



Artone Communication Solutions

**Artone
Bluetooth® Loopset**

www.artonecs.com

Bluetooth Loopset User Guide

Item no: ARTONE U&I -03

There are a few easy steps you should follow to enable comfortable and easy communication with your **Bluetooth Loopset**.

First, the **Bluetooth Loopset** must be charged. The initial charge takes about three hours.

The second step is *pairing* your **Bluetooth Loopset** with your Bluetooth compatible phone.

*Review your phone's user manual for instructions regarding new device add/search.

The third step is learning your **Bluetooth Loopset** functions and button usage.

Note: In order to use the **Bluetooth Loopset**, please make sure that your hearing aid (or inductive receiver) is set to the t-coil (T or MT) mode.

*Please refer to the hearing aid user manual.

Once the Bluetooth Loopset is paired with the phone and the hearing aid is set to t-coil mode, you can put the Bluetooth Loopset around your neck, **increase the volume** and start using the device.

Artone Bluetooth Loopset

User Guide

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Artone Bluetooth Loopset - Introduction

Hearing aid users have difficulty communicating using a mobile phone for several reasons. The main obstacle is the acoustic interference that is created when the mobile phone handset is brought close to the hearing aid.

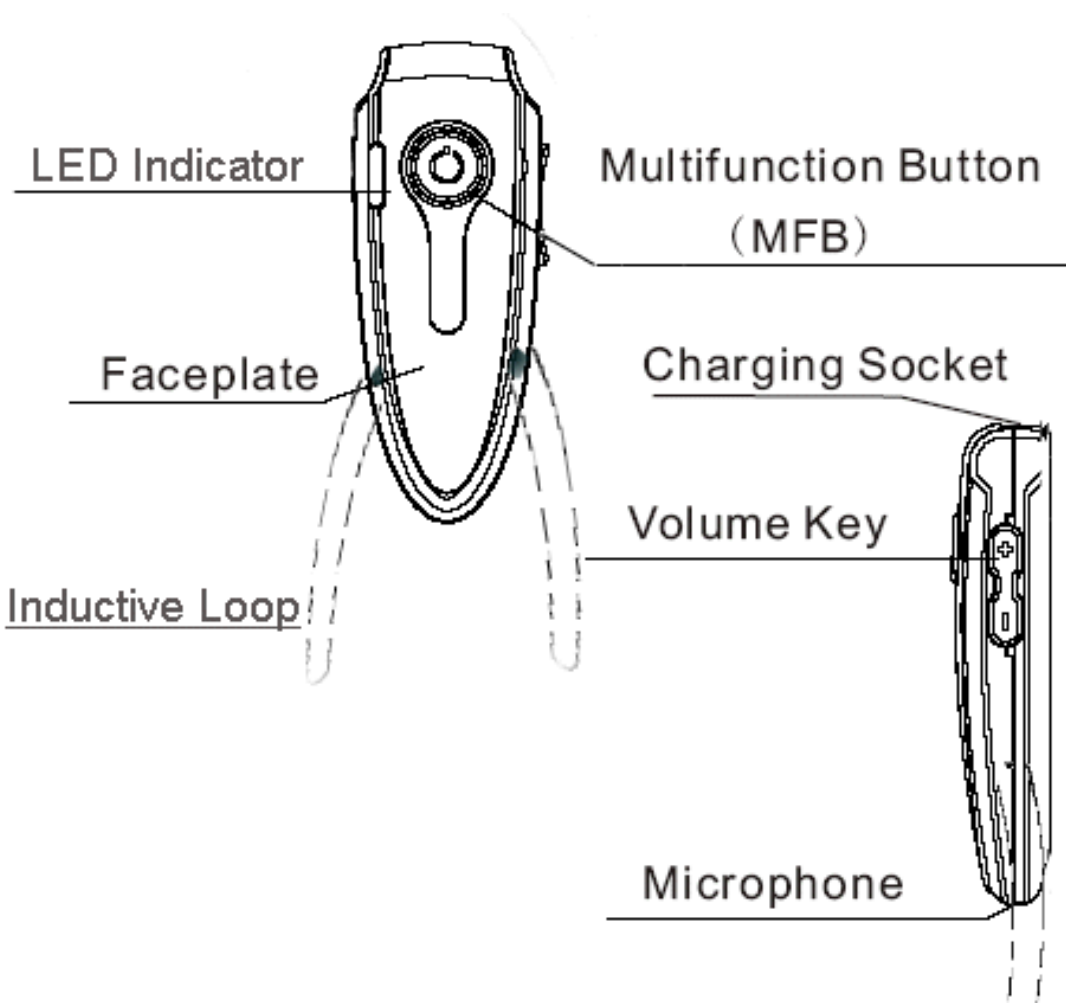
The Artone Bluetooth Loopset enables hearing aid users to avoid such interference by removing the phone to “safe” distance from the hearing aid. In a time of a call, the signal from the mobile phone is wirelessly sent to the Bluetooth Loopset, processed, cleared, amplified and then it is sent to the user’s hearing aid. The hearing aid processes the signal once again and adjusts it to the user’s personal level.

