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› UFQ A7 ANR Aviation Headset User Manual

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Model: UFQ A7 ANR Aviation Headset

Brand: UFQ

1. INTRODUCTION

The UFQ A7 ANR Aviation Headset is designed to provide superior comfort, clear communication, and effective active noise reduction (ANR) for pilots and aviation enthusiasts. This manual provides detailed instructions for the setup, operation, and maintenance of your new headset, ensuring optimal performance and longevity.



Figure 1.1: The UFQ A7 ANR Aviation Headset, showcasing its over-ear design and microphone boom.

2. KEY FEATURES

- **Ultra-Lightweight Design:** Weighing only 220g, the A7 offers exceptional comfort for extended wear, reducing fatigue during long flights.
- **Advanced Active Noise Reduction (ANR):** Provides a quieter environment by actively canceling engine and cockpit noise, enhancing clarity and reducing listening effort.

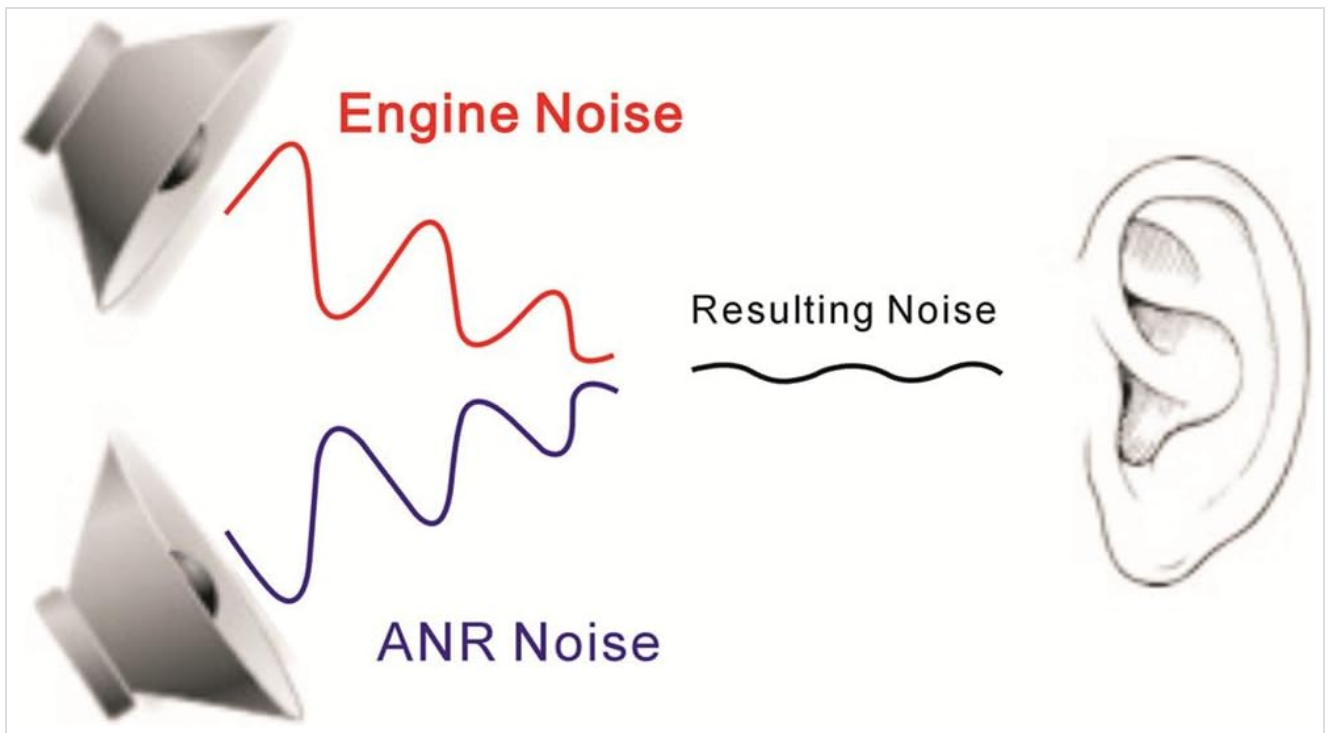


Figure 2.1: Diagram illustrating how Active Noise Reduction (ANR) technology cancels out engine noise to create a quieter listening experience.

- **Crystal Clear Communication:** Equipped with a UFQ M-7U aviation microphone for clear voice transmission, designed for high-noise environments. The microphone boom rotates 350 degrees for left or right side use.

The mic boom can be rotated easily from LEFT side to RIGHT side



Figure 2.2: Visual guide demonstrating the 350-degree rotation capability of the microphone boom, allowing for flexible positioning on either side of the headset.

