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› 3M Littmann CORE Digital Stethoscope User Manual

3M Littmann 8480

3M Littmann CORE Digital Stethoscope User Manual

Model: 8480 | Brand: 3M Littmann

INTRODUCTION

The 3M Littmann CORE Digital Stethoscope combines the superior acoustics, comfort, and quality of a Littmann cardiology-grade stethoscope with advanced digital technology. This device offers up to 40x amplification and active noise cancellation, enhancing auscultation confidence. It connects with Eko software on smart devices for visualization, recording, and data sharing. This manual provides essential information for the proper use, care, and maintenance of your stethoscope.

WHAT'S IN THE BOX

- Digital Stethoscope
- Chestpiece
- Tube
- Stem
- Headset

KEY FEATURES

- Connects to Eko software on a smart device to visualize, record and share data. (Smart device not included. Some features require a subscription)
- Up to 40x amplification (at peak frequency, vs. analog mode)
- Active noise cancellation reduces unwanted background sounds
- Toggle between analog and amplified listening modes; Designed for use with adult and pediatric patients
- Soft sealing ear tips provide an excellent acoustic seal and comfortable fit
- Tunable, dual sided stainless steel chestpiece with open or closed bell



The 3M Littmann CORE Digital Stethoscope connected to a smartphone, showing real-time sound wave visualization through the Eko app.

Connects to Eko software



See, save and
share sounds.

Subscription may
be required.



Seamless connectivity to Eko software allows for easy visualization, saving, and sharing of auscultation sounds. A subscription may be required for full functionality.



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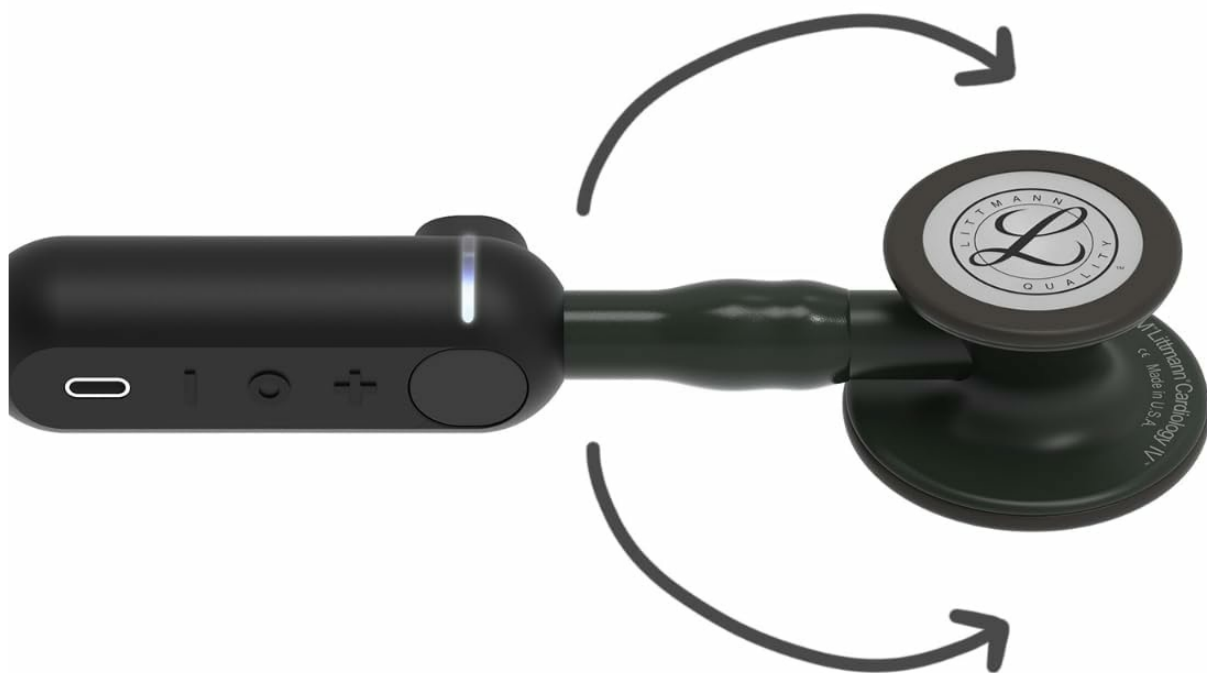
CORE Digital Stethoscope

Up to 40x amplification
(at peak frequency, vs. analog mode).

Experience up to 40x sound amplification at peak frequency, significantly enhancing the clarity of heart and lung sounds compared to traditional analog stethoscopes.

CORE Digital Stethoscope

Double sided



Pediatric side 1.4"/3.4 cm • Adult side 1.7"/4.3 cm

The stethoscope features a versatile double-sided chestpiece, with a 1.4-inch (3.4 cm) pediatric side and a 1.7-inch (4.3 cm) adult side, allowing for comprehensive patient assessment.

