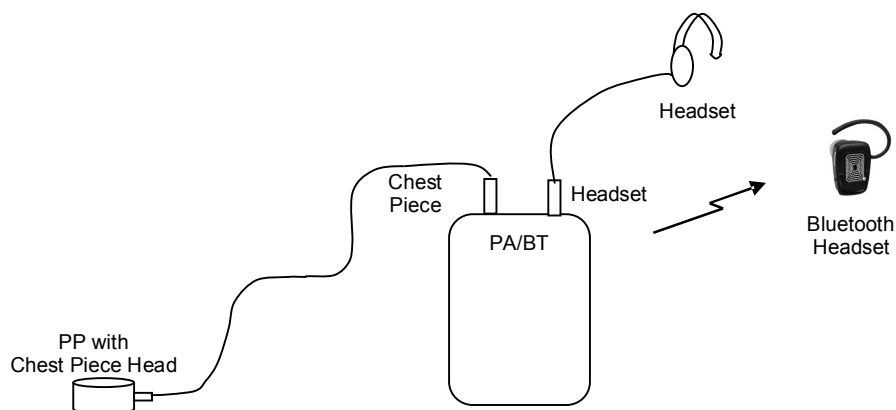


PA/BT Electronic Stethoscope Operation

1. Introduction

The Precordial Pickup (PP) with chest piece head and the Bluetooth Piezo Precordial Amplifier (PA/BT) comprise an electronic stethoscope to provide amplified auscultation sounds to a Bluetooth headset or to a set of headphones.



2. Operation with Headset

Plug a PP with chest piece head into the **Chest Piece** jack of the PA/BT and plug a headset into the **Headset** jack. The PA/BT detects the presence of the PP and automatically turns ON. The PA/BT amplifies the auscultation signal and presents it to the headset. When finished using the PA/BT, unplug the PP to turn it Off.

3. Operation with Bluetooth Headset

Plug the PP into the **Chest Piece** jack of the PA/BT. The PA/BT detects the presence of the Chest Piece and automatically turns ON. Before operating with a Bluetooth headset, the PA/BT must be *paired* with that Bluetooth headset. The PA/BT can only be paired with one Bluetooth headset at a time.

To *pair* with a new Bluetooth headset, the previous pairing in the PA/BT is first deleted by depressing the Reset button accessed through the small hole in the front panel of the PA/BT. This will cause the green light on the front panel of the PA/BT to blink rapidly.

While the green light on the PA/BT is blinking rapidly, put the Bluetooth headset in *pairing* mode following the directions provided with the Bluetooth headset. (For the THT-39 Bluetooth headset, this is accomplished by starting with the headset Off, then holding the button on the front of the unit down for about 8 seconds until the blue light stays On. For the THT stereo Bluetooth headset, this is accomplished by starting with the headset Off, then holding the Power/Connect button on the right ear piece down for about 5 seconds until the blue and red lights alternately flash.)

Once *pairing* is completed, the green light on the PA/BT will blink slowly. Following the instructions provided with the Bluetooth headset, establish a Bluetooth audio connection with the PA/BT. (For THT-39 Bluetooth headset, this may be done automatically, but if not, press and release the button on the front of the unit. For the THT stereo Bluetooth headset, this is accomplished by pressing and releasing the Power/Connect button.) Once connecting and transmitting, the green light on the PA/BT will stay steadily On.

Once a Bluetooth audio connection is established, it is possible to break that audio connection while maintaining the background Bluetooth connection. For the THT-39 and stereo Bluetooth headsets, is done by pressing the Connect button on the Bluetooth headset. When the audio connection is broken in this state, the green light on the PA/BT

will blink slowly with a double flash. Re-establishing the audio connection from the Bluetooth headset causes the green light on the PA/BT to light steadily again.

When finished using the PA/BT, unplug the PP to turn it Off and turn the Bluetooth headset Off following the directions provided with the Bluetooth headset. (For the THT-39 Bluetooth headset, this is done by holding the main button until the red light flashes. For the THT stereo Bluetooth headset, this is done by holding the Connect button down until the red and blue lights flash.)

4. Auscultation

Whether through the cabled headset or through the Bluetooth headset, an auscultation exam may be conducted by placing the chest piece at the points of interest and listening via the headset. While holding the chest piece during an auscultation exam, minimize finger movement to avoid finger noise.

When using a Bluetooth headset, don't set the gain set too high to avoid distortion due to overdriving the Bluetooth amplifier. Use the Bluetooth headset volume controls to set the volume to a level that allows the auscultation sounds to be clearly heard.

5. Battery Conservation

When not in use, unplug the PP from the PA/BT to conserve the batteries.

6. Battery Replacement

Slide back the battery cover on the backside of the PA/BT to expose the two AAA batteries. Remove the old batteries and put two new AAA batteries in their place being careful to align the polarity of the batteries as shown in the diagram in the battery compartment. Put the battery cover back in place sliding it shut.

7. Cleaning

Clean the PP and chest piece and the PA/BT by wiping them with a moist cloth, alcohol or a sanitizing towelette.

8. Specifications

Frequency Range is 20 Hz – 2,000 Hz.

Two AAA Batteries are used in the PA/BT.

Normal use for this product is at an ambient temperature range of +10° to +40°C, a relative humidity range of 30% to 75%, an atmospheric pressure range of 700 hPa to 1,065 hPa. It may be transported and stored at temperatures from 0°C to 50°C.

Changes or modifications not expressly approved by RNK Products could void the user's authority to operate this equipment.

For questions or comments, contact RNK Products, Inc., 12700 Diamond Drive, Burnsville, MN 55337