- **Superior Comfort:** Features a soft leather head cushion and ear cushions that conform to the head, ensuring comfort even during prolonged use in various weather conditions.
- **Durable Construction:** Built with a steel headband and reinforced cables with Kevlar inside, along with gold-plated twin GA plugs for enhanced durability.
- **Hi-Fi Audio Quality:** High-fidelity speakers provide excellent sound quality for both communication and music playback, compatible with MP3 players, iPods, and iPads via an included link cable.
- **Long Battery Life:** Operates on 2 AA batteries, providing over 48 hours of continuous use.

3. WHAT'S IN THE BOX

Upon opening your UFQ A7 ANR Aviation Headset package, you should find the following items:

- UFQ A7 ANR Aviation Headset

- Protective Case
- Audio Link Cable (for Cellphone/MP3)



Figure 3.1: The included protective carrying case for the UFQ A7 ANR Aviation Headset, designed for easy transport and protection.

4. SETUP GUIDE

4.1. Battery Installation

1. Locate the battery compartment on the control box of the headset cable.
2. Open the compartment cover.

3. Insert two (2) AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.
5. *Note: New batteries provide approximately 48 hours of operation.*

4.2. Connecting to Aircraft

The UFQ A7 ANR Aviation Headset uses standard GA twin plugs for connection to aircraft intercom systems.

1. Identify the microphone plug (smaller, typically PJ-068 or equivalent) and the headphone plug (larger, typically PJ-055B or equivalent).
2. Insert the plugs into the corresponding jacks in the aircraft's audio panel.

4.3. Microphone Adjustment

The flexible microphone boom can be adjusted for optimal voice pickup and comfort.

- Position the microphone approximately 0.5 to 1 inch from your mouth.
- The boom can be rotated 350 degrees to be used on either the left or right side of your head.

5. OPERATING INSTRUCTIONS

5.1. Active Noise Reduction (ANR)

To activate the ANR function:

1. Locate the ANR power switch on the control box.
2. Slide the switch to the "ON" position. You should notice a significant reduction in ambient noise.
3. To conserve battery life, switch ANR to "OFF" when not in use.

