Bluetooth Conference Bridge

BCB-210X

User Guide

V0.1

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Federal Communication 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 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.

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

Introduction

Welcome to the Bluetooth Conference Bridge manual. In this manual, you will learn how to use this Conference Phone Kit to do all popular Skype standard functions, such as Conference call, Contacts, History, SkypeOut, SkypeIn, etc. This Conference Phone kit enables you to make and receive Skype calls anywhere, without being in front of the PC. With advanced acoustic echo cancellation technology and superior noise suppression design, this Bluetooth Conference Phone can provide you business quality conferencing experience.

Key Features

- Advanced acoustic echo cancellation technology
- Superior noise suppression
- Support long range Bluetooth Class 1 standard that reaches up to 100 meters distance in outdoor clean environment.
- Feature easy of use graphical user interface.
- Support long life Lithium rechargeable battery.
- Support advanced power down management to extend battery life.
- Support USB-port charging while traveling on the road.

Getting to know the Conference Phone Kit

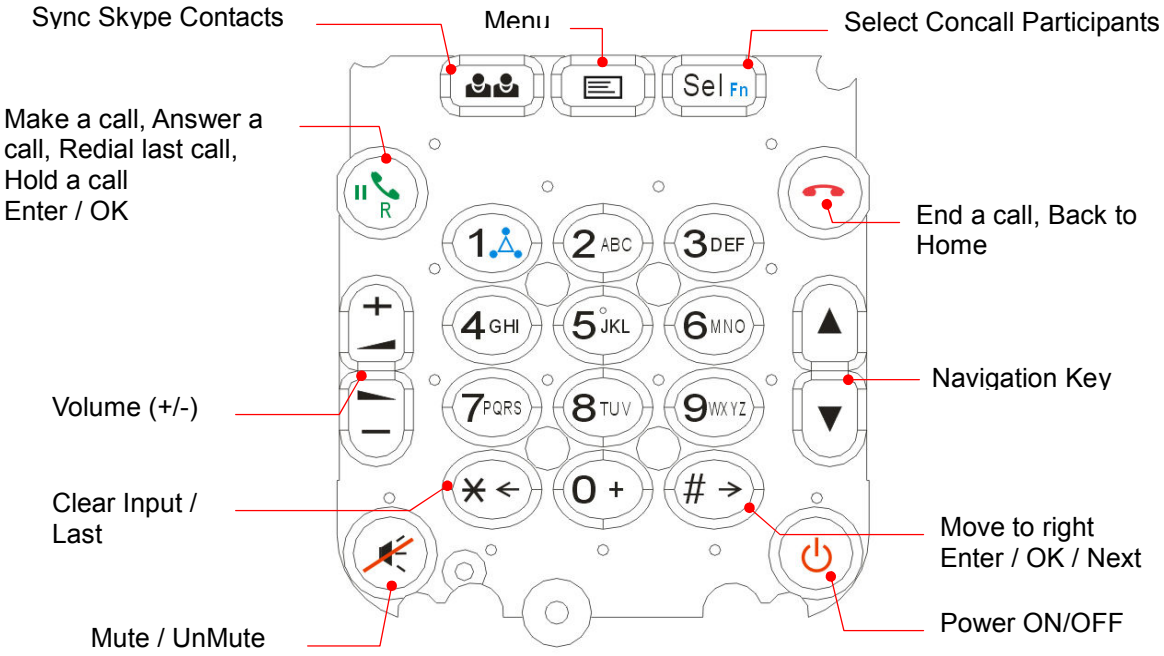
Packing Contents

- BCB-210X Bluetooth Conference Phone
- BUB-211C Advanced High Power Bluetooth USB Adapter
- 5V 1A Power Adapter with miniUSB connector
- Quick Guide
- Utility & Driver CD-ROM

Identifying Components

BCB-210X

MIC3 LED
Antenna
MIC2 LED
MIC 3
MIC 2
Speakerphone
LCD: 128 x 80
Bluetooth LED
Power LED
MIC1 LED
miniUSB Connector
Mute LED
MIC1


Sync Skype Contacts
Menu
Select Concall Participants
Make a call, Answer a call, Redial last call, Hold a call Enter / OK
End a call, Back to Home
Navigation Key
Volume (+/-)
Clear Input / Last
Move to right Enter / OK / Next
Mute / UnMute
Power ON/OFF