While speaking, the signal is captured by the Loopset’s microphone, processed and cleared (the unnecessary background noises are cut). Then the signal is amplified and sent to the user’s handset. This enables both parties of the conversation to hear and understand each other without any problems. The whole process is totally wireless and hands-free.

The current version of the Artone Bluetooth Loopset supports the following profiles: 2.0 +EDR: hands free and headset with prior Bluetooth technology V1.0 & V1.2.

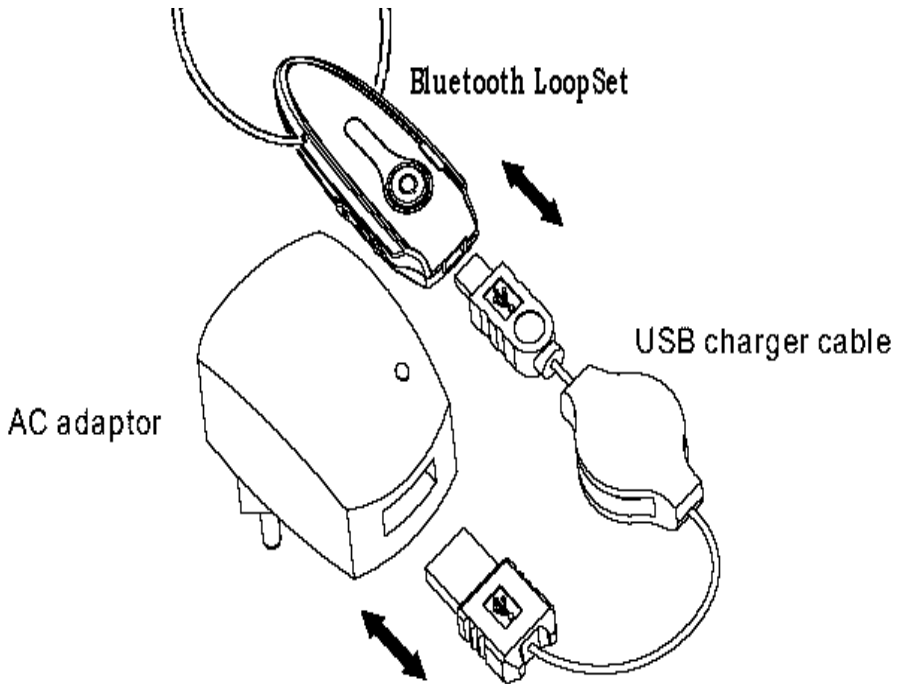
Note – While using the Bluetooth Loopset the user should not hear his/her own voice. In case there is a need to hear own voice, switch the hearing aid to MT mode.

Unit Description



Charging Bluetooth Loopset

1. Connect the USB connection cord to the AC adapter socket. Connect the second end of the connection cord to the **Bluetooth Loopset**. Plug the AC adapter to the wall AC socket (main outlet).
2. When charging, **LED** glows in red color. The LED will turn blue once the battery is fully charged.
3. Standard charging time is about three hours.



