ADC 600BK

ADC Adscope 600 Platinum Series Cardiology Stethoscope User Manual

Brand: ADC | Model: 600BK

Introduction

The ADC Adscope 600 Cardiology Stethoscope is designed for superior acoustic performance, comfort, and durability. It features tunable AFD Technology, allowing for versatile auscultation by combining the acoustic response of a traditional bell and diaphragm in a single, convenient one-sided chestpiece. Its bi-lumen (dual channel) headset design further enhances stereo separation for clear sound transmission.



Figure 1: ADC Adscope 600 Platinum Series Cardiology Stethoscope.



Figure 2: The bi-lumen (dual channel) tubing design for enhanced stereo separation.

Setup

Headset Orientation and Fit

Proper headset orientation is crucial for optimal acoustic performance. The binaurals are pre-angled to fit comfortably and securely in the ear canals. Ensure the ear tips point forward, towards the bridge of your nose, when placed in your ears.

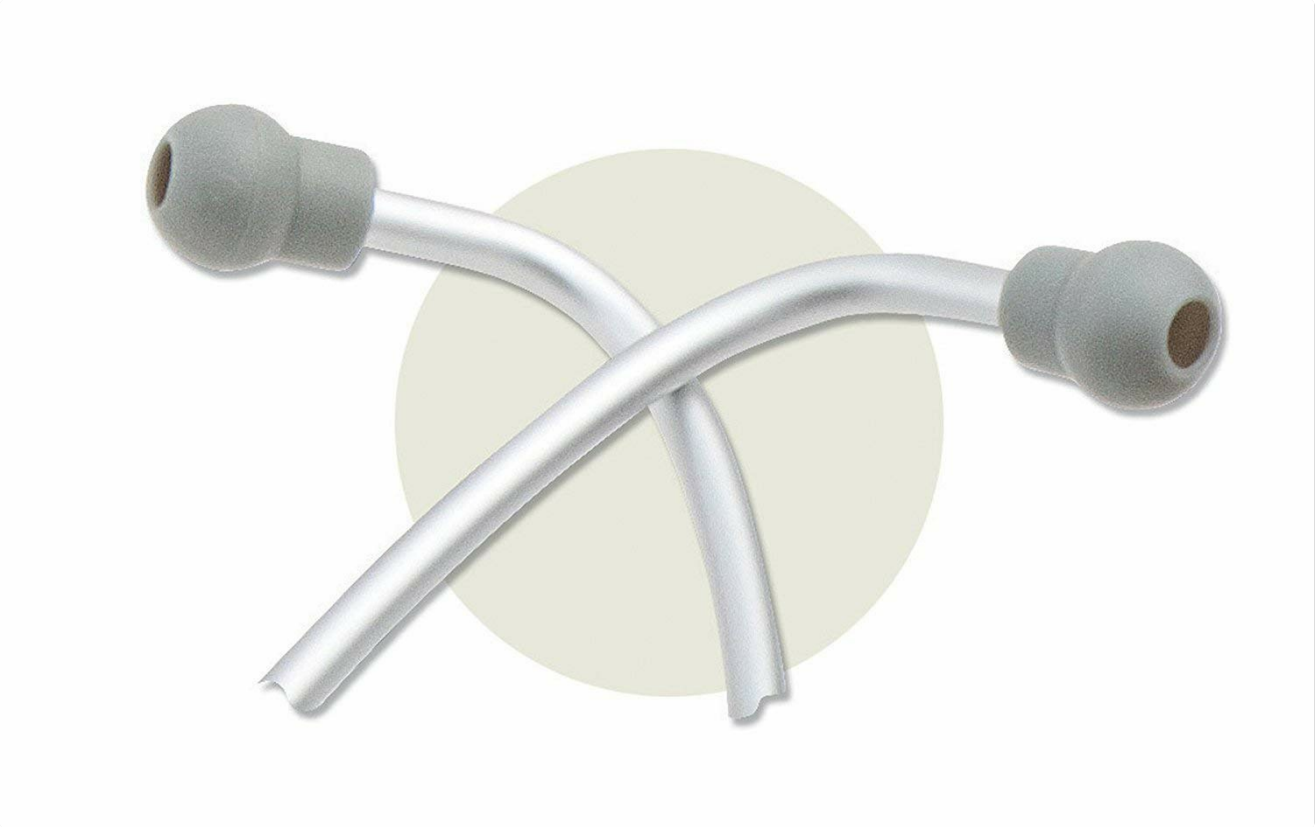


Figure 3: The headset with Adsoft Plus ear tips designed for comfort and acoustic seal.

Adjusting Binaural Tension

The tension of the binaurals can be adjusted for a comfortable yet snug fit. If the headset feels too tight, gently pull the ear tubes apart near the base of the headset. If it feels too loose, gently squeeze the binaurals together. An appropriate fit ensures both comfort and effective acoustic transmission.