Getting Started

Minimum System Requirements

- PC running Windows XP, 2000
- Skype software installed
- At least 600 MHz processor
- At least 128 MB RAM
- At least 50MB free disk space on your hard drive
- CD-ROM drive

Setting up the Conference Phone kit

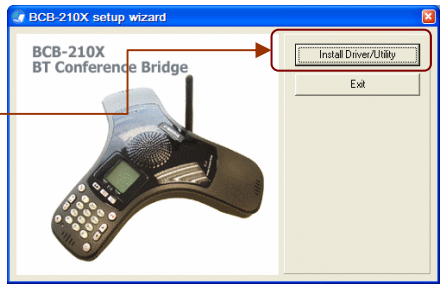
1. Connect USB cable to charge battery pack (please let the battery charge for a full 6 hours before using the phone for the first time)

Software / Driver Installation

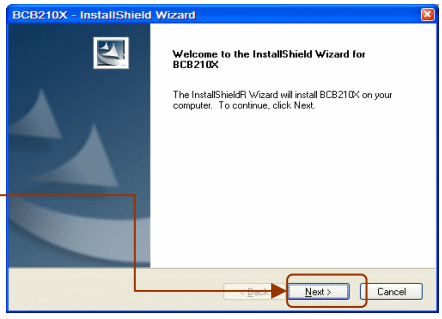
If you have any Bluetooth driver (software) previously installed on your computer or built-in bluetooth device, please remove the driver and disable Bluetooth device first!

1. Please insert the Utility & Driver CD into CD-ROM drive, and then follow the instruction below to install Utility and drivers.
   Note: DO NOT connect the BUB-211C USB adapter until instructed to do so.
   Note: If the setup menu does not launch automatically, use Windows Explorer to navigate to the appropriate CD-ROM drive and run "Setup"

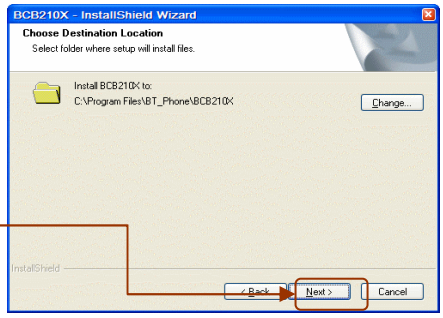
1. Insert the **Utility & Driver CD ROM** into your computer's CD-ROM Drive and then click **Install Driver/Utility**.



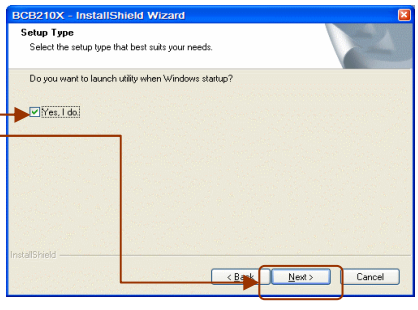
2. Please click **Next**.



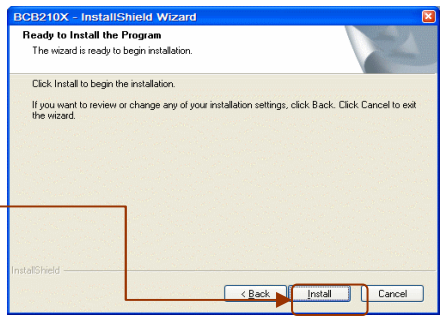
3. Please click **Next**.



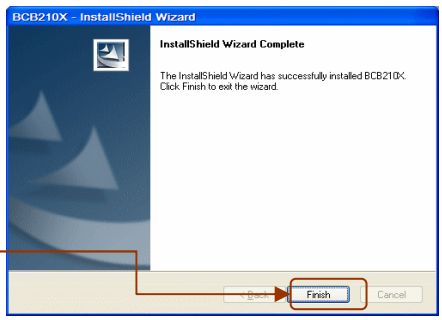
4. When you reach this screen, please select **Yes, I do**. Click **Next**.



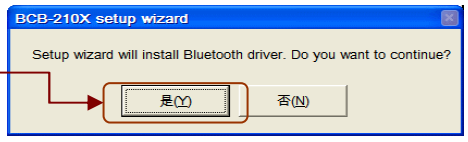
5. Please click **Install**.