Battery and Charging Note

When battery is running out of power the Loopset **beeps and the red LED flashes every two seconds**. If the unit beeps it indicates that the battery is low and needs recharging.

When charging the **Bluetooth Loopset** while it is on, the unit can automatically turn off. The Bluetooth Loopset can be turned on again for usage while charging.

Use only chargers approved by the manufacturer with this particular product. Any use of other types of chargers may be dangerous and will invalidate the warranty.

The product has an internal non-removable rechargeable battery. Do not attempt to remove the battery from the device as it may cause damage.

To make sure the battery is fully charged, please keep charging the **Bluetooth Loopset** for 30 minutes after the red LED indicator has turned off. (If the device was not in use for a long time the charging LED indicator may not turn on red immediately).

Note – The standby and talking time depends on the environmental conditions and the type of mobile phone (or other Bluetooth transmitters).

Note – Do not pull the charging cord when disconnecting it, as it may cause damage to the cable. When disconnecting, please grab the connector.

Turn ON/OFF Bluetooth Loopset

1. To turn the **Bluetooth Loopset** ON, please press the Multifunctional Button (MFB) for about three seconds until the **Bluetooth Loopset** beeps and the blue LED indicator starts flashing.
(at the first use this will initiate the automatic pairing process).
2. The Blue LED indicator will flash once every two-five seconds after it is turned on (before pairing).
3. To turn OFF please press the MFB for five seconds until the **Bluetooth Loopset** beeps and red LED flashes four times.

Pairing Bluetooth Loopset

Note - You must pair your **Bluetooth Loopset** with the phone before making a call.

“Pairing” creates a link between the devices using Bluetooth wireless technology and allows the phone to remember the Loopset’s unique ID. When your Loopset and the phone are paired, your Loopset automatically connects to your phone.

Put the **Bluetooth Loopset** and the phone close together (within 1 meter/3 feet).

1. Turn the Loopset ON – Press the MFB button until LED starts flashing blue/red color. This will initiate the pairing process automatically.
(If the **Bluetooth Loopset** is paired with another device, you should “cut” the current connection, then it can be paired).

2. Perform a device discovery/search from the phone.
 - For details on device discovery for your phone, refer to the phone's user manual.
 - When the scan is completed, the phone displays: “**device found.**”
3. Select “Artone” from the found devices list and confirm following the screen prompts. (Follow the phone's screen instructions).
4. When instructed by the phone, enter the passkey **0000** and confirm to pair the **Bluetooth Loopset** with the phone. (The device ID is now stored in the phone's memory.)

Pairing is successful when Loopset indicator flashes blue color rapidly.

Note - Bluetooth Loopset needs to be paired with the phone only once. Afterwards, the **Bluetooth Loopset** is stored in phone's memory and can be viewed in the phone's paired devices list.

(!)Notice: If the link abnormally disconnects (for example, out of range or phone power off), the Loopset tries to reestablish the link. If the phone disconnects for over 20 minutes, the Loopset will turn off automatically.

In order to reestablish connection, just turn the **Bluetooth Loopset ON**. (Press MFB once if the connection wasn't automatically reestablished.)

Disconnecting the Bluetooth Loopset

To disconnect the paired **Bluetooth Loopset** from your phone (for example in order to connect another Bluetooth device), turn the Loopset off or disconnect the Loopset from the Bluetooth menu of your phone. You do not need to delete the paired **Bluetooth Loopset** from your phone in order to disconnect it.

Function Statement

When the Bluetooth Loopset and the phone are paired:

1. Adjusting **Bluetooth Loopset** Volume:

To increase output volume, repeatedly press “+” button until you reach the desired volume level.

There are 10 volume levels, each level is confirmed by one “beep”. When maximum level is reached the unit confirms with two “beeps”.

