

Table of Contents

Introduction.....	3
Installation.....	6
Pairing Bluetooth headset with the Gateway.....	8
Making a call.....	8
Answering a call.....	10
Pairing with Multiple Headsets.....	10
Specifications.....	11
Troubleshooting.....	12

First edition (April 2004)

Corrections, changes and improvements to this manual might be made at any time and without notice. Such update will, however, might be incorporated into new edition of this manual. The manufacturer assumes no responsibility or reliability for any error or inaccuracy that may appear in this user guide.

All rights reserved.

Bluetooth is trademark of the Bluetooth SIG, Inc. The trademark are owned by Bluetooth SIG, Inc. USA

FCC Statement

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 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.
- You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

A. Introduction

Thank you for your purchase of BTG-100, Bluetooth Phone Audio Gateway. Your BTG-100 enables convenient cordless communication with analogue landline phone and Bluetooth headset that are compliant with Bluetooth version 1.1 (or higher) and support the headset profile.

Bluetooth technology make wireless link between any compatible mobile and stationary communication devices. The technology adopts a global available RF frequency range to establish RF link that offer secure, fast and reliable transmission of voice and data.

This user guide is intended to help you set up the gateway and to quickly familiarize yourself with its operations. This document will guide you through the installation and provide you with instructions on how to use the gateway's features.

What is inside the box

The following items should be in your giftbox that comes with the Bluetooth Phone Audio Gateway. If an item is missing, please contact your dealer.

Quantity Description

BTG-100 Bluetooth Phone Audio Gateway for house phone * 1

Linear AC Power Adapter with cord * 1

Phone cord * 1

User Manual * 1

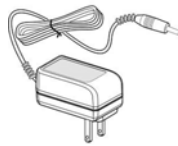
Quick Start Guide * 1

It is recommended to use the power supply provided, otherwise there is risk of damaging the Bluetooth phone audio gateway.