Ear Tip Installation

Your Adscope 600 comes with two additional pairs of Adsoft Plus ear tips (large and small) to ensure a comfortable fit and an optimal acoustic seal. To change ear tips, remove the existing pair by pulling them off, then slide each new ear tip firmly over the base of the binaural until it locks into place.

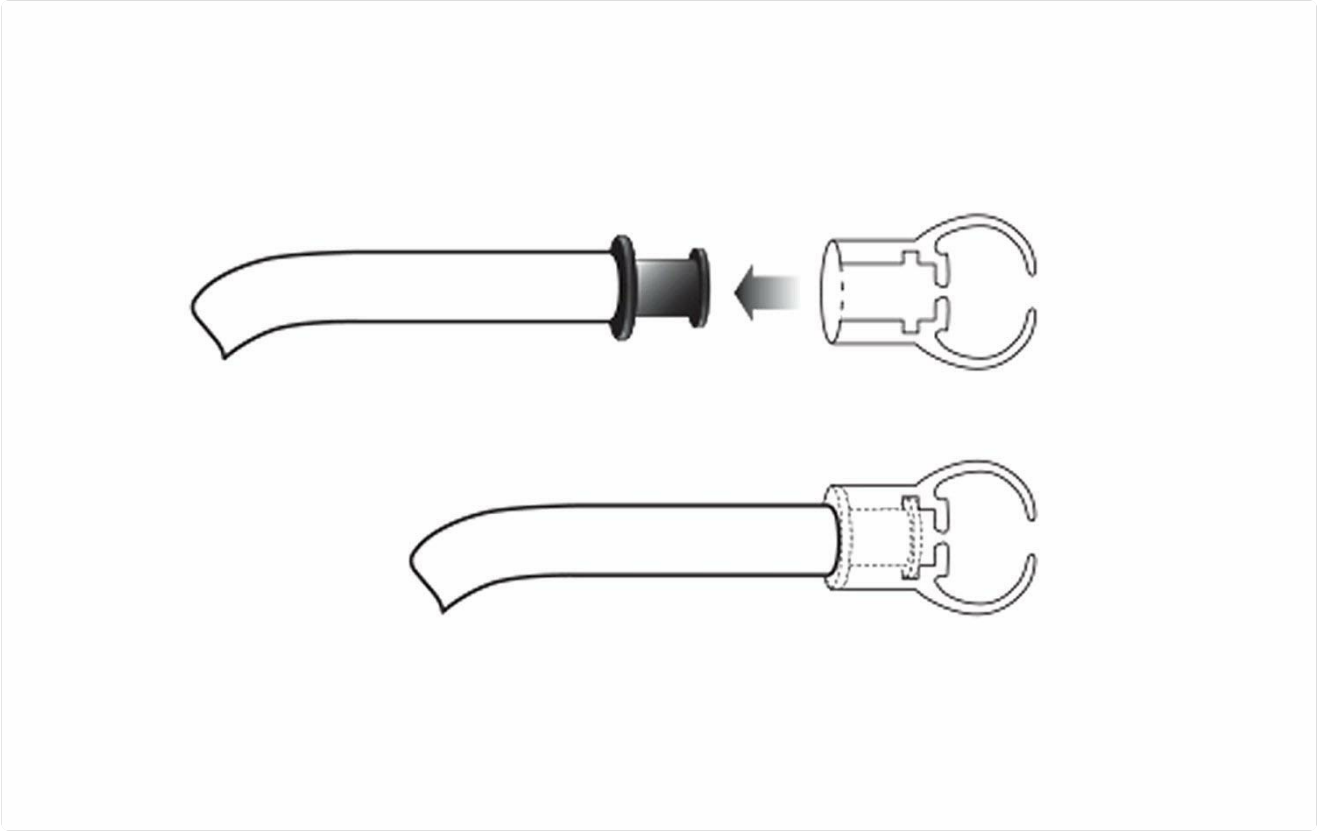


Figure 4: Diagram illustrating the proper method for attaching ear tips.



Figure 5: Included Adsoft Plus ear tips for customization and replacement.

Chestpiece Activation

The Adscope 600 features a one-sided chestpiece with tunable AFD Technology. To activate the diaphragm mode for high-frequency sounds, apply firm pressure to the chestpiece. For low-frequency, bell-like sounds, apply light pressure. There is no need to rotate the chestpiece to switch between modes.



Figure 6: The sculpted chestpiece, precision CNC machined from surgical stainless steel.

ID Tag Installation

Your Adscope 600 includes a complimentary scope ID tag for personalization. This tag can be easily attached to the stethoscope tubing to help identify your instrument.

Video 1: Instructions on how to attach the included ID tag to your stethoscope.

Video 2: Detailed performance tips for maximizing the acoustic capabilities of your ADC Adscope stethoscope, including headset and ear tip adjustments.

