not Re	Not R	
Fax File Transfer Information Exchany Dial-Up Networking Network Access Bluetooth Serial Por	Auto Auto ge Auto Auto t Auto	Not R Not R Not R Not R Not R	Not Re Not Re Not Re Not Re Not Re	Not R Not R Not R Not R Not R	СОМ6
Add Serial Service Delete					
	OK	Can		Apply	Help

(9) Open HyperTerminal, choose the COM port used by the system in step 8.

Connect To	<u>? ×</u>
<b>A</b> 1	
Enter details for	the phone number that you want to dial:
<u>C</u> ountry/region:	Taiwan (886) 🗾
Ar <u>e</u> a code:	3
Phone number:	
Connect using:	СОМ6
	OK Cancel

(10) Set the baud rate and other settings as required.

COM	l6 Properties					<u>? ×</u>
Po	ort Settings					
	[					_
	<u>B</u> its per second:	2400			•	
	<u>D</u> ata bits:	8			•	
	<u>P</u> arity:	None			•	
	<u>S</u> top bits:	1			•	
	<u>F</u> low control:	None			•	
			<u> </u>	estore	Defaults	
-	0	ĸ	Cance	el	Api	ply

- (11) The HyperTerminal connection should now be established. Type something on the client side and the same thing will appear on the server.
- (12) To transfer files, select "Send File" from the menu bar of the client system, and select the file you wish to

	Zmodem with Crash Recovery file send for 1					
	Sending:	D:\Nokia\Nok	ia_PC_Suite_4	181.exe		
	Last event:	Sending			Files:	1 of 1
	Status:	Sending				0
	File:				10179k of	27439K
	Elapsed:	00:03:56	Remaining:	00:06:40	 Throughput:	44166 cps
tropofor					Cancel	<u>c</u> ps/bps
transfer.						

**Client window** 

Zmodem with Crash Recovery file receive for 1				
Receiving:	NOKIA_PC_SUITE_481.EXE			
Storing as:	C:\NOKIA_PC_SUITE_481.EXE	Files: 1 of 1		
Last event:	Receiving	Retries:		
Status:	Receiving			
File:		10401k of 27439K		
Elapsed:	00:04:00 Remaining: 00:06:33	Throughput: 44322 cps		
	[Cancel ]	<u>S</u> kip file <u>c</u> ps/bps		

#### Server window

(13) The received file should be placed on the C: drive of the server system (default location).

#### How to HotSync with Palm Bluetooth SDIO and Tungsten T

Please make sure you have installed Bluetooth software and Palm Desktop on your notebook or desktop PC before proceeding to the setup instructions below.

- (1) From the Palm main panel, tap the HotSync icon.
- (2) Tap HotSync and select "Connection Setup" from the menu bar.
- (3) Tap "New".
- (4) Give the new connection a name, e.g. BTConnection.
- (5) Change "Connect to:" to "PC".
- (6) Change "Via:" to "Bluetooth".
- (7) The "Device:" option will pop up, tap to find the Bluetooth system you wish to HotSync with.
- (8) Select the Bluetooth system you wish to HotSync with and tap OK.

- (9) Tap "Yes" when prompted with "Do you want to add \*\*\* to your trusted device list?".
- (10) Key in the same passkey on Palm and your notebook or desktop PC to complete the pairing process.
- (11) Tap "OK" and "Done" to return to the HotSync panel
- (12) Tap the dropdown menu to select the Bluetooth connection you have just created. E.g. BTConnection
- (13) From the notebook, find out the local COM port used by "Bluetooth Serial Port", e.g. COM4. (My Bluetooth Places->My Device, right click My Bluetooth Serial Port and select Properties)



(14) Change the COM port setting in Palm HotSync to match the COM port

found in step 11, e.g. COM4.

S	etup			×
	General	Local	Modem Network	
	<u>S</u> e	rial port:	COM4	
		Speed:	As Fast As Possible 💌	
		ОК	Cancel <u>Apply</u> Help	

(15) Change the connection type to "Local Serial" in the HotSync Manager.



(16) Tap the HotSync silk button on Palm, and the HotSync process should begin in a few seconds.

