



BluComm® TITAN™ Dual-Muff Headset User Guide



Model: BluComm-TITAN



The Bluetooth word mark and logos are owned by the Bluetooth SIG and used under license by Klein Electronics, Inc.



TITAN™

EXTREME HIGH NOISE

Four Ways to Communicate!

Connect 2-Way Radios via BluComm® Dongles or Adaptors.

-OR-

Connect 2-Way Radios by K-Cord™ Cable.

-OR-

Connect via Bluetooth to Cellphones.

-OR-

Use 3.5mm Listen-Only port for your 2-Way Radios, Smartphones or iPods.

Power / Sync Button →

OPERATING TIME:
7 days Standby
9 hours continuous use



SPECIFICATIONS

<i>Microphone</i>	
ELECTRET	
Frequency	200Hz-4,000Hz
Impedance	680Ω
Sensitivity	(-51dB) ±3dB
SNR	>55dB
Sensitivity Reduction	<3dB
Voltage Range	1-10v
Current Consumption	<0.5mA
<i>Speakers</i>	
Size	φ 40mm dynamic
Impedance	32Ω
Rated Power	60mW - 100mW
Frequency Scope	300Hz-4,000Hz
Distortion	<5% @300-4,000 Hz
Resonance Frequency	800 Hz -free air
<i>Foam Ear Seals</i>	
Diameter inside	2 1/4" H x 1 1/2" W
Diameter outside	4" H x 3" W
Thickness	3/4"
Headstrap Attach Method	Flexible Rubber Dam
Includes Cotton Hygiene Cover	NO
<i>Earshells</i>	
Material:	ABS
Noise Tested:	25dB NRR, 32dB SNR

Incredibly clear audio for mobile phones



Connect to 2-Way Radios using Dongles, Adaptors or Cables



PROFESSIONAL GRADE
High-Noise, Dual-Muff Headset with PTT

Copyright Klein Electronics, Inc 2011
Datasheet # 154

Index

1. Notice Before Using
2. Specifications
3. Product Introduction
4. Charging the Headset
5. Power On/Off
6. Pairing the Headset with a Bluetooth Device
7. Safety Instructions
8. Package Contents List
9. Diagnosing Problems
10. Headset Storage
11. Battery
12. Tech Support

1. Notice Before Using

Thank you for purchasing the BluComm® Bluetooth® Dual-Muff Headset Model # BluComm-TITAN. Please check the contents of this package to verify the items listed in the Package Contents List below have been included in your package. Be sure and read this User Guide before you use the Headset. The BluComm-TITAN has been developed using Bluetooth wireless technology and is capable of connecting with Bluetooth devices designed with Audio Gateway and PDAs. The BluComm-TITAN can also be used as a standalone cable connected headset. Before using the Headset please verify your Bluetooth device complies with Bluetooth V2.1 and supports the Bluetooth Headset or Handsfree profile.

NOTE:

Before using the Headset for the first time, be sure and fully charge the unit at least 4 hours, preferably overnight (8-10 hours).

2. Specifications

<i>Microphone</i>	
ELECTRET	
Frequency	200Hz-4,000Hz
Impedance	680Ω
Sensitivity	(-51dB) ±3dB
SNR	>55dB
Sensitivity Reduction	<3dB
Voltage Range	1-10v
Current Consumption	<0.5mA
<i>Speakers</i>	
Size	φ 40mm dynamic
Impedance	32Ω
Rated Power	60mW - 100mW
Frequency Scope	300Hz-4,000Hz
Distortion	<5% @300-4,000 Hz
Resonance Frequency	800 Hz -free air
<i>Foam Ear Seals</i>	
Diameter inside	2 1/4" H x 1 1/2" W
Diameter outside	4" H x 3" W
Thickness	3/4"
Headstrap Attach Method	Flexible Rubber Dam
Includes Cotton Hygiene Cover	NO
<i>Earshells</i>	
Material:	ABS
Noise Tested:	25dB NRR, 32dB SNR

3. Product Introduction

Sealed Power/Functions (Answering / Ending / On / Off / Pair) Power Button

Sealed Push-to-Talk Button

BLUE LED Bluetooth Indicator Light

RED LED Charging Light

Universal 5-pin cable connector port

Microphone

3.5mm socket for Charging the Unit and Listen only Audio Input.

Adjustable Over the Head Strap



4. Charging the Headset

The BluComm-TITAN comes with a built in Lithium Polymer battery. To charge the unit:

- Plug the AC-to-USB power adaptor into an electrical outlet.
- Plug the USB-to-3.5mm charging cord into the power adaptor.
- Plug the 3.5mm end of the charging cord into the 3.5mm socket on the Headset.
- While charging, the RED LED Indicator Light will turn on. When charging is complete, the red Indicator light will shut off to alert you that the unit is fully charged and ready to use.

NOTE:

- For first time use, make sure to fully charge the Headset at least 4 HOURS, preferably overnight (8-10 hours).
- If Headset has not been used for more than 21 days, when recharging it please charge unit at least 4 hours, preferably overnight (8-10 hours) as the battery will need a full charge and be aware the LED Indicator Light may take several hours to show recharging is complete.

- While charging the unit, please do not use the Headset.
- Please use the original charger included with the Headset to charge/recharge the unit.
- The battery is low and you should recharge the unit as soon as possible when the LED Indicator Light flashes red and there is an audible beep during usage or while on standby.
- Please recharge the Headset in room temperatures of no less than +14°F (-10°C) to +113°F (+45°C).

