



BlueAnt® Z9 USER GUIDE

Introduction

The BlueAnt Z9 Dual Microphone portable mono headset utilizes Bluetooth Wireless Technology. Its dual microphones combined with the BlueAnt Voice Isolation Technology™ software, provide the BlueAnt Z9 with revolutionary clear and clean voice input enabling high quality voice communications. Winner of the prestigious CES Design and Engineering award, the BlueAnt Z9 is the next generation in Noise Suppression, Echo Cancellation and Wind Noise Reduction for Bluetooth headsets.

There are two settings of Voice Isolation - **STANDARD** and **MAX**.

Voice Isolation Standard is for use in normal environments and gives you a natural sounding voice removing mild noise.

Voice Isolation Max gives you superior voice clarity in a wide variety of high noise areas.



Features of the BlueAnt Z9

- Winner of the CES 2007 Innovations Design & Engineering Award
- Two microphones for pure speech
- Voice Isolation Technology™ BlueAnt's revolutionary Digital Signal Processor (DSP) software
- During a call, users can switch between two Voice Isolation modes – Standard and Max
- This world class DSP provides echo suppression, noise reduction and wind noise reduction which separates the desired voice signal from background noise enabling crystal clear conversation in even the noisiest of environments
- Incorporates 'On-the-Fly' phone switching with up to 3 paired devices
- Automatic connection & reconnection notification
- Different ringtones for known and unknown contacts
- Innovative tie clip for attaching to shirt or cuff, when not in use
- Small & lightweight (1.5" in length & weighs only 0.35 oz) (41mm & 10grams)
- Stylish, translucent ear hook
- Up to 5.5 hrs talk-time or 200 hrs standby
- 2 Year Replacement Warranty
- Bluetooth v2.0

What is Bluetooth wireless technology?

Bluetooth is the most advanced cable-replacement technology available today. It enables effortless wireless connections between your Bluetooth devices within a range of up to 10m (30 ft).

What devices work with the Z9 Dual Microphone?

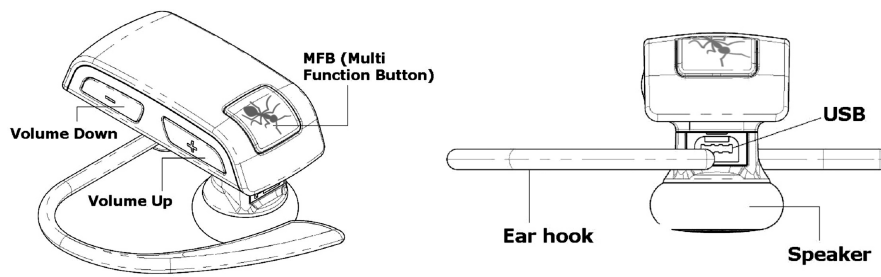
Your headset is a Bluetooth V2.0 qualified product and supports both the Headset and Handsfree Bluetooth profiles. The Z9 can store information and wirelessly interact with up to three different Bluetooth V1.1, V1.2 or V2.0 compliant devices (backward and forward compatible), including mobile phones, PDA's, PC's / Mac's or any Bluetooth enabled device that supports Headset profile or Handsfree profile. **This manual focuses on how to use your headset with your Bluetooth enabled phone.**

What's in the Package?

- > A BlueAnt Z9 Dual Microphone Bluetooth Headset
- > 3 x Translucent Ear hooks
- > USB Cable
- > AC Adaptor
- > Quick Start Guide
- > User Manual
- > Warranty Card



Overview



Getting Started

Before you can use your headset, you must do the following two things:

1. Fully charge your headset using one of the chargers provided.
2. Pair your headset with a Bluetooth enabled device, e.g. Cell phone, PDA, Computer

Charging

Your Z9 comes with a built-in rechargeable battery. For first time use, you must fully charge your Z9. During charging, the indicator shows a steady Red light. When the battery is fully charged, the Red light will turn off. It takes 120-150 minutes to fully charge the battery. The more you talk using your headset, the less standby time your battery has. Your headset will require longer charging times when not used over extended periods of time.



Charging the Z9 with the USB connector

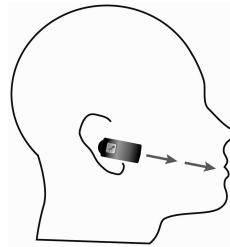
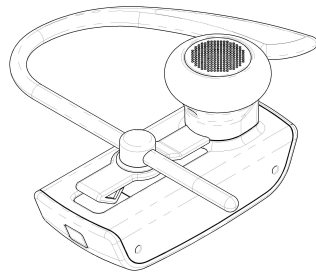
1. Plug the USB charging cable into the PC/Mac's USB port
2. Plug the other end of the USB charging cable into the charging port of your headset.
Make sure the USB plug matches up to the USB socket on the headset. Do not force the plug into the socket, it should slide in easily. The Red LED will turn ON.
3. When charging is complete the Red LED will turn OFF. Remove the charging adapter.