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CORE Digital Stethoscope



Analog and digital modes.

Effortlessly switch between analog and amplified digital listening modes to suit your preference and clinical needs during examinations.

A healthcare professional with curly hair, wearing a dark blue uniform, is shown in profile, using a black digital stethoscope to listen to a patient's back. The patient's back is bare and occupies the left side of the frame. The stethoscope has a circular chest piece with a logo and a black tube. The background is a plain, light-colored wall.

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CORE Digital Stethoscope

Active noise cancellation.

Integrated active noise cancellation technology effectively minimizes distracting background sounds, providing clearer auscultation in various environments.



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CORE Digital Stethoscope

Designed for comfort.

Designed for comfort during prolonged use, the stethoscope features soft-sealing ear tips that provide an excellent acoustic seal and a comfortable fit for the user.

SETUP

1. **Unpack:** Carefully remove all components from the packaging.
2. **Assemble:** Ensure the chestpiece, tube, stem, and headset are securely connected.
3. **Charge:** Before first use, fully charge the stethoscope using the provided charging cable. The charging port is typically located on the digital module.
4. **Download App:** Download the Eko software application from your smart device's app store (iOS or Android).
5. **Pair:** Follow the in-app instructions to pair your 3M Littmann CORE Digital Stethoscope with your smart device via Bluetooth.

OPERATING INSTRUCTIONS

1. **Power On/Off:** Locate the power button on the digital module. Press and hold to turn the device on or off. An indicator light will confirm the status.

2. **Toggle Modes:** The stethoscope allows toggling between analog and amplified digital listening modes. Refer to the device's digital module for the mode selection button.
3. **Adjust Amplification/Volume:** Use the volume control buttons on the digital module to increase or decrease the sound amplification to your desired level.
4. **Using the Chestpiece:**
 - For low-frequency sounds, apply light pressure to the patient's skin with the chestpiece.
 - For high-frequency sounds, apply firm pressure to the patient's skin with the chestpiece.
 - Utilize the appropriate side of the dual-sided chestpiece: the larger side for adult patients and the smaller side for pediatric or thin patients.
5. **Active Noise Cancellation:** This feature is automatically active in digital mode to reduce ambient noise.
6. **App Connectivity:** Once paired, open the Eko app on your smart device to visualize heart sound waveforms, record, and save data. Follow the app's prompts for recording and analysis.

MAINTENANCE

- **Cleaning:** Clean the stethoscope regularly with a 70% isopropyl alcohol solution or a disposable wipe with 70% isopropyl alcohol. Do not immerse the stethoscope in any liquid.
- **Storage:** Store the stethoscope in a clean, dry environment, away from extreme temperatures and direct sunlight.
- **Battery Care:** To maintain battery life, avoid fully discharging the battery frequently. Charge the device when the battery indicator is low.
- **Ear Tips:** Periodically remove and clean the ear tips to ensure optimal sound transmission and hygiene.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No sound or weak sound in digital mode	Low battery; Stethoscope not powered on; Ear tips not properly sealed; Incorrect mode selected.	Charge the stethoscope; Press and hold the power button to turn on; Ensure ear tips fit snugly; Toggle to amplified digital mode.
Cannot connect to Eko app	Bluetooth is off; Stethoscope is out of range; App needs update; Stethoscope not in pairing mode.	Ensure Bluetooth is enabled on your smart device; Bring stethoscope closer to device; Update Eko app; Follow app instructions for pairing.
Excessive background noise	Active noise cancellation not functioning; Environmental noise too high.	Ensure stethoscope is in digital mode for active noise cancellation; Try to minimize external noise sources if possible.

SPECIFICATIONS

Feature	Detail
Product Dimensions	27 x 6.75 x 0.1 inches; 3.07 ounces (Stethoscope)
Item Model Number	8480
Batteries	1 Lithium Ion battery required (included)

Feature	Detail
Manufacturer	3M Littmann
Exterior Finish	Stainless Steel
Material	Diaphragm: Epoxy/Fiberglass Headset: Wide diameter aerospace alloy/anodized Tubing: Latex-free, kink-resistant flexible material
Amplification	Up to 40x (at peak frequency)
Noise Cancellation	Active Noise Cancellation
Chestpiece	Tunable, dual-sided (Adult: 1.7"/4.3 cm, Pediatric: 1.4"/3.4 cm)

WARRANTY AND SUPPORT

For product support, warranty information, or technical assistance, please contact 3M Littmann customer service.

Manufacturer Contact: 1-800-228-3957

Official User Guide (PDF): [Download User Guide](#)

Manufacturer Website: www.littmann.com

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question