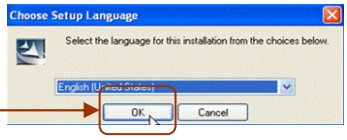
6. Please click **Finish**.



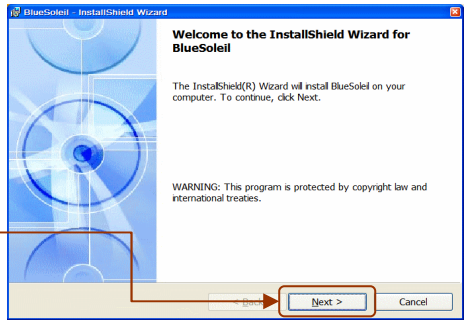
7. Please click **Yes** to begin Bluetooth adapter installation.



8. Please select **Language** from the drop down menu and then click **OK**.

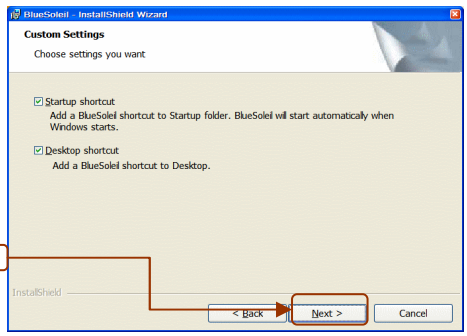


9. Please Click **Next**

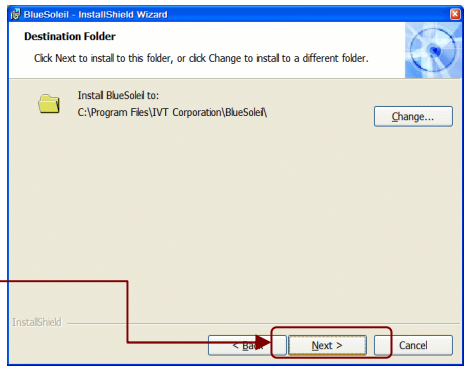


10. Please select **I accept the terms in the license agreement**. Click **Next**

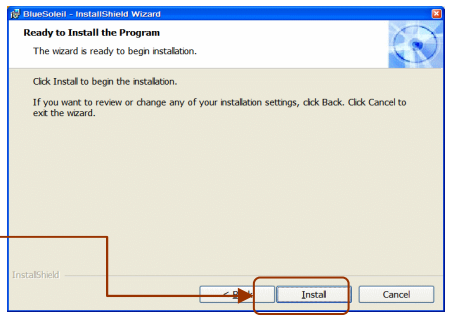
11. Please Click **Next**



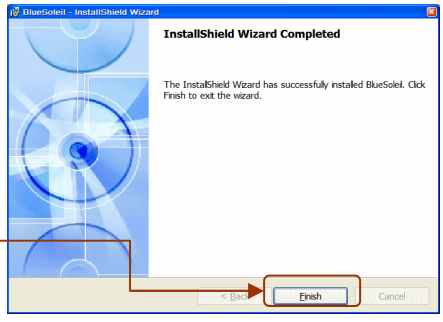
12. Please Click **Next**



13. Click **Install**

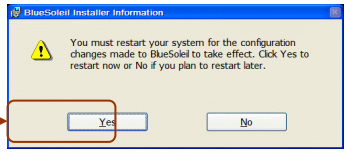


14. Disregard all popup Windows except for the installation Window shown to the right and click **Finish**

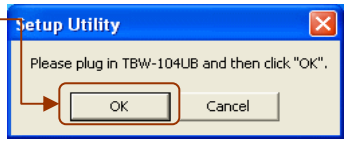


Win2K only

15. Please click **Yes** to restart your computer

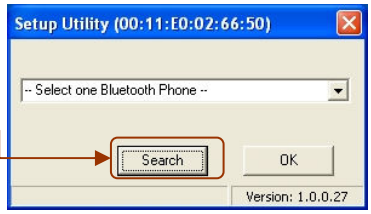


16. After the computer restarts (Win2K) or Installation complete (WinXP), the Setup Utility should pop-up, if not double-click the **ClearySky** icon. Plug in USB adapter and click **OK**



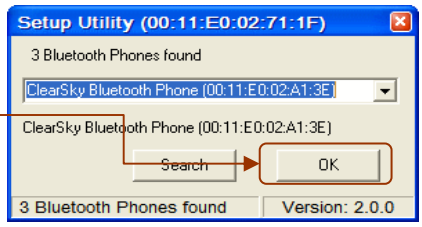
17. Click **Search**.