5. Power On / Off

- a. To TURN THE UNIT ON, PRESS AND HOLD THE Power/Function button for 5 seconds then release. The power will turn on after the BLUE LED Indicator Light flashes.
- b. To turn the unit off, press and hold the Power/Function button for 7 SECONDS UNTIL THE BLUE Indicator Light turns solid.

6. Pairing the Headset with a Bluetooth Device

Before you use the BluComm-TITAN the first time, you must pair the unit with a Bluetooth device i.e. Blu-Comm[®] radio adaptor.

To set up the pairing:

- a. Make sure the Headset is turned off.
- b. Press the Multi Button {PWR} for 10 seconds.
 - The LED will flash 3 times; continue to hold for another 3 seconds
 - Note: The LED flashes rapidly while in pairing mode.
- c. Put the Bluetooth enabled device into pairing mode following the manufacturer's instructions.
 - The BLUE LED will stop the Rapid flashing when the BluComm-TITAN is paired with a device.

NOTE:

If the pairing is not successful the first time, the Headset will return to standby mode. Please repeat the pairing process and refer to the mobile device's manufacturer's instructions for additional information.

- a. While pairing, it is better to keep the distance between the mobile device and the Headset to approximately 3 inches to 1 foot and make sure no metal objects are between them.
- b. While pairing the Headset with other Bluetooth devices, when the device asks for the Passcode, key in "0000"- the Headset passcode. For more details, refer to the mobile device's manufacturer's instructions for additional information.

- c. Should one of the following occur, the paired devices should remain paired:
 - 1. The devices power is turned off.
 - 2. The service or one of the devices is off.
 - 3. One of the devices is re-switched on.

7. Safety Instructions

- a. Read this Headset manual carefully and use the Headset correctly at all times by following the instructions.
- b. THIS IS NOT A TOY. Keep the Headset away from children and avoid children chewing on the Headset or it's components or accidentally swallowing any pieces.
- c. To clean the Headset, wipe it with a soft, dry static-free cleaning cloth.
- d. NEVER use cleaning liquids, solvents, or sprays to clean the Headset.
- e. Do not clean the Headset while charging.
- f. Do not disassemble the Headset. If you encounter any problems, contact the retailer immediately.

HANDLING

- If you encounter a problem, turn the Headset off immediately.
- If the inside component(s) break, please contact the retailer for a repair center and instructions for immediate service and support.

8. Package Contents List

Please inspect this package and refer to the package contents list below to verify all items were included in this package.

Item Name	Quantity
BluComm-TITAN Dual-Muff Headset	1
User Guide	1
AC-to-USB power adaptor	1
INPUT: AC 100-240V, 50/60Hz	
OUTPUT: DC5.1V, 120Ma	
USB to 3.5mm charging cord.....	1
TOTE BAG	1

If you find any items were not included please contact your retailer where you purchased this product.

9. Diagnosing Problems

a. If the Headset LED Indicator Light is flashing red -the battery is low so recharge the unit immediately.

b. If, after recharging for 20 minutes, the Headset does not turn on: For initial use, the power will be on after charging the Headset at least 40 minutes. The manufacturer's recommended initial charging time is no less than 4 hours, preferably overnight (8-10hours).

c. If the Headset does not work after charging: The battery is completely depleted or the Headset has not been used for 21 days, when charging the red Indicator Light will turn off after a few minutes.

d. You hear no sound coming from the Headset:

★ Make sure the Headset is turned on.

★ Make sure the headset has been paired with a Bluetooth enabled device.

★ Make sure the distance between the Headset AND THE PAIRED Bluetooth device is no more than 30 feet.

★ some Bluetooth mobile phones support only one Headset. In this case, if you pair the BluComm-TITAN Headset with the device, the other Bluetooth Headsets may be deactivated. Likewise, if you pair other Bluetooth headsets with this type of mobile device, the BluComm-TITAN Headset may become deactivated.

10. Headset Storage

> Use of accessories other than the manufacturer's originally supplied accessories may cause the Headset to malfunction or fail. In addition, product damage, electrical conflicts with non-manufacturer chargers may occur resulting in the cancellation of the product warranty.

> Do not disassemble the headset for any reason. This may damage the Headset accidentally and void the manufacturer's warranty.

> Please store the Headset away from dust, heat and areas where it might accidentally fall or other damage may occur.

> Use a clean, soft static-free cloth to clean the Headset's surfaces.

> Do not let children play with the Headset as it may cause damage to the unit and avoid any danger to young children.

> Avoid storing the Headset and chargers in extreme temperatures.

11. Battery

1. New battery: For first time use, charge the battery at least 4 hours, preferably overnight (8-10 hours).
2. Only manufacturer authorized personnel can perform battery replacement.
3. Under normal usage, the built in battery should be viable for up to 24 months or longer depending on usage.
4. The battery must be recharged in room temperatures of no less than +14° F (-10°C) to + 113° F (+45°C) to remain under warranty and to maximize the life of the battery.
5. Using the Headset in normal room temperatures enables the battery to maximize its life.
6. When used in colder weather, the Headset's battery life may decrease.
7. Recharge the Headset at least every two months whether it is used or not.

12. Tech Support

Call: 800.959.2899 x26

Int'l: 760.781.3220 x26