Operating Instructions

Utilizing Tunable AFD Technology

The Adscope 600's tunable AFD (Adjustable Frequency Design) technology allows you to hear both low and high-frequency sounds without needing to turn over the chestpiece. This is achieved by varying the pressure applied to the chestpiece:

- **Light Pressure:** Apply light pressure to the chestpiece to hear low-frequency sounds, similar to a traditional bell.
- **Firm Pressure:** Apply firm pressure to the chestpiece to hear high-frequency sounds, similar to a traditional diaphragm.

This seamless transition between frequencies enhances diagnostic efficiency and accuracy.

Auscultation Techniques

For best results, ensure the patient is in a quiet environment. Place the chestpiece directly on the skin, avoiding clothing that may create artifact sounds. Practice applying varying pressure to become proficient with the tunable

AFD technology and identify subtle sounds.

Care and Maintenance

Cleaning and Disinfection

Regular cleaning and disinfection are essential to maintain the performance and hygiene of your stethoscope. Wipe all parts of the stethoscope with a 70% isopropyl alcohol solution or a mild soap and water solution after each use. Ensure all components are thoroughly dried before storage. Do not immerse the stethoscope in any liquid or subject it to sterilization processes.

Ear Tip Replacement

Periodically inspect the Adsoft Plus ear tips for wear or damage. Replace them as needed using the additional pairs provided with your stethoscope. Properly seated ear tips are vital for both comfort and acoustic integrity.

Storage

Store your stethoscope in a clean, dry place, away from extreme temperatures, direct sunlight, and solvents. Avoid tightly coiling the tubing or placing heavy objects on it, as this can cause permanent kinks or damage.

Troubleshooting

Problem	Possible Cause	Solution
Poor Sound Quality	• Improper ear tip fit or orientation. • Loose ear tips or chestpiece components. • Obstructed tubing. • Incorrect pressure application for desired frequency.	• Ensure ear tips are correctly oriented (pointing forward) and fit snugly. • Check that ear tips and chestpiece are securely attached. • Inspect tubing for kinks, cracks, or blockages. • Adjust pressure on the chestpiece (light for low frequencies, firm for high frequencies).
Discomfort when Wearing	• Binaural tension is too tight or too loose. • Incorrect ear tip size.	• Adjust binaural tension by gently pulling apart or squeezing together the ear tubes. • Try a different size of Adsoft Plus ear tips for a more comfortable fit.

Product Specifications

Brand: ADC

Model Number: 600BK

Color: Black

Material: Stainless Steel, Silicone

Product Dimensions: 27 x 1 x 2.5 inches

Item Weight: 0.1 Kilograms (approx. 3.53 ounces)

Exterior Finish: Mirror

Manufacturer: American Diagnostic Corporation

Date First Available: May 8, 2005

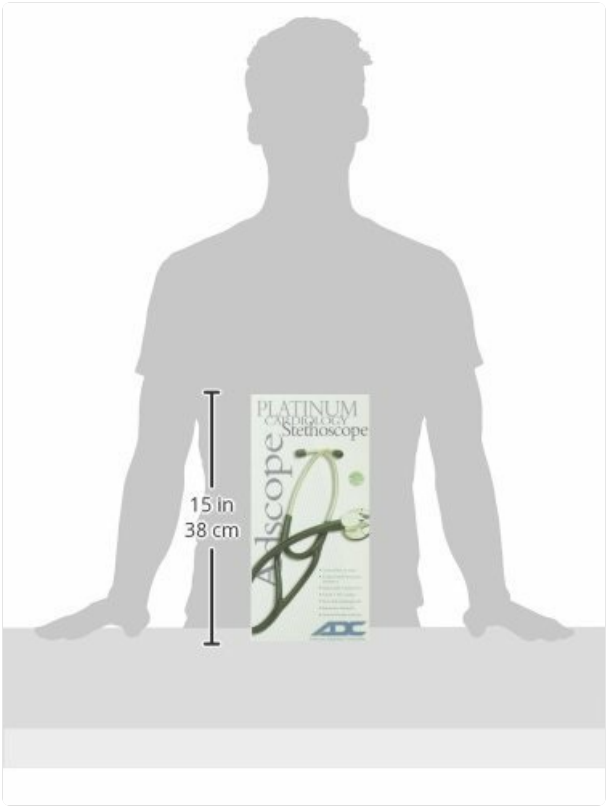


Figure 7: Product dimensions and packaging details.

Warranty and Support

The ADC Adscope 600 Platinum Series Cardiology Stethoscope is backed by a**Lifetime Warranty**. This includes complimentary refurbishment and free parts forever, ensuring long-term reliability and performance.

For any support inquiries, service requests, or to claim warranty, please contact American Diagnostic Corporation directly. Refer to their official website or product packaging for the most current contact information.

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