# How to dial-up from Palm Tungsten T to my PC's modem to surf the Internet

(1) Enable Bluetooth on your PC and make sure you can dial up to the ISP with your modem.

(2) On your Palm, in the main panel, tap "Prefs", select "Communication", and

select "Network".

- (3) Tap "New" button.
- (4) Key in a new name for "Service:", e.g. pcmodem.
- (5) Key in the "User Name:"
- (6) Key in the "Password:"

(7) Tap on "Connection" and select "Edit Connections..." to create a new connection setup.

(8) Tap "New" button.

(9) Key in a new name for "Name:", e.g. btmodem

(10) Tap on "Connect to:" and select "Modem"

- (11) Tap on "Via:" and select "Bluetooth"
- (12) Tap on "Device:", wait for your PC to be found
- (13) Select your PC and tap "OK"
- (14) Palm will ask you to add your PC to the trusted device list, tap "Yes"
- (15) Key in a numeric passkey, e.g. 1, and tap "OK"

(16) Type in the same passkey on your PC, now the pairing process is complete

(17) Make sure "Dialing:" is set at "Touch Tone"

- (18) Tap the "OK" button and "Done" to return to the Network page
- (19) Tap on "Connection:" and select the connection setup you've just created
- (20) Tap on "Phone:" and enter the phone number of your ISP
- (21) Tap the "Connect" button and the modem on your PC should start dialing

(22) Once connected, launch a web browser and you should be surfing the Internet.

### Troubleshooting

Q1.: Why doesn't my Bluetooth device find any nearby Bluetooth devices?A1.: (1) Please check that your Bluetooth device is enabled by opening the Bluetooth Configuration window.



(2) If the Bluetooth device is enabled, you will see something of the following nature.

Bluetooth Configurati	оп	Correct	? 🔀
General Accessibility E	)iscovery Local Services	Client Applications	Hardware
Devices:			
Name		Туре	
BTSerialBCSPDevice		Serial BCSP	
Device Properties			
Device Status:	The selected device is	working properly.	
Manufacturer:	Cambridge Silicon Rad	dio	
Firmware Revision:	Version 525		
Device Address:	00:10:60:A2:88:66		
HCI Version:	Bluetooth HCI 1.1		
HCI Revision:	020D		
LMP Version:	Bluetooth LMP 1.1		
LMP Sub Version:	020D		
Retest			
	OK Can	cel Apply	Help

(3) Otherwise, for USB Bluetooth adapter, please unplug then plug in the USB Bluetooth adapter to enable the device.

For CF Bluetooth card, please reboot the system with the CF Bluetooth card securely inserted in the PCMCIA slot.

Bluetoot	h Configura	tion Incorrect 🕐 🔀
General	Accessibility	Discovery Local Services Client Applications Hardware
Device	s:	
Name	9	Туре
Blu	etooth Device	s Not Detected
Devic	e Properties –	
Dev	/ice Status:	Device not found.
		The device may not be installed correctly, it may be powered off, it may be disabled or it may not be operational.
		Check the Windows Device Manager for help troubleshooting the problem.
Re	test	
		OK Cancel Apply Help

Q2.: Why doesn't my CF card work after I unplug and later plug-in again?

A2.: CF Bluetooth card is not a plug-n-play device.

Please reboot the system with the CF Bluetooth card securely inserted in the PCMCIA slot to enable the driver again.

Q3.: Why can't I transfer files from Nokia 7650 to my PC?

A3.: If you are having trouble sending files from Nokia 7650 to your notebook or PC, follow the steps below:

(1) Execute "regedit" from the Run command (Start->Run)

(2) Locate the key:

HKEY\_CURRENT\_USER\Software\Widcomm\BTConfig\Services\0004, and locate the entry "Accept other".

(3) Set this key to 0x0000001.

If the "Accept other" key does not exist, simply create it with type DWORD and fill in the value.

Save and exit Regedit. Reboot if necessary, now you should be able to send files from Nokia 7650 to your notebook or PC.

Q4. : Why some devices within connection range may not show up in the list of devices found?

A4.: Your device is configured to report only specific types or classes of devices (Bluetooth Configuration Panel > Discovery tab, on your device). The unlisted device is configured to be non-discoverable (Bluetooth Configuration Panel > Accessibility tab, on the un-listed device).