BluPAL
Bluetooth Personal Audio Link
User Manual

Contents:

Introduction

BluPAL - your Bluetooth Personal Audio Link - brings you closer to the sounds you want to hear.

In microphone mode, your BluPAL brings you closer to people – in conversation in a noisy environment, in a meeting at a conference table, or in a crowded lecture hall.

In Auxiliary Input mode, BluPAL brings you closer to your electronics – your TV, your iPod™, or even your computer can all stream wireless audio straight to your headset.

Information to User

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.

Contents of Package
- BluPAL Module
- Base
- AC/DC Power Converter
- Outlet Adapters for USA, EU, UK, and Australia
- 3.5 mm stereo input cable
- RCA to 3.5 mm adapter cable
- Lanyard
- User Manual and Quick Start Guide

Base

AC/DC Power Converter

RCA to 3.5 mm adapter cable

AC Outlet Adapters

3.5 mm stereo input cable

Main Features

Directional Microphone

LED

Omni Microphone

Volume Up (+)

Three-way Input Selector

Master Control

Volume Down (-)

Bluetooth

Adjustable Tilt Cradle

Bluetooth

Audio / Power

Audio / Power

Base Power Input

Base Audio Input

Operation

Charging the Battery:

BluPAL uses a rechargeable lithium-ion polymer battery. Unlike earlier rechargeable batteries, its performance and operating time are not compromised by partial charging or discharging. BluPAL will charge completely in two hours, and a full charge will provide up to five hours of streaming audio

To charge BluPAL in the base:

- Plug the AC/DC Converter into an AC power outlet and into the power input in the base.
- Insert BluPAL into the Adjustable Tilt Cradle.

To charge BluPAL without the base:

- Plug the AC/DC Converter into an AC power outlet and into the power input in BluPAL.

When BluPAL is charging, the LED will glow steadily red.
When BluPAL is fully charged the red LED will go off.

To turn BluPAL on and off:

- To turn on, press and hold the Master Control for 3 seconds; the LED will flash green 3 times.
- To turn off, press and hold the Master Control for 3 seconds; the LED will flash red 3 times.

Switching Profiles

BluPAL is designed to work with standard Bluetooth headsets and stereo headphones. These devices use different Bluetooth profiles: "Headset" and "Advanced Audio". To switch between profiles:

- Turn BluPAL on.
- Press and hold both volume up (+) and volume down (-) for three seconds.
- The red LED will flash twice.
- When in Headset mode, the green LED will flash periodically.
- When in Advanced Audio mode, the green LED will be on most of the time, and periodically will blink off.

Pairing and Connecting to a Bluetooth Headset or Handsfree device:

Bluetooth devices must be both **Paired** and **Connected:**
Pairing establishes a secure link between two Bluetooth devices.
Connecting creates an audio or control connection between two Bluetooth devices.

To Pair BluPAL to ELI or SoundPort:
- Make sure BluPAL is using the Headset profile (see Switching Profiles).
- Turn both devices off.
- Put ELI into pairing mode by pressing and holding ELI's Master Control for 7 seconds (or until the LED flashes alternately red and green rapidly).
- Put BluPAL into auto-pairing mode by pressing and holding BluPAL's Master Control for 7 seconds (or until the LED flashes red and green).
- BluPAL will now automatically pair to ELI.

To Connect BluPAL to ELI or SoundPort:
- Make sure the devices are paired (you only need to do this once).
- Turn on both BluPAL and ELI.
- Firmly press the Master Control on BluPAL.
- Listen for the "Ringtone" on ELI.
- Firmly press the Master Control on ELI.

Other Headsets:
BluPAL should work with most Bluetooth headsets and handsfree devices, provided the other device uses the standard "0000" PIN code. Because of the simplified BluPAL auto-connect interface, other PIN codes are not supported).

Pairing and Connecting to BluPAL Headphones:

- Make sure BluPAL is using the Advanced Audio profile (see Switching Profiles).
- Turn both devices off.
- Put the BluPAL Headphones into Pairing mode: Turn on the Headphones while pressing and holding the Headphone Master Control for seven seconds. The Headphone LED will flash red and blue.
    - Put BluPAL into auto-pairing mode by pressing and holding Master Control for 7 seconds (or until the LED flashes red and green).
    - BluPAL will automatically pair and connect to the stereo headphones.

Using with your TV:

BluPAL can bring you TV audio in three different ways.

Use the microphone:
- Select the Omni Microphone
- Set BluPAL in front of your TV.

Use the headphone jack:
BluPAL includes a stereo input cable that plugs directly into most TV headphone jacks.
This will give you excellent sound quality but will turn off your TV's speakers.
- Select the Auxiliary Input.
- Connect the Stereo Input cable to your TV's headphone jack.
- Connect the other end of the cable to BluPAL (or put BluPAL in its base and connect the stereo input cable to the Audio Input on the base).

Use the RCA audio output:
Your BluPAL comes with an RCA adapter cable. Many TVs have an RCA audio output which does not disable your speakers. This gives the BluPAL user excellent sound quality while others can enjoy the same entertainment with separate volume control.
- Select Auxiliary Input.
- Connect the RCA adapter cable to the "Audio Output" RCA jacks on your TV. These are usually located on the back of the TV (and are easily confused with the Audio *Input)*.
- Connect the RCA adapter cable to the Stereo Input cable.
- Connect the stereo input cable directly to BluPAL (or to the base and insert BluPAL in the base).

Using as a Companion Microphone

In Conversation:

Give BluPAL to your spouse and carry on a conversation in a car or restaurant. Your spouse can use the provided lanyard, clip BluPAL to his or her shirt, set BluPAL in the base, or simply hold BluPAL in the most comfortable speaking position. A conversation in a tough environment is comfortable again.

In a Meeting:

Put BluPAL in its base, turn on the omni microphone and put it in the middle of the table to hear every word.

In a Lecture Hall:

Put BluPAL in its base and set it on the podium with the directional microphone on – it will sound like the speaker is speaking directly to you.

Specifications

Dimensions	21.5(W) x 68(L) x 12.8(T)
Talk Time	5 hours
Standby	175 hours
Recharge Time	2 hours
Range	33 feet
Battery	rechargeable lithium-ion polymer
Bluetooth Profiles	Headset (HS), Handsfree (HF), and Advanced Audio Distribution Profile (A2DP)

Regulatory

FCC ID: SE4BP100

CE 1177

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following 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.
Caution: Changes or modifications not expressly approved
by the party responsible for compliance could
void the user's authority to operate this device.

The BluPAL product is
in compliance with the essential
requirements and other relevant
provisions of Directives 1999/5/
EC and 93/42/EEC.

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For current product and
warranty information, please visit:
www.elihearing.com

Attention Pacemaker/Defibrillator Wearers:
Electronic devices have the potential to interfere with the
operation of cardiac rhythm devices, such as pacemakers and
defibrillators, and other active implantable medical devices.
Consult with your physician before use of this product on your person
if you are wearing any such device. Physicians should call
1.800.328.8602 and ask for the Regulatory Department.