Note: If a window popup to ask you enter PIN code, please enter “0000”



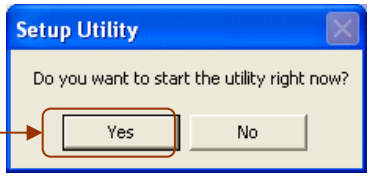
18. Power On The Bluetooth Phone and press the **Menu** button ( ) located below the LCD screen. Select **Pairing** from the menu and then press the **Call** button to enter **Pairing Mode**. Click **OK**

19. Select your Bluetooth Phone (Please check the MAC address to select the right device. Please remove the battery to locate the MAC address label). Click **OK**.

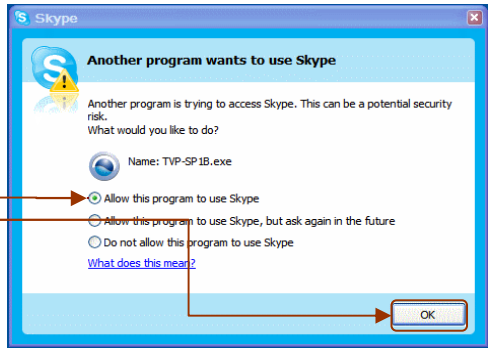


20. To finishing Bluetooth pairing click **OK**.

21. Please click **Yes** to launch the Bluetooth Phone Utility.



22. Select **Allow the program to use Skype** and then click **OK**.

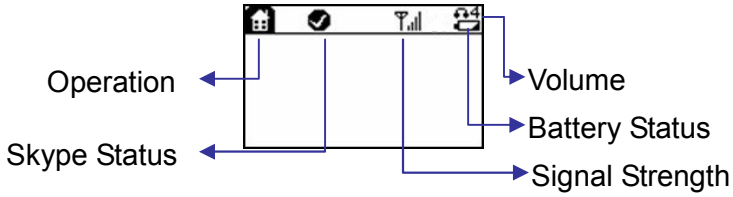


Appliactions Installed

After you finish above installations, “**IVT BlueSoleil**” and “**BCB-210X**” items will be added to Windows Start Menu Programs group.

Exploring the Conference Kit Display

Display Icons



Icons		Description		
Operation		Indicate which operation your phone is doing.		
		Main page		
		Sync Skype contact lists		
		Configuration Menu		
		Incoming or Outgoing calls connected		
		Incoming call ringing		
Skype Status				
		Skype Me		Offline
		Online		Invisible
		Away		Pending
		Do Not Disturb		Skype Out
		Not Available		Block
Signal Strength		Show Bluetooth Signal Strength		
Volume level		Adjust earpiece volume		
Battery Status		Indicate Battery status.		
		This bar goes lower as the battery charge runs low		
		Charging		
		Full charge		

Main page

Press to go to main page.

4 possible cases on main page:

1. Bluetooth is disconnected: LCD shows “BT Phone”, Signal strength icon is disconnected
2. Bluetooth is connected but skype is not signed in: LCD shows “BT Phone / Skype Unavailable”, Signal strength icon shows levels of signal strength
3. Bluetooth is connected and skype is signed in: LCD shows “BT Phone”
4. Bluetooth is connected, skype is signed in and has missed calls: LCD shows “BT Phone / # Missed calls”.

Contact List Page

Press can go to Contact List page

- Show Contacts (Displayname > Full Name > Skype Account)
- Sort by Skype status (Online / Offline)
- Sort by name