PICTURES of ITEMS in the BOX



BTG-100 Audio Gateway

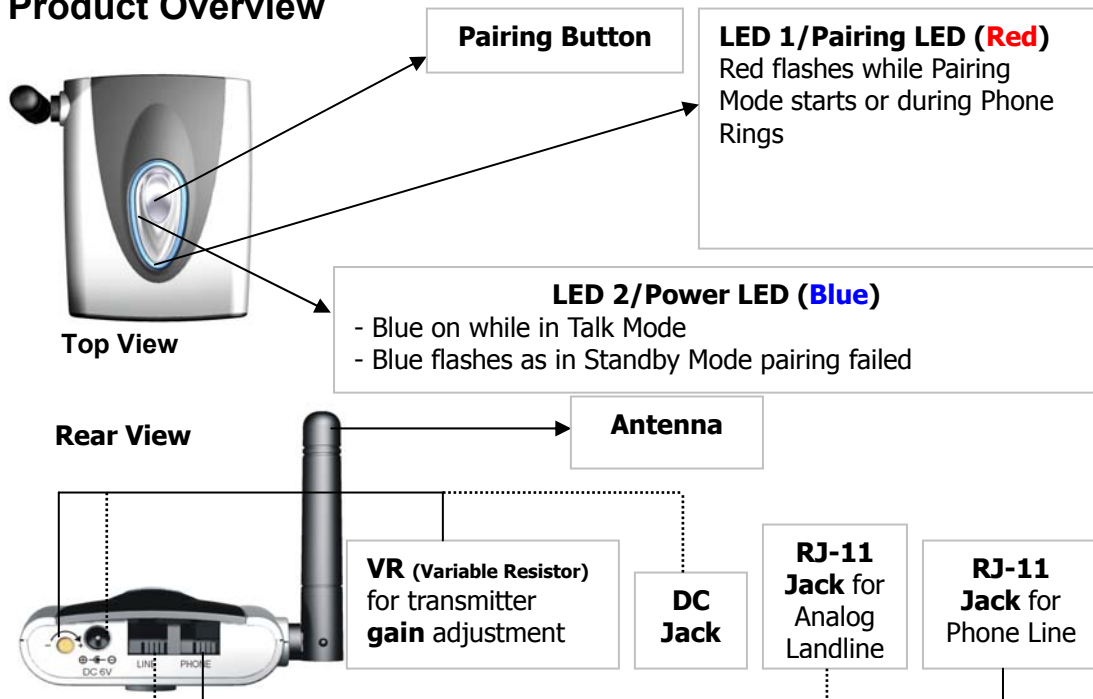


Linear AC Power Adapter



RJ-11 Phone cord

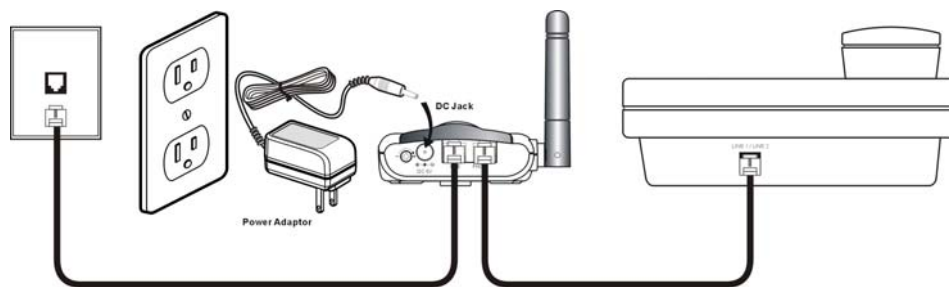
Product Overview



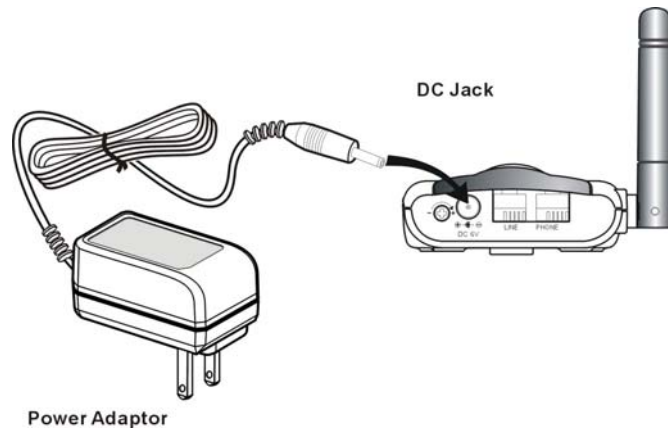
B. Installation

Follow the procedures below to hook up your Gateway to your phone, cordless or otherwise. This would allow you to receive or make call with your Bluetooth headset through a regular phone line. This also frees you from being restrained by the length of your phone cord during conversation.

1. Un-hook the original phone line from the phone.
2. Hook up the Gateway by RJ11 port marked "PHONE" to your landline phone using the phone cord provided in the giftbox.
3. Hook up the original phone line to another phone jack marked "LINE" (RJ11 next to the power jack) on the Gateway



4. Verify if working range of your AC power adapter input voltage complies to local receptacle output voltage.
5. Plug the AC power adapter to the DC power Jack of Gateway and plug the leads of AC power adapter to a receptacle that provides corresponding power source.



6. The LED Indicator start to flashes blue after power on.

C. Pairing Bluetooth Headset with the Gateway

1. Make sure the Gateway is powered on and is in idle mode. That is, LED indicator should be blinking every two (2) seconds.
2. Set the Bluetooth headset in its "pairing mode". Please refer to your headset manufacturer user documentation on pairing for the proper procedures.
3. The Passkey (Pin Code) of the Gateway has been pre-stored in factory as **0000**.
4. Make sure your Bluetooth headset's PIN code is the same as the Gateway has.
5. Press the "Pair" button on the Gateway and release, LED indicator start blinking red. Within a few seconds, then LED Indicator shall flash both red and blue at the same time for a very short moment, which indicates the pairing process are completed. You can also check your headset LED to verify the status.
6. After pairing has completed, Gateway returns to the idle mode regardless of whether pairing has been successful or not. The LED indicator should flash blue every two seconds.

Remark : 1 It is recommends that proceed pairing in a secured arena.

2 The Gateway can be paired with up to 4 different headsets. The 5th pairing removes the memory of the 1st one.

3. After paired successfully, the gateway will keep this pairing ID in memory even power off. Once power on again, it work with paired device without re-pairing.

D. Making a Call

1. If your headset supports **Multi-Device ID Switch (e.g. BTH-101)** then select the line

switch to the gateway's ID number; or if your headset does not support such switch and has been paired with the Gateway only, press and release the headset's talk button once to ascertain that the Gateway goes off hook. LED indicator on the Gateway should light steady blue. Skip to 3.

2. If your headset does not support the switch function in 1, and you need your headset to be paired with more than one device (e.g. the gateway and your mobile phone), please pair the Gateway lastly. press and release the headset's talk button once to ascertain that the Gateway goes off hook. LED indicator on the Gateway should light steady blue. Skip to 3.
3. Lift the handset of phone, upon hearing a dial tone from the headset, you should key in the numbers that you want to dial using the keypad on your phone, then, wait for the ringing tone.
4. When you are done with your conversation, press and then release the talk/end button on the headset once to terminate the call. The Gateway would then return to idle mode.

