

BBEAT BASIC ELECTRONIC STETHOSCOPE



13485:2016

BBEAT Electronic Stethoscope




Thank you for choosing the BBEAT Basic Electronic Stethoscope. We're proud of the care and quality that goes into the manufacture of every item that bears our name. Only the finest materials are used to assure you of a timeless instrument designed for optimum performance.

You'll quickly appreciate the results, for you now own one of the finest electronic stethoscopes that money can buy. With proper care and maintenance, your BBeat is sure to provide you with many years of dependable service. Please read the following instructions and general information which will prove helpful in allowing you to enjoy your DF product.

Device Description and Intended Use

The BBeat Basic Electronic Stethoscope is intended for medical diagnostic purposes only. It can be used for the amplification of heart and lung sounds. On/Off button and volume buttons enable operator control. The device can be used on patients of any age undergoing a physical assessment. This device is designed for use in a professional setting by a healthcare practitioner.

Symbol Definitions

Symbol	Defenition
	Important warning/caution
	Manufacturer's information
	Equipment type is BF

General Warnings

A warning statement in this manual identifies a condition or practice which, should not do.

- Do not tap hard or scratch the diaphragm using sharp objects like a knife, needle, etc on the chest piece.
- Do not bend or apply excessive force to the stethoscope.
- Do not throw and spin the stethoscope.
- Do not disassemble, repair, or modify the device. When repair is needed, contact the DF Customer Service Dept. (see Page No.7).
- Avoid any place of high humidity or wet conditions such as a bathroom. Pressing the power button while the stethoscope is wet could cause irreparable damage to the device.
- Do not immerse in water. This product is not water-resistant, avoid excessive moisture.
- Sounds might be distorted if the battery level is low.
- This product is intended for use by a medically trained specialist.
- Fully charge the battery before first use.
- This product cannot be used while being charged.
- Avoid using external gadgets chargers.
- Avoid using 110v AC socket.
- Keep away from excessive dust
- Incorrect replacement of lithium polymer batteries will result in an unacceptable risk to void the warranty
- Replacement of lithium polymer batteries by untrained personnel may lead to failure of the device.
- Excessive charging and mishandling of device might trigger and could harm the user.
- This device is applicable for use only in India.

Caution:

- Avoid direct exposure to sunlight, heating fans, or heating appliances.
- Avoid strong magnetic fields beside the device. These could cause it to malfunction.
- Do not use the stethoscope for purposes other than the intended use.
- Always check the security of the ear tubes before use.
- If any heat generation, avoid using the device and contact our service center.

- Avoid doing sterilization like autoclave, UV sterilization, organic solvents, oils, etc.

BBeat Electronic Stethoscope Features:

- Improves low-frequency sound transmission characteristic with the use of an condenser microphone
- 10-level digital volume control

An acoustic microphone used in most electronic stethoscopes may have frequency characteristics not suitable for the body sounds, especially for the low-frequency heart sounds. Other stethoscopes provide the internal body sounds not directly from the body surface, but through the air layer between the body surface and the microphone. The BBeat solves these problems with the use of an condenser microphone which is the heart of the BBeat. The BBeat has wide-frequency characteristics and enables you to detect the heart and lung sounds more precisely.

Operation of the Headset

The BBeat electronic stethoscope is designed to provide comfortable ear fittings and the best sound transmission. The binaural (ear tubes) are angled at 55° to permit a comfortable, acoustically sealed aural fit. Ear tubes should point forward, towards the bridge of the nose, to fit properly.

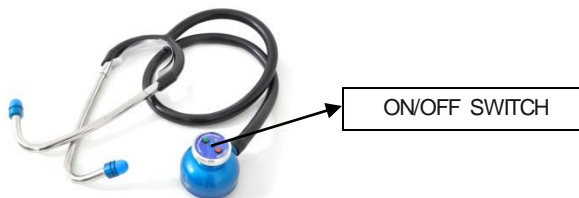
Adjusting the Spring Tension in the Headset

To reduce the tension, grip the binaural firmly using both hands with fingers at the center of the "Y" in the tubing, thumbs at each side where the tubing branches out. Flex binaural gradually until the desired tension is obtained.

