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› David Clark H10-13X ANR Aviation Headset Instruction Manual

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Model: H10-13X

INTRODUCTION

The David Clark H10-13X ANR Aviation Headset is engineered to deliver superior hearing protection, crystal-clear communication, and exceptional comfort for aviation professionals and enthusiasts. This manual provides essential information for the proper setup, operation, and maintenance of your headset, ensuring optimal performance and longevity.



An overview of the David Clark H10-13X ANR Aviation Headset, showcasing its robust construction and classic design.

PRODUCT FEATURES

- Battery-powered, stereo Active Noise Reduction (ANR) headset with an electret microphone.
- Passive Noise Reduction Rating (NRR) of 23 dB, augmented by an additional 17-22 dB of low-frequency electronic noise attenuation.
- Features a super soft foam-filled pillow headpad for enhanced comfort during extended use.
- Equipped with trademark undercut gel ear seals designed for unequaled all-day comfort.
- Includes an M-7A electret noise-canceling microphone for crisp, clear transmissions without background interference.
- Stereo phones are integrated, ideal for in-flight audio entertainment.
- Lightweight design, weighing approximately 18 oz. (without cord assembly).



This image highlights key features of the H10-13X headset, including the foam-filled pillow headpad, 23 dB passive noise reduction, and the M-7A electret noise-canceling microphone.

SETUP

Battery Installation

The Active Noise Reduction (ANR) feature of your H10-13X headset is powered by a single 9V battery. This battery provides up to 25 hours of ANR operation and features a user-selectable Auto Shut-off to conserve power.

1. Locate the battery compartment, typically found on the ANR control module attached to the headset cord.

2. Carefully open the battery compartment cover.
3. Insert a fresh 9V alkaline battery, ensuring correct polarity (+/- terminals).
4. Close the battery compartment cover securely.

Headset Adjustment

Proper adjustment ensures maximum comfort and effective noise reduction.

1. **Headband Adjustment:** Gently slide the ear domes up or down along the headband to achieve a snug, comfortable fit over your ears. The foam-filled pillow headpad should rest comfortably on the top of your head.
2. **Microphone Positioning:** Adjust the flexible boom arm of the M-7A electret microphone. Position the microphone approximately 1/8 to 1/4 inch from your lips, ensuring it is centered in front of your mouth for optimal voice pickup and noise cancellation.



A front view of the David Clark H10-13X ANR Headset, illustrating the adjustable headband and microphone boom.

OPERATING INSTRUCTIONS

Activating Active Noise Reduction (ANR)

To activate the ANR function, locate the power switch on the ANR control module. Slide the switch to the 'ON' position. You should notice an immediate reduction in low-frequency ambient noise. The ANR system includes a user-selectable Auto Shut-off feature to conserve battery life when not in use.

Microphone Usage

The M-7A electret noise-canceling microphone is designed for clear voice transmission. Ensure the microphone is positioned correctly, as described in the Setup section, to maximize its noise-canceling capabilities and ensure your voice is transmitted clearly.

Volume Control

Adjust the audio volume using the controls on your aircraft's intercom or audio panel. The headset itself does not feature integrated volume controls.

Stereo/Mono Operation

The H10-13X headset is stereo capable. For optimal sound quality, ensure your aircraft's audio panel is configured for stereo output if available, and the headset's internal switch (if present) is set to stereo mode. Refer to your aircraft's avionics manual for specific audio panel settings.

Foam-filled
pillow headpad

23 db passive
noise reduction



M-7A electret
noise-canceling mic

A side view of the David Clark H10-13X ANR Headset, showing the ear cup design and microphone attachment point.

MAINTENANCE

Regular maintenance ensures the longevity and performance of your headset.

- **Cleaning:** Use a soft, damp cloth to clean the exterior surfaces of the ear domes and headband. Avoid using harsh

chemicals or abrasive cleaners.

- **Ear Seals:** The undercut gel ear seals are designed for comfort and effective noise isolation. Inspect them periodically for wear or damage. Worn ear seals can compromise noise reduction and comfort and should be replaced. Replacement ear seals are available from authorized David Clark dealers.
- **Microphone Windscreen:** Ensure the microphone windscreen is clean and free of debris. Replace if damaged to maintain clear transmissions.
- **Storage:** When not in use, store your headset in a clean, dry environment, preferably in a protective case, to prevent damage from dust, moisture, and physical impact.

TROUBLESHOOTING

- **No ANR Function:** If the Active Noise Reduction is not working, first check the 9V battery in the control module. Ensure it is correctly installed and has sufficient charge. Replace the battery if necessary.
- **Poor Audio Quality or No Sound:** Verify all connections to the aircraft's audio panel are secure. Check the microphone position and ensure it is not obstructed. Inspect the headset cords for any visible damage.
- **Discomfort During Use:** Re-adjust the headband and ear domes to ensure a proper fit. Check the condition of the ear seals; worn or hardened ear seals can cause discomfort and should be replaced.
- **Intermittent Communication:** Check all cable connections for looseness. Ensure the microphone boom is securely attached and positioned correctly.

SPECIFICATIONS

Feature	Specification
Brand	David Clark
Model Number	H10-13X
Noise Control	Active Noise Cancellation
Ear Placement	Over Ear
Form Factor	Over Ear
Enclosure Material	Foam, Gel
Microphone Type	M-7A Electret Noise-Canceling
Passive Noise Reduction (NRR)	23 dB
ANR Attenuation	Additional 17-22 dB (low-frequency)
Battery Type	9V (single)
Battery Average Life	25 hours
Auto Shut-off	User-selectable
Weight (without cord)	18 oz.
Connectivity Technology	Wired

Headphone Jack	3.5 mm Jack
Specific Uses For Product	Aviation



The packaging box for the David Clark H10-13X ANR Headset, displaying model information and key specifications.

WARRANTY AND SUPPORT

David Clark is renowned for its commitment to quality and customer satisfaction. The manufacturer offers a lifetime warranty for servicing this headset, reflecting confidence in its durability and performance.

For technical assistance, warranty claims, or to inquire about replacement parts, please contact David Clark customer support directly through their official website or authorized service centers. Always refer to your purchase documentation for specific warranty terms and conditions.