Remark : You can also proceed 3 and then 1 to make phone call. That is to use the dialing pad on the landline phone to dial the numbers first then press the Talk Button on the Bluetooth headset, the landline phone will hand over the ring tone or voice if getting through. Hang up the handset and start to talk or wait from the Bluetooth headset.

E. Answering a Call

1. Make sure the headset, which has been paired with the Gateway, is powered on, in stand-by mode and within the working radius of each other.
2. When receive call, you hear a ringing tone in your headset and the Gateway LED indicator shall blinks red, press the talk button once to answer the call. The Gateway will go off-hook almost immediately. Gateway LED indicator shall light steady blue while phone call going.
3. When you are done with your conversation, press the talk button on the headset once to terminate the call, and the Gateway will go back to idle mode.

F. Pairing With Multiple Headsets

The Gateway could be paired with up to four (4) headsets at one time. Headsets that are paired with the Gateway thereafter would replace those of the previous 4's, starting with the first, followed by the second, and so forth. Once paired with the Gateway, headsets could make calls at freedom any time without having to re-pair again, as long as these headsets, except those headsets supporting **Multi-Device ID Switch(e.g. BTH-101)**, do not pair with other Bluetooth devices such as the Bluetooth enabled mobile phones afterwards. Normal headset without **Multi-Device ID Switch** function that pairs with another Bluetooth device after it has paired with the Gateway would have to re-pair with the Gateway before it could again initiate outgoing calls.

Incoming calls to the Gateway are only diverted to the headset that last connected to it – for the purpose of receiving an incoming call; dialing out for an outgoing call or, it was just for pairing. To ensure that incoming calls are to be diverted to a specific headset that has previously been paired, re-registration of the headset with the Gateway is required. Simply press the Talk button on the headset twice: first for connecting to the Gateway; second for disconnection. This would complete the re-registration process.

G. Specifications of your BTG-100 Audio Gateway

• Bluetooth : Bluetooth V1.1 compliance, Class I	• RF Frequency: ISM Band 2.4G~2.4835GHz
• Profile : Bluetooth Audio Gateway Profile	• Operating Range: Up to 60 meters
• Dimension L*W*H : 91mm*65mm*20mm	• Weight : 85 grams
• Interface : CO. Line interface ; Bluetooth Technology	• I/O : external Dipole antenna, DC Jack, RJ-11*2
• Transmission Power : -12 dBm to 8dBm	• Receiving Signal Range : -88 dBm to -20 dBm
• Operating Humidity : 5 to 85%	• Operating Temperature : -20°C ~ 55°C
• Storage Temperature : -20°C ~ 85°C	• Compliances : BQB/FCC/CE/TEL

H. Troubleshooting

Symptom	Solution
There is no dial tone when pick up hand set of the phone after link with the Gateway	<ul style="list-style-type: none"> *Make sure the phone you connect the gateway is an analogue phone. *Make sure the PBX your phone connect to is analogue or hybrid type. *Make sure the Line jack of Gateway you have comply to local telecom interface. (check the label at the rear panel of the gateway body)
The speaker volume is too low in call.	<ul style="list-style-type: none"> * Refer your headset's manufacturer user documentation on headset volume adjustment. * Adjust VR on the rear panel of Gateway to get better gain
No sound contact between headset and my Gateway when place or receive a call.	<ul style="list-style-type: none"> *Make sure that the two devices has been paired and the headset is one of the last 4 paired device of the Gateway. *For incoming call, make sure the headset is the last one that Gateway has been paired with. Or you can simply press talk button of headset twice (link and disconnect) to re-registrate headset to the Gateway. *Make sure that the two devices are power on and within working radius of each other without solid objects, such as walls of furniture, in between *Some headset support only one Bluetooth device. If the headset paired with another Bluetooth device after your Gateway, it might not recognize Gateway until pair again..

Cannot pair with headset	<p>*Check if both devices are power on and within working distance.</p> <p>*Check headset's user documentation on default passkey or pin code. If it is not 0000, please consult your dealer.</p>
LED Indicator on Gateway does not turn on after all the power connection has been done.	<p>*Ensure to plug in a receptacle that provides corresponding power source in range of AC Adapter input voltage.</p> <p>*Ensure that the AC power adapter has correct leads and is plugged firmly into an electrical wall outlet.</p> <p>*Ensure that the cable coming from the AC power adapter is firmly plugged all the way into the Gateway..</p>
Cracking noise	<p>There is an interfering signal nearby.</p> <p>Or you have exceeded the wireless range, which depends on the headset because Gateway supports up to 60 meter.</p> <p>Or you might adjust the direction of the Antenna to improve the connection quality.</p>