To increase the tension, grip the binaural in the hand and squeeze the binaural tubes together gradually. Excessive adjustment of the spring tension could weaken the spring.

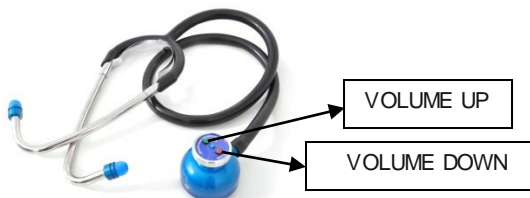
Power ON/OFF

Press the power button to turn the BBeat on/off.



Volume Control

While auscultating, press the volume button either to increase or decrease the volume level.



Battery

- Lithium polymer rechargeable battery
- Operating voltage 4.2v to 2.7v
- Battery capacity 300mah

Charger

- USB type C charger is provided with this device for charging the BBeat
- Input voltage 220v to 230v AC

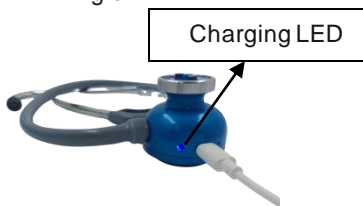
NOTE:

- Kindly use the charger provided with BBeat stethoscope for longer life of the battery.

Device Status

- When a device is ON green LED will glow

- When a device is OFF or battery low green LED will not glow
- When a device is charging blue LED will glow.



✗ Avoid using device while charging

Care and Maintenance

- Avoid extreme heat, cold, solvents, oils, excessive dust areas, etc.
- Do NOT leave exposed to direct sunlight for prolonged periods of time.
- Do NOT immerse stethoscope in any liquid or subject to steam sterilization.
- Chestpieces and diaphragms can be wiped down with 70% isopropyl alcohol for cleaning purposes.
- When BBeats is not in use please switch off the device.
- It is unnecessary to disassemble the unit for cleaning.

Troubleshooting Solutions

Troubleshooting Possible Problems	
PROBLEM	SOLUTION
Battery will not charge	If battery will not charge, battery must be replaced. Contact your DF support.
Poor sound quality, intermittent sound amplification, or no sound amplification	Charge the device if still resist, contact your local DF dealer for warranty service on your stethoscope.
Tick sound	Press volume up button if still present contact your local DF dealer for warranty service on your stethoscope.
Damaged/worn chestpiece diaphragm	Contact your local DF dealer for warranty service on your stethoscope.

Operating Environment

- Temperature: 14°F to 104°F (-10°C ~ 45°C)
- Humidity: 20 to 95% Relative humidity
- Atmospheric Pressure: 101.325 kPa (760mmHg)

Storage Environment

- Temperature: -4°F to 122°F (-20°C ~ 50°C)
- Humidity: 20 to 95% Relative humidity

Regulatory Standards

Drugs under the Drugs and Cosmetics Act 1940 and Rules made there under in 1945.

Indian Medical Device Regulation IMDR 2017.

ISO13485:2016 Quality Management System

Standard.

Warranty

DF® warrants its products against defects in materials and workmanship under normal use and service as follows:

Warranty service extends to the original purchaser from the date of purchase.

1 year warranty for device.

Extended warranty on purchase.

What Is Covered: Repair, or replacement of parts, and labor.

What Is Not Covered: Transportation charges to DF. Damages caused by abuse, misuse, accident, or negligence, incidental, special, or consequential damages. Batteries or damage from old batteries is not covered by the warranty. Some states do not allow the exclusion or limitation of incidental, special, or consequential damages, so this limitation may not apply to you. Warranty is not covered for product buying from non authorized distributors and third party not associated with DF.

To Obtain Warranty Service: Send item postage paid to DF, Attn: No.8, MACC Suraj Apartment, Ground Floor, Thiruvalluvar Street, Madipakkam, Chennai – 600091.

Please include your name and address, daytime phone no., proof of purchase, and a brief note explaining the problem.

services@dreamfusiontech.com

Implied Warranty: Any implied warranty shall be limited in duration to the terms of this warranty and in no case beyond the original selling price (except where prohibited by law). This warranty gives you specific legal rights and you may have other rights which vary from state to state.

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Designed, Developed and Manufactured in India

Chestpiece Made in India

Headset Made in India

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