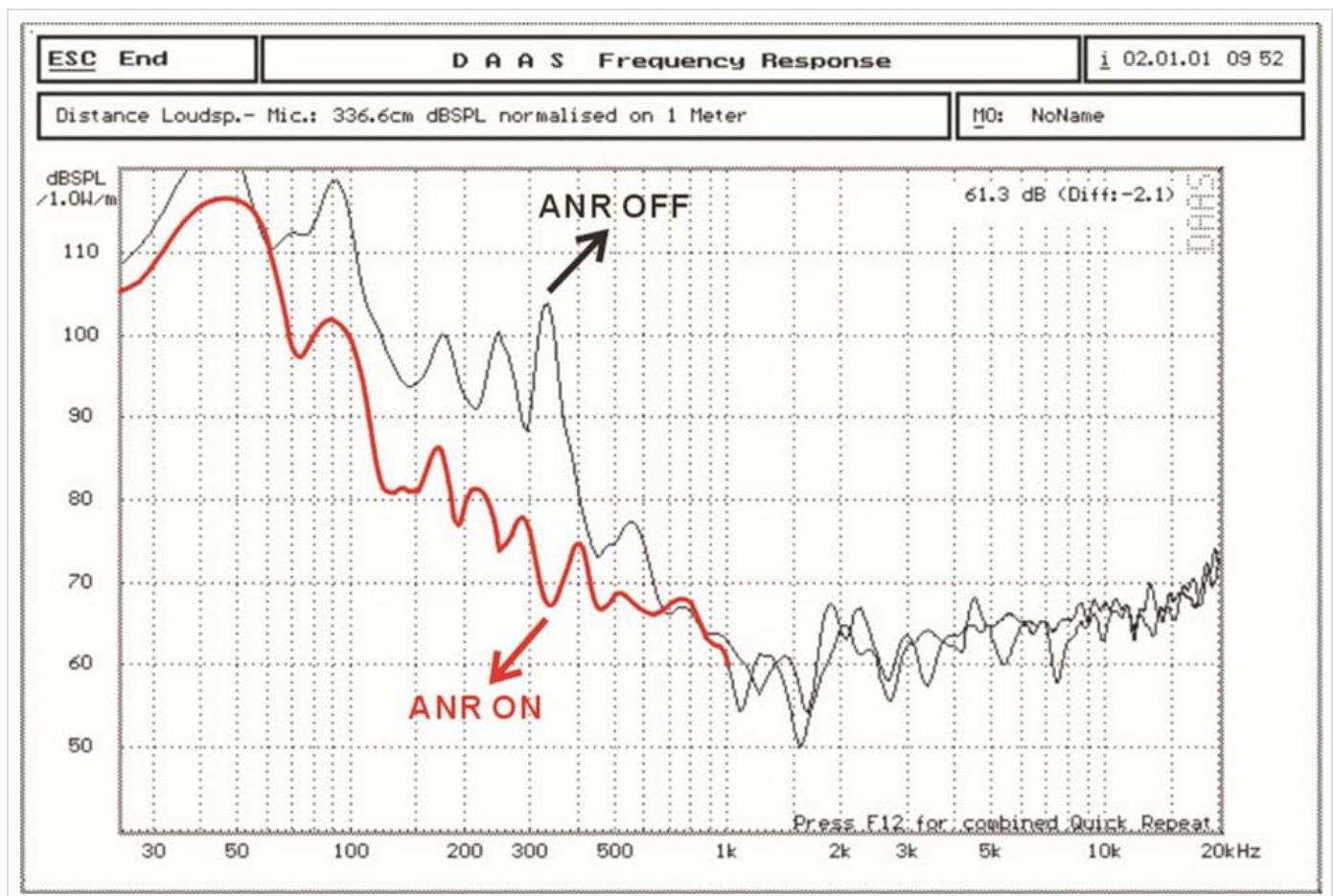


Figure 5.1: A frequency response graph demonstrating the effectiveness of ANR, showing reduced noise levels when ANR is active

compared to when it is off.

5.2. Volume Control

The headset features dual volume controls on the control box, allowing independent adjustment for each ear cup.

- Rotate the volume knobs clockwise to increase volume and counter-clockwise to decrease volume.

5.3. Mono/Stereo Switch

A mono/stereo switch is located on the control box to match the audio output of your aircraft's intercom system.

- Set the switch to "MONO" for mono intercom systems.
- Set the switch to "STEREO" for stereo intercom systems or when listening to stereo music.

5.4. MP3/Auxiliary Input

Use the included audio link cable to connect external audio devices such as cellphones, MP3 players, iPods, or iPads.

1. Connect one end of the audio link cable to the auxiliary input jack on the headset's control box.
2. Connect the other end to the headphone jack of your external audio device.
3. Adjust the volume on your external device and/or the headset's volume controls for desired listening levels.

6. MAINTENANCE AND CARE

6.1. Cleaning

- Wipe the headset surfaces with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure no moisture enters the ear cups or control box.

6.2. Battery Replacement

- Replace batteries when the ANR performance diminishes or the indicator light (if present) signals low power.
- Always use fresh, high-quality AA batteries.
- Remove batteries if the headset will not be used for an extended period to prevent leakage.

6.3. Storage

Store the headset in its protective case when not in use to prevent damage from dust, moisture, and physical impact.

Note please!!

In order to extend the durability of this headset. Make sure place the headset inside the bag as this way.



Figure 6.1: Proper method for storing the headset inside its protective case to ensure durability and prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No audio in headset	• Plugs not fully inserted • Aircraft intercom off or volume low • Headset volume too low • ANR batteries depleted (if ANR is on)	• Ensure plugs are fully seated in aircraft jacks. • Check aircraft intercom power and volume settings. • Increase headset volume using dual controls. • Replace ANR batteries.
Poor or no microphone transmission	• Microphone not positioned correctly • Microphone plug not fully inserted • Aircraft intercom squelch too high	• Adjust microphone to be 0.5-1 inch from mouth. • Ensure microphone plug is fully seated. • Adjust aircraft intercom squelch setting.
ANR not working or weak	• ANR switch off • Batteries low or dead • Incorrect battery polarity	• Ensure ANR switch is in the "ON" position. • Replace batteries. • Check battery orientation.
Distorted audio	• Volume too high • Loose connection • Mono/Stereo switch incorrect	• Reduce headset or aircraft volume. • Check all cable connections. • Ensure Mono/Stereo switch matches aircraft system.

8. TECHNICAL SPECIFICATIONS

Model Name	UFQ A7 ANR Aviation Headset
Headphones Jack	GA twin plugs
Connectivity Technology	Wired
Wireless Communication Technology	Bluetooth (for auxiliary devices, not primary aircraft connection)
Noise Control	Active Noise Cancellation (ANR)
Frequency Range	20 Hz - 20,000 Hz
Battery Type	2 x AA batteries
Battery Life	Up to 48 hours
Item Weight	1.85 pounds (approx. 839g)
Material	Metal (headband), Leather (cushions, case)
Included Components	Protective Case, Audio Link Cable
UPC	651312701781

9. WARRANTY AND SUPPORT

9.1. Warranty Information

Specific warranty details for the UFQ A7 ANR Aviation Headset are typically provided at the point of purchase or within separate documentation included with the product. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the official UFQ website or contact the authorized seller from whom you purchased the headset.

9.2. Customer Support

Should you encounter any issues or require assistance with your UFQ A7 ANR Aviation Headset, please contact the seller or manufacturer directly. Provide your product model number (UFQ A7 ANR Aviation Headset) and a detailed description of the issue to facilitate prompt support. For general inquiries or further information, visit the official UFQ website.

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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

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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