- For best volume performance please set your mobile phone to the highest volume level. (Please refer to instructions in your phone manual). You can also use volume control on your hearing aid.

To decrease output volume, repeatedly press “-” button until you reach the desired volume level.

Answering a call: In case of incoming call, press the MFB button to answer the call (if your phone is set to automatic answer, the Loopset will answer the call after one ring).

Ending a call: Press the MFB button to end the call.

Making a call: If your phone supports **redialing** function, please press the volume “+” key on the **Bluetooth Loopset** for three seconds, until it beeps, then release the “+” key. If your phone supports **voice dialing** function, press the Volume “-” (or shortly press MFB depends on version) key until the unit beeps, then release the “-” key and operate as described in the user manual for your phone.

To mute/unmute microphone - press MFB and Volume “-” buttons simultaneously until the Loopset beeps. To reactivate microphone repeat the operation.

Rejecting a call: Long press the MFB button until you hear a beep, then release the button to reject the call.

Resetting the Bluetooth Loopset

Bluetooth Loopset should be reset under the following conditions:

- The **Bluetooth Loopset** does not function after being fully charged.
- If any abnormality in the **Bluetooth Loopset** operation is noticed .

Plug the charger into the **Bluetooth Loopset** and charge it for a few seconds - this operation will reset the unit.

Product care:

- Do not expose the Loopset to liquid or moist.
- Do not leave the Loopset exposed to direct sunlight or other sources of heat.
- Do not attempt to open the unit, as it will damage the internal electronic circuit.

All negligence from the user towards the product that will damage the product will invalidate the warranty.

Intellectual property:

*Bluetooth is a registered trademark of Bluetooth SIG inc.
Artone™

Artone Communication Solutions™

Artone Bluetooth Loopset™ and design of the Loopset and the know-how used are the intellectual property of Artone Communication Solutions and cannot be used by any other entity without written permission from Artone Communication Solutions management.

Accessibility:

If the script of this manual is too small for you please refer to www.artonecs.com to download electronic version with enlargement option. (The options depend on your document viewer software.)

Specification

Artone Bluetooth Loopset

Manufacturer	Artone Communication Solutions
Main Chip	BlueCore4 – Audio ROM
Bluetooth Version	V2.0 + EDR
Frequency	2.4Ghz~ 2.4835GHz ISM Band
Input Power	45mW
RF Out Power	0dBm
Data transfer rate	2Mbps ~ 3Mbps
Bluetooth Loopset	0000
Operation Range	Up to 10 Meters (30 feet)
Supply Current	5mA ~ 20 mA
Battery	3.6V Rechargeable Li – polymer
Voltage	DC 5.0V ~ 6.5V
Operating Temp.	-10C ~+ 45C
Dimension(mm)	L58 X W23 X H12
Weight	12grms
Charging time	3 hours 15 minutes
Talking time	Up to 15 hours
Standby time	10 days

LED	Status	Note
Blue	Flashes 4 times (red LED flashes 2 times).	Turning on mode.
	Flashes 1 time every 2 seconds.	Standby mode before pairing.
	Flashes 1 time every 10 seconds.	Standby after successful pairing.
	Flashes 4 times every 8 seconds.	Data transferring mode or on a call.
Red	Flashes 4 times rapidly.	Turning off mode.
	LED light on.	Charging status.
	Flashing (not in charging status).	Indicating low battery.
Red & Blue	Flashing in turn rapidly.	Pairing mode (lasts for about 3 minutes).
	All LED indicators off.	Finishing charging or charging the Loopset which ran out of battery power.

Operation Statement

Time intervals and LED indication can slightly vary according to battery state

Operation	Methods	Status
Turning on	Long press MFB key for 2-4 seconds.	The blue LED flashes 4 times and red LED flashes 2 times and hear a beep.
Turning off	Long press MFB key for 5 seconds.	Red LED flashes 4 times and hear a beep.
Pairing	Long press MFB key for 2-4 seconds in the initial use.	Red and Blue LED flash in turn.
Answering a call	Press MFB key.	Communication possible after hearing a signal and both red and blue LED flash one time each.

