

David Clark H10-36

David Clark H10-36 Helicopter Headset User Manual

Model: H10-36

1. INTRODUCTION

This manual provides comprehensive instructions for the proper use, setup, maintenance, and troubleshooting of your David Clark H10-36 Helicopter Headset. Designed for pilots, this headset offers excellent performance and comfort, featuring a 5-foot coil cord and a single U-174/U plug for helicopter radios. Please read this manual thoroughly before operating the headset to ensure optimal performance and longevity.

2. PRODUCT OVERVIEW

The David Clark H10-36 Helicopter Headset is engineered for clear communication and hearing protection in aviation environments. Key components include:

- **Ear Cups:** Designed for passive noise attenuation and comfort.
- **Headband:** Adjustable for a secure and comfortable fit. Features a padded cushion for extended wear.
- **Microphone Boom:** Flexible arm holding the noise-canceling microphone.
- **Microphone:** Electret noise-canceling microphone for clear voice transmission.
- **Coil Cord:** Durable 5-foot coiled cable for flexibility and reach.
- **U-174/U Plug:** Single plug connector for helicopter radio systems.



Figure 2.1: David Clark H10-36 Helicopter Headset. This image shows the full headset, including the ear cups, adjustable headband with padding, flexible microphone boom, and the coiled cord with its connector.

3. SETUP

Follow these steps to properly set up your H10-36 headset:

1. **Adjust Headband:** Extend or retract the headband slides on both sides to ensure the ear cups fit comfortably over your ears. The top of the headband should rest gently on your head.
2. **Position Ear Cups:** Ensure the ear cups fully enclose your ears, creating a good seal. This is crucial for effective noise attenuation. Adjust the angle of the ear cups if necessary.
3. **Position Microphone:** Bend the flexible microphone boom to position the microphone approximately 1/4 to 1/2 inch (0.6 to 1.3 cm) from your lips. Ensure the microphone is directly in front of your mouth for optimal voice pickup and noise cancellation.
4. **Connect to Aircraft:** Insert the single U-174/U plug firmly into the corresponding jack in the aircraft's intercom or radio system. Ensure a secure connection to prevent audio interruptions.

4. OPERATING INSTRUCTIONS

Once set up, operating the H10-36 is straightforward:

- **Communication:** Speak clearly and directly into the microphone. The noise-canceling feature will help filter out ambient cockpit noise.
- **Listening:** Audio from the aircraft's intercom or radio will be heard through both ear cups. Adjust the aircraft's audio panel volume as needed.
- **Hearing Protection:** The headset provides passive noise attenuation. Ensure a proper seal around your ears for maximum protection against loud cockpit environments.

5. MAINTENANCE

Regular maintenance will extend the life and performance of your headset:

- **Cleaning:**
 - Wipe the ear cups and headband with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
 - Clean the microphone windscreen periodically to remove debris.
- **Storage:** Store the headset in a clean, dry place, away from direct sunlight and extreme temperatures. Avoid coiling the cord too tightly.
- **Ear Seals:** Inspect ear seals regularly for cracks or hardening. Replace them if they show signs of wear to maintain optimal comfort and noise attenuation. Replacement ear seals are available from authorized David Clark dealers.
- **Microphone Windscreen:** Ensure the microphone windscreen is intact. Replace if damaged to maintain clear communication.

6. TROUBLESHOOTING

If you encounter issues with your H10-36 headset, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No audio in ear cups	Loose connection; Aircraft audio panel off/low; Headset malfunction.	Ensure plug is fully inserted. Check aircraft audio panel volume and settings. Test headset on another aircraft or with a known good intercom.
Cannot transmit (microphone not working)	Microphone not positioned correctly; Loose connection; Aircraft PTT (Push-to-Talk) issue; Microphone malfunction.	Reposition microphone closer to lips. Check plug connection. Verify aircraft PTT button functionality. Test microphone on another system.
Excessive background noise	Poor ear seal; Microphone not positioned correctly; Damaged ear seals or windscreen.	Adjust headset for a tighter ear seal. Reposition microphone. Inspect and replace worn ear seals or microphone windscreen.

If problems persist after attempting these solutions, contact David Clark customer support or an authorized service center.

7. SPECIFICATIONS

Feature	Detail
Model Name	Over the Head Helicopter Headset
Noise Control	Active Noise Cancellation
Form Factor	On Ear
Color	Green
Brand	David Clark
Connectivity Technology	Wired

Feature	Detail
Material	Foam
Cable Feature	Retractable (Coil Cord)
Item Model Number	H10-36
Human Interface Input	Microphone
Special Features	Lightweight

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the official David Clark Company website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

David Clark Company LLC

www.davidclark.com

For service or technical assistance, please contact an authorized David Clark service center.

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