Charging the Z9 with the Wall Charger

1. Plug the AC Charger into a power socket and the cable into the charging port on the Z9.
Make sure the USB plug matches up to the USB socket on the headset. Do not force the plug into the socket it should slide in easily. The Red LED will turn ON.
2. When charging is complete the Red LED will turn OFF. Remove the charging adapter.

Wearing the BlueAnt Z9

Push the ear hook through the ear hook hole which sits on the headset clip and adjust its length to fit comfortably on your ear. Ensure that the headset is pointing towards your mouth. You can wear the Z9 on left or right ears.



For optimal performance of the Z9 headset, angle the headset so that it points towards your mouth.




Pairing


Before use, you must pair the headset with your cell phone. Pairing will create a stored connection in both the Z9 and your Bluetooth cell phone. Pairing need only be done once, when first connecting to a new phone. The Z9 can store pairing information for up to three (3) different Bluetooth devices. If you wish to pair another different device once 3 devices are paired, you will need to RESET the Z9 as per the instructions in Basic Headset Functions below.

Pairing Procedure

This is an example only and may differ from your phone, but the process will be the same.

1. First turn the phone OFF and then back ON again to refresh its memory.
2. Bring the mobile phone to about 30cm from the Z9 Dual Microphone.
3. Find the Bluetooth menu in your mobile phone. Turn Bluetooth ON. (Check your mobile phone user guide if necessary)
4. With the Z9 OFF, Press and Hold the MFB  for about 6 seconds. The LED will appear a solid Blue, and then will start flashing. The Z9 is now in Pairing mode and ready to be found in searches by other Bluetooth devices. Pairing mode will be active for 2 minutes.




Pairing Procedure (continued)

5. Perform a Bluetooth device discovery on your mobile phone to add a new device. (It takes a few seconds to search for and find other Bluetooth devices around you).
6. When Bluetooth devices are found, the phone will display "BlueAnt Z9". Scroll to it and press OK to confirm that you want to Pair with it.
7. Enter Passkey "0000" when your phone prompts you. The phone and Z9 will now Pair.
8. An additional security setting in your phone may be needed to allow the headset and phone to connect automatically without confirmation each time you connect your Z9. Generally in the options for the BlueAnt Z9, it will be referred to as "set as authorized", "add to trusted devices", "allow connection" or similar.
9. If required for first time connection, select the BlueAnt Z9 to connect with your phone. OR, Press the MFB  on the Z9, to connect with the phone.














Basic Headset Functions

For easy reference, also see the Button/Function Matrix and the Quick Start Guide.








- 1. Power ON:** Press and Hold the MFB  for 3 seconds. The solid Blue LED will light up, and if the battery has ample charge the Blue LED will stay on for up to 5 Seconds. If the battery is low a solid Red LED will be displayed. After powering ON, your headset will automatically connect to your last used phone if it is in operating range. If no phone has yet been Paired, the Z9 will enter into Pairing mode. If no Paired phone is in range, the Z9 will enter Idle mode.
- 2. Power OFF:** Press and Hold the MFB  for 3 seconds. The Red LED flashes three times.
- 3. Enter Pairing Mode:** With the Z9 OFF, Press and Hold the MFB  for about 6 seconds until the LED flashes Blue. The Z9 will stay in pairing mode for 2 minutes then will go into idle mode. To re-enter pairing mode, repeat this step.
- 4. Make a Call:** Dial the number using your phone as normal. Audio will automatically transfer to the headset.

Basic Headset Functions (continued)

5. **To Answer or End a call:** Click the MFB  once when there is an incoming call. Press and Hold the MFB  for 3 seconds to end the call.
6. **Reject*: a call:** Press and Hold the MFB  for 3 seconds when there is an incoming call.
7. **Redial*:** the last call, Press and Hold the Volume  Button for about 3 seconds. To cancel Redial, click the MFB .
8. **Activate Voice Dialing*:** While connected to a phone, Press the MFB  once. Voice commands must have been previously recorded into your phone (see your phones user guide). To cancel Voice Dialing, click the MFB .
9. **Volume level:** Click Volume  or Volume  during a call to adjust the desired level.
10. **Disconnect / Transfer:** To disconnect the Z9 with the currently connect phone or transfer an ongoing call back to the phone, Click Volume  and Volume  together once.