Quick Access

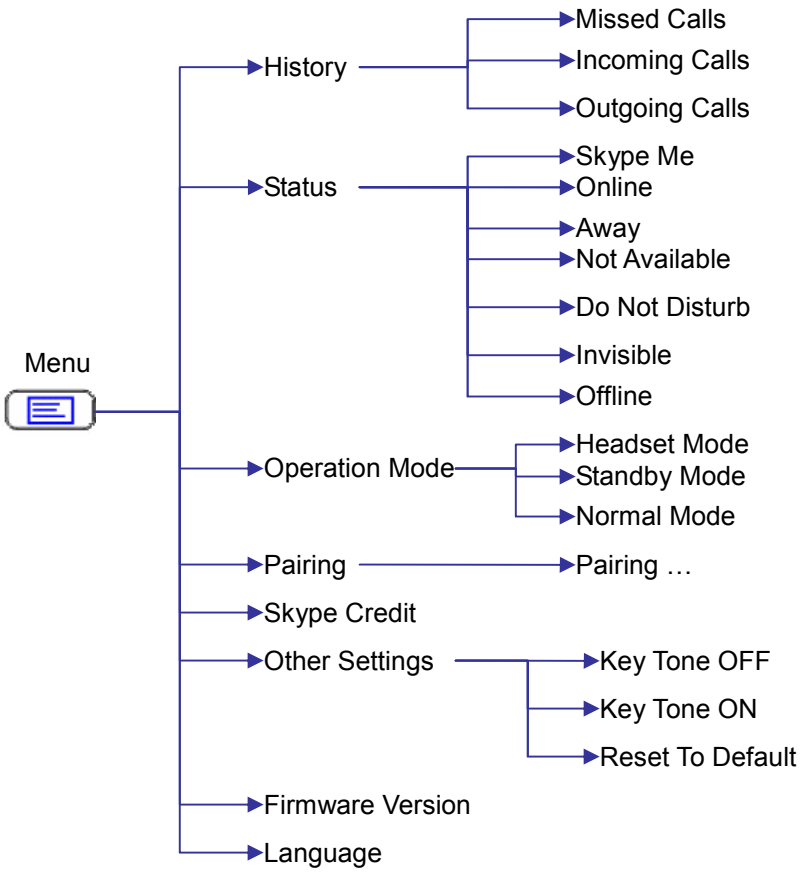
1. Press the first letter of the name. (Press a key once to insert the first letter on the key, twice for the second letter, and so on.)
2. Press ‘1’ to go back to the top of the contact list
3. Press ‘1’ again to go to the last online contact, so you can rolling from bottom to the beginning

Scrolling Long Display Name (long name which cannot be displayed completely on LCD)

1. Press to move to right.

Configuration Menu

Press to enter configuration menu



Submenus		Descriptions
History	Missed Calls	Display Missed call lists
	Incoming Calls	Display Incoming call lists
	Outgoing Calls	Display Outgoing call lists
Status		Change my status. Status options: “Skypeme”, “Online”, “Away”, “Not Available”, “Do Not Disturb”, “Invisible”, “Offline”
Operation Mode	Headset Mode	Conference Phone acts as a headset to support audio over MSN Messenger, Yahoo Messenger and more Press **On-hook** (red button) to return to normal mode
	Standby Mode	If there is no input or active calls in 6 minutes, Conference Phone will enter standby mode for power saving to wait for any incoming call.
	Normal Mode	(default setting) Conference Phone will be powered off automatically when there is no input or active calls in 6 minutes.
Pairing		Let Bluetooth Phone enter Pairing Mode. Device MAC address will be displayed on LCD
Skype Credit		Showing how many skype out credits you have
Other Settings	Key Tone ON	Turn on keypad tone
	Key Tone OFF	Turn off keypad tone

	Reset To Default	
F/W Version		Showing F/W version installed. 1st MAC address: MAC address of this device 2nd MAC address: MAC address of Paired USB Adapter
Languages		Select LCD display language

Guide to Basic Functions

Call Skype™ Contact

1. Press to turn on device → Wait until phone shows “ClearSky” and signal strength icon shows “connected” → press to sync contact lists with PC skype
2. Use List button to scroll up/down the contact lists
3. Press to start a call.
4. Press to disconnect this call

Call an ordinary phone number (Skype™ out)

1. Enter “+” ( ) + phone number you want to call. (Press to delete an incorrect digit)
2. Press to start a call.

Answer a call

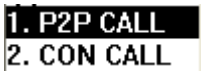
1. Press to answer any incoming call.

Make a Conference Call

A. invite another contact when you are chatting

1. Make 1st call
2. Press to invite 2nd contact → Press to place the call
3. Choose “CON CALL”

to invite 2nd contact to join this conference call with 1st contact

4. Choose “P2P CALL” 

to hold 1st call and talk to 2nd contact.

