BlueTalk – User Guide

Bluetooth to Wireline Communicator

Overview

BlueTalk is a Bluetooth to Wireline Adapter. Similar to a Cell Phone, it has the ability to "pair" and "connect" to Bluetooth Headsets. In addition it provides the interface necessary for bidirectional communications on a vacant telephone line.

BlueTalk can be used at each end of a vacant pair without the need of external talk battery. The incorporated tone sender feature can assist in locating the proper pair at the far end.

When BlueTalk is used in conjunction with a standard headset or Butt Set, a separate isolated talk battery, such as furnished by the CommBat or D105, is required to power the line. To verify the pair is vacant and free of impairments a D105 is recommended.

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BlueTalk Power

BlueTalk contains an internal Li-ion battery capable of providing 18-24 hours operation between charges.

A 6V charger and an RJ-45 cable with popper clips are included in the kit. Located on the top end panel are the charger and RJ-45 jacks. The RJ-45 has two LED indicators to show charge status. When charging voltage is applied the green LED illuminates. The red LED illuminates during charge time, and extinguishes when charging has completed. Typical charge time is approximately 2 hours.

An optional vehicle charger, D105DC615, can be used when AC power is not available.

Power ON/OFF

Press and hold the PWR pushbutton until the power LED is illuminated. Battery condition is continually being evaluated while operation is in progress. If the green LED is illuminated the battery state is near full charge. There are two states of flashing red LED to indicate low battery, momentary off, and momentary on. Momentary on indicates the unit is nearing automatic shutdown.

To turn OFF, press and hold the PWR pushbutton until LED is extinguished.

TONE

The tone feature assists the far end user in locating the proper talk pair. Connect the red and black talk leads to the cable pair. Press the PWR pushbutton momentarily to send metallic tone on the attached cable pair.

In situations where it is difficult to locate the tone, try connecting the Tip and Ring to one lead, and the other lead to cable sheath. Once located, un-short the pair and reconnect talk leads to Tip and Ring.

Momentarily press the PWR pushbutton to stop tone transmission.

NOTE:
> For best success do not attempt to send tone while BlueTalk is attempting to connect to a Bluetooth headset.

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BlueTalk Operation with Bluetooth Headsets

In order for Bluetooth devices to communicate with a headset they must first be "paired", meaning each device knows about the other's existence. After being paired each device must then complete a "connect" handshake to establishing communications.

BlueTalk SCAN/MUTE LED indicates the status of connection with a headset. Flashing RED indicates the unit is searching for a new headset to establish pairing. When flashing BLUE BlueTalk is searching for a once paired headset to connect.

When searching for a new headset BlueTalk issues a call then waits for a headset response. If a response is found the flash will change to blue, if not a momentary red flash will be seen and the search continues.

To initiate a scan for a new headset turn off any previously paired device, then press the SCAN/MUTE button. The LED will begin flashing RED until the new headset has been found. When found the LED begins flashing blue. Press the "Answer" button on the headset to complete the connection. A continuous blue LED indicates the connection has been established.

To Mute incoming and outgoing audio momentarily press the SCAN pushbutton. The LED will be red while muted. Press again to un-mute.

NOTE:
1. **It is recommended to turn off other Bluetooth transmit devices, such as a cell phone or computer, until the headset has been paired to BlueTalk. This step is only necessary during the pairing process.**
2. **The pairing may take up to 12 seconds. In some instances it may be necessary to cycle power on the Headset and/or BlueTalk.**

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Specifications:

Headset

Bluetooth Specification	Version 4.0
Voice Prompts	
Noise Cancelling Microphone	
Operate Distance	10 meters (~30 feet)
Talk Time	up to 6 hours
Standby Time	up to 300 hours
AC/DC Charger	5 volt USB
Charge Time	~1 hour
Weight	18 grams (0.7 ounces)
Battery	Li-ion 3.7V@90mAH
Operate Temperature	0 to 45C (32 to 113F)
Storage Temperature	-20 –> 50C (-4 to 122F)

BlueTalk Transceiver

Operate Distance	12 KFT (recommended max, 600 ohm loop)
Talk Time	24 hours Approx.
AC Charger	6VDC @ 1.5Amps
Charge Time	2.5 hours max
Battery	Li-ion 3.7V@2000mAH
Charge Temperature Range	0 to 45C (32 to 113F)
Discharge Temperature Range	-20 to 60C (-4 to 140F)
Operate Temperature	-20 to 60C (-4 to 140F)
Storage Temperature	-20 to 50C (-4 to 122F)
Unit Weight, Transceiver Kit	680 grams (1.5 pounds)

NOTE:

Temperatures shown are Li-ion manufacturer recommendations. Although unit operation can exceed these ratings, battery life could be affected.