Operation Statement

Time intervals and LED indication can slightly vary according to battery state

Operation	Methods	Status
Increasing the volume	Press volume “+” key	The Loopset beeps and both red and blue LED flash one time each – total 10 volume levels available.
Decreasing the Volume	Press volume “-” key	The Loopset beeps and both red and blue LED flash one time each – total 10 volume levels available.
Ending a call	Press MFB key	The Loopset beeps and both red and blue LED flash one time each.
Redialing	Press volume “+” key for 3 seconds	Redials the last number you called after hearing a beep.

Warning:

Do not use near machinery as the loop may get caught up in the moving parts. Please express extra caution while using the Loopset not to get caught on anything as it may cause injury.

Do not use the Loopset if you use a pacemaker or any other device that may be sensitive to magnetic/inductive fields.

*Parts of the Artone **Bluetooth Loopset** may be magnetic, please do not place it near credit cards or magnetic storage media as the information may be erased.

*Express extra caution while driving, and obey your state/county laws regarding usage of mobile phone while driving.

Keep away from children.

Warranty

Artone, as defined below, warrants this Artone-branded product against defects in materials and workmanship under normal use for a period of one year from the date of retail purchase by the original end-user purchaser ("Warranty Period"). If a product defect arises and a valid claim is received within the Warranty Period, at its consideration, Artone will either exchange the product with a new one or if possible repair the product.

The warranty does not cover abuse, deliberate damage, negligent use, and any damage caused exceeding the lines of "normal" product use. All claims must be presented with the invoice of purchase and this document with a stamp of the manufacturer.

Warranty Limitations

Artone limited warranty provides that, subject to the following limitations, each Product will be free from defects in material and workmanship and will conform to Artone specification for the particular Product.

**LIMITATION OF REMEDIES
YOUR EXCLUSIVE REMEDY FOR ANY DEFECTIVE
PRODUCT IS LIMITED TO THE REPAIR OR
REPLACEMENT OF THE DEFECTIVE PRODUCT.**

Artone may elect which remedy or combination of remedies to provide in its sole discretion. Artone shall have a reasonable time after determining that a defective Product exists to repair or replace a defective Product. Artone's replacement Product under its limited warranty will be manufactured from new and/or serviceable used parts. Artone's warranty applies to repaired or replaced Products for the balance of the applicable period of the original warranty.

**LIMITATION OF DAMAGES
ARTONE'S ENTIRE LIABILITY FOR ANY DEFECTIVE
PRODUCT SHALL IN NO EVENT EXCEED THE
PURCHASE PRICE FOR THE DEFECTIVE PRODUCT.
THIS LIMITATION APPLIES EVEN IF ARTONE CANNOT
OR DOES NOT REPAIR OR REPLACE ANY DEFECTIVE
PRODUCT AND YOUR EXCLUSIVE REMEDY FAILS OF
ITS ESSENTIAL PURPOSE.**

NO CONSEQUENTIAL OR OTHER DAMAGES NOTWITHSTANDING ANYTHING ELSE IN THIS POLICY OR OTHERWISE, ARTONE WILL NOT BE LIABLE WITH RESPECT TO THE PRODUCTS UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL OR EQUITABLE THEORY (I) FOR ANY AMOUNT IN EXCESS OF THE PURCHASE PRICE FOR THE DEFECTIVE PRODUCT OR (II) FOR ANY GENERAL, CONSEQUENTIAL, PUNITIVE, INCIDENTAL OR SPECIAL DAMAGES. THESE INCLUDE LOSS OF PROFITS , THE INSTALLATION OF REPLACEMENT PRODUCTS, AND ANY INSPECTION, TESTING, ANY DEFECT OR BY THE REPAIR OR REPLACEMENT OF PRODUCTS ARISING FROM A DEFECT IN ANY PRODUCT.

THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE FACE OF THE ARTONE LIMITED WARRANTY.

ARTONE DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, REGARDING THE PRODUCTS, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT.

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