B. invite contacts and conference them together

1. Press to go to the contact list menu.
2. Press

to mark the contact you want to include in this conference call. (Conference participants (max 4+host)
3. Press to start this conference call

Redial outgoing calls

1. Press to show outgoing call lists.
2. Select the contact (from the outgoing call list) you want to dial to make a call.
3. Press to make a call

Redial any call from History

1. Redial from Missed Calls: Press →History→Missed→Choose one contact to dial. (press to cancel this action and go back to home)
2. Redial from Incoming Calls: Press → History →Incoming Calls→Choose one contact to dial.
3. Redial from Outgoing Calls: Press → History →Outgoing Calls→Choose one contact to dial.

Operations during a call

Mute Microphone

Press to mute / unmute microphone

Hold a call

Press to hold / continue the call

Appendix

Specifications

RF Standard	Class 1 Bluetooth v2.0 Backward compatible with Bluetooth v1.1 & v1.2
RF Frequency	2.4~2.4835 GHz, ISM band
Spread Spectrum	Frequency Hopping and Adaptive Frequency Hopping
RF Output Power	Up to 17 dBm (maximum)
Display	128 x 80 pixel, graphical type STN LCD with backlight
Interface	• Mini-USB connector for charging from computer USB port or external power adapter • Built-in Mono-Speaker / Microphone
LED Indicator	1. Power on x1 (blue): “Flashing” means this device is in standby mode 2. MIC on x 3 (blue) 3. Bluetooth Online x1 (blue) 4. Microphone mute x1 (red)
Battery	3.7V 650 mAh Lithium rechargeable battery pack (built-in)
Power	Charge via USB port
Antenna	One External antenna
Power Consumption	Normal Mode: 30 days Standby Mode: 72+ hrs Talk time: 4+ hrs
+	Volume up
-	Volume down
	Contacts button to Sync Skype contact list
	Menu button • Operation Mode (Single user Mode or Meeting Mode) • History • Status: Change Skype status (Skypeme, Online, Away, Not Available, Do Not Disturb, Invisible and Offline) • Pairing • Skype Credit • Headset mode • F/W Version
	On-hook (hang-up), Back to Main page

	Off-hook, Make a call, Answer a call Redial last calls
	Mute Microphone
	Power on / off
Dimension	242 x 242 x 54 mm (9.5 x 9.5 x 2.1 in.)
Environmental Condition	Operating Temperature: 0 ~50° C , Humidity:10 ~ 90% Storage Temperature: -20 ~70° C, Humidity:10 ~ 90%
Certifications	FCC, CE

Note: According to Bluetooth spec, the signal range of Class 1 is 100 meters. 100 meters is the maximum distance that is realistically possible. The environment where the Bluetooth phone kits are been used might have effect on the actual distance that can be attained.

Troubleshooting

Problem: Press “Power on” button, but nothing happen, no display

Solution:

1. Make sure the included rechargeable battery is fitted in the handset correctly.

Problem: Pop up a Bluetooth Security window

Solution:

1. Bluetooth PIN should be self-assigned when pairing with Bluetooth phone. If this window pop up, please input default Bluetooth PIN: “0000”.

Question: How to distinguish standby mode and power-off mode

Answer: Please check LED, if LED is not blinking, Bluetooth phone is in power-off mode. If LED blinks every 5 seconds, Phone is in standby mode.

Problem: No response on your phone (LCD stuck in the same page no matter which key you enter).

Solution: Please remove battery to restart your Bluetooth phone.

Problem: PC music plays in Bluetooth phone

Solution: When you finish installation, system default audio device will be set to Bluetooth wave. If you want to change back to PC original default audio device, please go to Settings→Control Panel→Sounds and Audio Devices→Audio to choose default device.

Problem: Why can I just invite one contact to join my current call?

Solution: If you need to hold a conference call with more than 2 contacts, please choose contacts first and then make a conference call. For “join” function, our phone just allow one participant to join current call.

Problem: Another ringer during my conversation

Solution: This means another incoming call is waiting for your response. You can answer this call and hold current one by pressing “off-hook” or reject this incoming call by pressing “on-hook”

Question: What’s the time period before the phone goes into standby mode?

Answer: 6 minutes

Problem: One warning sound made by Bluetooth phone

Solution: This might be “low battery warning” signal. Please check your battery icon to see when it shows “no”. Please use the included USB cable to charge Bluetooth phone.