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Telex Airman 750

Telex Airman 750 Aviation Headset User Manual

Model: Airman 750 (64300-200)

Brand: Telex

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Telex Airman 750 Aviation Headset. Designed for fixed-wing General Aviation (GA) aircraft, this headset offers clear communication and comfort for pilots. Please read this manual thoroughly before using the headset to ensure optimal performance and safety.

2. PRODUCT OVERVIEW

The Telex Airman 750 is a lightweight aviation headset featuring a noise-cancelling electret microphone and passive noise reduction. It is approved for aircraft use under FAA TSO C57a and C58a.

Key Features:

- Miniature, amplified, noise-cancelling electret microphone with superior 400Hz hum rejection.
- Lightweight design for extended comfort.
- Passive noise reduction for effective ambient noise attenuation.
- FAA TSO C57a and C58a approved.
- Flexible microphone boom for precise positioning.
- Comfortable ear seals and padded headband.

What's in the Box:

- Telex Airman 750 Headset
- Ear Cushions
- Earphone Housings
- Flexible Boom
- Removable Microphone Boom



Image 2.1: The Telex Airman 750 Aviation Headset, showcasing its lightweight design and microphone boom.



Image 2.2: Packaging for the Telex Airman 750 Headset, displaying the model number 64300-200.

3. SETUP

The Telex Airman 750 is designed for fixed-wing General Aviation (GA) aircraft and utilizes a dual plug connector type (PJ-068 & PJ-055 equivalent). This headset is not intended for Airbus aircraft, which typically require an XLR-5-12C connector.

Connecting the Headset:

1. Locate the dual plugs on the headset cable. These consist of a larger plug (PJ-068 equivalent) for the headphone audio and a smaller plug (PJ-055 equivalent) for the microphone.
2. Identify the corresponding jacks in your aircraft's cockpit. The larger jack is for audio, and the smaller jack is for the microphone.
3. Carefully insert the larger plug into the audio jack until it is fully seated.
4. Carefully insert the smaller plug into the microphone jack until it is fully seated.
5. Ensure both plugs are securely connected to prevent intermittent communication.



Image 3.1: The Telex Airman 750 Headset showing the dual GA plugs (PJ-068 and PJ-055 equivalents) for standard fixed-wing aircraft connections.

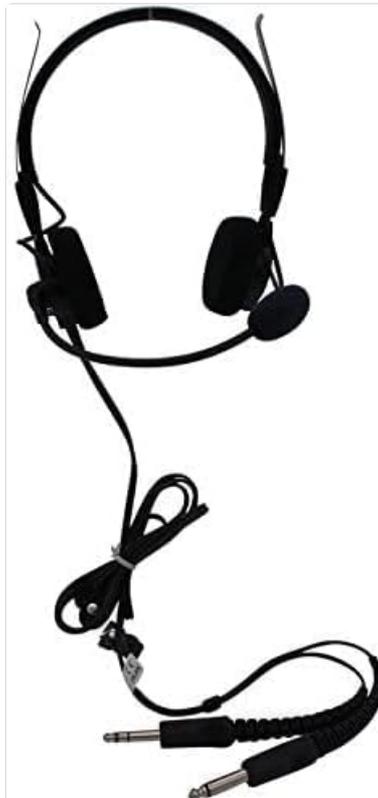


Image 3.2: A close-up view of the dual plugs on the Telex Airman 750 headset, ready for connection to an aircraft's intercom system.

4. OPERATING INSTRUCTIONS

Wearing the Headset:

- Adjust the headband to fit comfortably over your head. The padded headband should rest gently on your

crown.

- Position the earcups so they fully enclose your ears, ensuring a good seal for optimal passive noise reduction.

Microphone Adjustment:

- The flexible boom microphone can be adjusted to your preferred position.
- Position the microphone approximately 1/4 to 1/2 inch (0.6 to 1.3 cm) from your lips, slightly to the side, to minimize breath noise while ensuring clear voice pickup.

Volume Control:

- The headset features a single volume control. Adjust this dial to achieve a comfortable listening level for incoming audio.

5. MAINTENANCE

Proper care and maintenance will extend the life of your Telex Airman 750 headset.

Cleaning:

- Wipe the headset's exterior surfaces with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- Periodically inspect and clean the ear cushions. Replace them if they show signs of wear or damage to maintain comfort and noise reduction effectiveness.
- Ensure no moisture enters the microphone or speaker components.

Storage:

- Store the headset in a clean, dry place, away from direct sunlight and extreme temperatures.
- Avoid coiling the cables tightly to prevent damage.

6. TROUBLESHOOTING

If you encounter issues with your Telex Airman 750 headset, refer to the following common troubleshooting steps:

No Audio / Intermittent Audio:

- **Check Connections:** Ensure both dual plugs are fully and securely inserted into the aircraft's jacks.
- **Adjust Volume:** Verify the headset's volume control is not set to minimum.
- **Aircraft Intercom:** Confirm the aircraft's intercom system is powered on and functioning correctly. Test with another known-good headset if available.

No Microphone Transmission:

- **Check Microphone Position:** Ensure the microphone is correctly positioned near your mouth.
- **Microphone Plug:** Verify the microphone plug (smaller of the dual plugs) is securely connected.
- **Aircraft Intercom:** Check the aircraft's intercom settings for microphone activation (e.g., Push-To-Talk

button functionality).

Poor Audio Quality / Excessive Noise:

- **Earcup Seal:** Ensure the earcups form a tight seal around your ears. Adjust the headband if necessary.
- **Microphone Hum:** The noise-cancelling microphone is designed to reduce hum. If excessive hum persists, check for proper microphone positioning and connections.
- **Aircraft Electrical System:** Noise can sometimes originate from the aircraft's electrical system. Consult with aircraft maintenance personnel if suspected.

7. SPECIFICATIONS

Feature	Specification
Product Name	Telex Airman 750
Model	Airman 750 (64300-200)
Manufacturer	Telex
Impedance	150-600 ohms (+/-20%)
Speaker Sensitivity	90 dB SPL/mW @ 1 kHz
Speaker Frequency Response	100 Hz - 3 kHz
Microphone Sensitivity	-51 dB re: 1 V/ μ bar @ 1 kHz, 12 VDC
Cord Length	Approximately 5.5-8 feet (1.7-2.4 meters)
Noise Reduction	Passive
Power Requirements	Via boom microphone
FAA TSO Approvals	C57a and C58a
Weight	Approximately 2.3-3.2 ounces (65-91 grams)
Connector Type	PJ-068 & PJ-055 equivalent
Color	Black
Material	Stainless Steel
Product Dimensions	9 x 4 x 6 inches

8. WARRANTY AND SUPPORT

This product is provided "AS IS" without warranty of any kind from Telex or seller, either expressed or implied. For any questions or support, please refer to the seller or manufacturer's official channels.