Basic Headset Functions (continued)

11. **Reconnect:** To reconnect your phone to the Z9, simply turn the Z9 ON. Or with the Z9 ON simply press the MFB . Alternatively, you can use the menu of your Bluetooth phone.
12. **Mute/Unmute:** the microphone. Press and Hold Volume  for 3 seconds during a call.
13. **Call Waiting*:** While on a call and another incoming call appears, (beep tones dependent on your network) Click Volume  and Volume  together for 3 seconds. The current call will be placed on Hold and the incoming call will be answered. To return to the held call, Click Volume  and Volume  together again for 3 seconds.
14. **Call Conference*:** To add a held call to the current conversation, Press and Hold Volume  for 3 seconds

Basic Headset Functions (continued)

15. **Disable/Enable the LED indicators:** (for night time driving): When your headset is in idle or standby mode Click Volume \oplus and Volume \ominus together for 3 seconds. After turning the headset OFF and back ON, the LED Indicators will be active again by default. Note the LED's are turned OFF while a call is active.

16. **Z9 Reset:** If you have already Paired 3 devices to the Z9 it is not possible to pair another as the memory is full. If you want to pair with another phone you must reset the headset. To reset the Z9 to factory settings, while in idle mode (not connected to any device), Click Volume \oplus , Volume \ominus and MFB \square together (3 buttons). The Z9 will refresh its memory, delete all current pairing information and automatically go into Pairing mode (LED will flash Blue) ready to pair with a new device.

* To use these functions, your phone/device must support the Bluetooth Handsfree Profile. The Bluetooth Headset profile will not activate these features of the BlueAnt Z9.




BlueAnt Voice Isolation Technology™

You can switch between two settings of Voice Isolation - **STANDARD** and **MAX**.

Voice Isolation Standard - For use in normal everyday environments and gives you a natural sounding voice while removing mild noise.

Voice Isolation Max - Gives you more intelligible voice in a wide variety of high noise environments.

HOW DO I SWITCH?

To switch between Standard and Max: Click the MFB  while on a call

- When switching between Standard and Max you will hear a confirmation voice tag played from the Z9 speaker.
- When you first turn the headset ON, it will be in the Standard setting.
- After switching the headset OFF and back ON, the headset will return to the Standard setting by default.
- Standard and Max both use the same amount of battery power.























Button Function Matrix

Note:

Standby Mode
means connected to a device but not on a call.

Idle Mode
means the Z9 is ON but not connected to any device

Multiple
button presses mean click together

Z9 Function	Button	Time	Status
Power ON	MFB 	3 Seconds	From OFF
Power OFF	MFB 	3 Seconds	From ON
Enter Pairing Mode	MFB 	6 Seconds	From OFF
Connect to Device 1	MFB 	One Click	Idle
Connect to Device 2	MFB 	Two Clicks	Idle
Connect to Device 3	MFB 	Three Clicks	Idle
Answer Call	MFB 	Click	Ringing
End Call	MFB 	3 Seconds	Active Call
Reject Call	MFB 	3 Seconds	Ringing
Redial Last Number	Vol 	3 Seconds	Standby
Voice Dial Activate	MFB 	Click	Standby
Transfer/Disconnect Z9		Click	Connected
Call Conference	Vol 	3 Seconds	Active Call
Call Waiting		3 Seconds	Active Call
Volume Up	Vol 	Click	Active Call
Volume Down	Vol 	Click	Active Call
Mute	Vol 	3 Seconds	Active Call
Turn LED's OFF/ON		3 Seconds	Idle/Standby
Switch Voice Isolation between Standard and Max	MFB 	Click	Active Call
Reset Device	MFB  &  & 	Click	Idle

LED Indicator Chart

Power ON	Solid Blue for 5 Seconds
Power OFF	Red flash 3 times
Pairing Mode	Blue flashing
Reset	Blue flashing
Charging	Solid Red
Charging with Power ON	Solid Red with a Purple Flash
Charging Complete	Red indicator OFF
Low Battery	All LED's change to Red
Idle	Blue flash every 8 seconds
Standby	2 Blue flashes every 5 seconds
Ongoing call	NO LED's

Advanced Headset Functions

Using your headset with multiple Bluetooth devices




The Z9 will connect to only one device at a time but 3 devices can be paired to it.

1. Make sure the last phone used has Bluetooth switched off or is out of range.
2. Follow the procedure in 'Pairing Procedure' above for each device you want to pair.

On-the-Fly Phone Switching

After pairing a 2nd or 3rd mobile, Smartphone, PDA or computer as per the pairing procedure, you can switch between the devices using the following procedure.

Selecting the required mobile phone

1. Disconnect from the currently connected phone: Click  and  together
2. Connect to any of the three paired devices on request by clicking the MFB 

Once for the first paired phone

Twice for the second paired phone

Three times for the third paired phone

Note: Be sure to remember in what order the 3 devices have been paired.



Firmware upgrade

The BlueAnt Z9 is firmware upgradeable via the USB port and provided USB cable. Please see the support section at www.blueantwireless.com for information and downloads for any upgrades that are available.

Further Information

Setting up a Phone Profile (different to Bluetooth Profiles)

In your phone, set up a Profile with appropriate ringing volumes and keypad tones and select and activate when using with the Z9. Some phones can automatically activate a desired profile when connecting to a Car Kit or Headset Accessory. E.g. Go to Enhancement Settings and select a Default Profile to activate when the headset connects. With some phones you can also personalize levels to make suitable for yourself (see your phone's user manual for instructions on using and activating Phone Profiles). Typical phone Profiles are *General, Outdoor, Meeting, Silent, Handsfree, Headset, Portable handsfree and Carkit*.

Phone/PDA/Computer Software

Please make sure you have the latest firmware upgrade for your Phone especially if you are using a PDA Phone. Go to the support section of the manufacturers' website to check that you have the latest version. Many new mobile phones, PDA's and computer phones require a Bluetooth patch to improve Bluetooth functionality from the original released version.

Resetting Your Phone/PDA

Phones and PDA's can become prone to software and memory issues which may cause Bluetooth reconnection problems. This can be fixed simply by turning the phone OFF and back ON again. The phone will be reset and the working memory cleared. Resetting your phone weekly can help maintain it's functionality including Bluetooth.

Troubleshooting and Support Documents

See the support section of www.blueantwireless.com for troubleshooting and Frequently Asked Questions (FAQ) as well as info on using with computers for VOIP applications.



Specifications

General Specification	<ul style="list-style-type: none">● Bluetooth v2.0● Up to 10 meters RF coverage● CE,FCC,BQB, RoHS / WEEE Compliant● Headset Profile, Hands-Free profile v1.0
RF Spec.	<ul style="list-style-type: none">● Carrier Frequency 2.402 ~ 2.480GHz● < 0.1% BER at -80 dBm● 0 ± 4 dBm (Class 2)
User Interface	<ul style="list-style-type: none">● Blue color LED for operation indication.● Red color LED for low battery indication.● Mini USB for Charging battery or F/W upgrade
Audio	3GPP with DSP solution
Battery type	3.7V Lithium Polymer battery
Talk Time	Up to 5.5 Hours
Stand-By time	200hrs.
Weight	0.35 oz / 10 grams without ear hook or 11 grams with ear-hook
Dimensions	1.61 x 0.69 x 0.44 (inches) / 41 x 17.5 x 11.2 (mm)

Help

BlueAnt Warranty Process

1. Should you be having difficulties in operation please refer to the online FAQ and support documents, or call us. Our number is on the back page of this manual
2. Check our website for more information, updated manuals and troubleshooting.
www.blueantwireless.com
3. Call us and speak to one of the BlueAnt Wireless Customer Service Team
We will clarify whether you have a hardware or connection issue.
4. If your unit is confirmed to be faulty, a Return Merchandise Authorization (RMA) will be issued .
5. Return the unit directly to BlueAnt for testing and replacement of faulty items

Warranty Terms and Conditions

1. BlueAnt Warrant the original purchaser of this product only.
2. BlueAnt will replace or repair any faulty product provided it has not been misused or abused in any way.
3. There are no user serviceable parts inside this product. Using a non-authorized repairer will void the warranty.
4. The Warranty is valid for 2 years (24 months) from the date of purchase.
 - Proof of purchase must be provided to obtain warranty service.



- Headset must be in original packaging with serial number for warranty to be valid.
5. Warranties are effective from the proof of purchase date and not from the date of any subsequent repair or replacement.

Disclaimers:

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Please protect your ears.

Warning: This headset can reach a maximum volume of 103 decibels. Prolonged use of a headset at high volumes may affect your hearing capacity. Using for extensive time periods may result in noise induced hearing loss (NIHL). Hearing loss may occur if the headset is used at maximum volumes for more than 5 minutes per day. Hearing loss may occur if the headset is used at medium volumes if used for more than 1 hour per day. Exposure to sound at such a close range may result in hearing loss, even at low levels.

Correct Disposal of This Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.



This equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC



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.

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.

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.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

