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› AVCOMM AC-2EX Expandable 2-Place Intercom User Manual

AVCOMM AC2EX

AVCOMM AC-2EX Expandable 2-Place Intercom User Manual

Model: AC2EX

INTRODUCTION

Thank you for choosing the AVCOMM AC-2EX Expandable 2-Place Intercom. This manual provides essential information for the proper setup, operation, and maintenance of your intercom system. The AC-2EX is a compact, portable, and expandable intercom designed for reliable communication in aviation environments. It supports both mono and stereo headsets and can be powered by two 9V batteries or a 12-28V DC source.



Figure 1: The AVCOMM AC-2EX Expandable 2-Place Intercom. This image displays the compact unit, highlighting its portable design and primary controls.

SETUP

1. Power Source Installation

The AC-2EX can be powered by two 9V batteries or an external 12-28V DC power source.

- **Battery Installation:** Open the battery compartment located on the back or bottom of the unit. Insert two fresh 9V alkaline batteries, ensuring correct polarity. Close the compartment securely.
- **External DC Power:** Connect a compatible 12-28V DC power adapter (not included) to the DC input jack on the intercom. Ensure the power source is stable and within the specified voltage range.

2. Headset Connection

Connect your aviation headsets to the designated headset jacks on the AC-2EX. The intercom supports both mono and stereo headsets.

- Ensure the headset plugs are fully inserted into the corresponding microphone and headphone jacks.
- For optimal performance, use high-quality aviation headsets.

3. Expansion Module (Optional)

To expand the intercom from two to four places, connect the optional AVCOMM AC-2XM module (sold separately) to the expansion port on the AC-2EX. Refer to the AC-2XM manual for specific connection instructions.

OPERATING INSTRUCTIONS

1. Powering On/Off

Locate the power switch on the unit. Toggle it to the "ON" position to power on the intercom. The Power-Transmit LED will illuminate. Toggle to "OFF" to power down.

2. Volume Control

Adjust the individual volume controls for each headset position to achieve a comfortable listening level.

3. Pilot Priority PTT (Push-to-Talk)

The AC-2EX features Pilot Priority PTT. When the pilot activates their Push-to-Talk button, all other intercom communications are temporarily muted, ensuring clear transmission from the pilot.

4. Stuck Mic Indicator

The intercom is equipped with a "Stuck Mic" indicator. If a microphone remains open for an extended period (e.g., due to a faulty PTT switch or accidental activation), this LED will illuminate to alert users, preventing continuous transmission and potential radio interference.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the intercom. Do not use liquid cleaners or solvents, as these can damage the unit.
- **Battery Replacement:** If using battery power, replace both 9V batteries when the Power-Transmit LED dims or

audio quality degrades. Always replace both batteries simultaneously.

- **Storage:** When not in use for extended periods, remove the batteries to prevent leakage and store the intercom in a cool, dry place.
- **Cable Inspection:** Regularly inspect all cables and connectors for signs of wear or damage. Replace any damaged components immediately.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power / Power LED off	Dead batteries or incorrect DC power connection.	Replace 9V batteries or check DC power adapter and connection.
No audio / Low audio	Headset not fully plugged in, volume too low, or faulty headset.	Ensure headsets are fully connected. Adjust volume controls. Test with a different headset if available.
Intermittent audio / Static	Loose connections, damaged cables, or interference.	Check all cable connections. Inspect cables for damage. Move away from potential sources of electromagnetic interference.
Stuck Mic indicator illuminated	Microphone stuck in transmit mode.	Check all PTT buttons for proper release. Inspect microphone cables and connectors.

SPECIFICATIONS

- **Model:** AVCOMM AC-2EX
- **Type:** Expandable 2-Place Portable Intercom
- **Dimensions:** Approximately 5.1" x 2.85" (13 cm x 7.2 cm)
- **Weight:** Approximately 14.1 ounces (400 grams)
- **Power Source:** Two 9V batteries or 12-28V DC external power
- **Headset Compatibility:** Mono or Stereo Aviation Headsets
- **Features:** Pilot Priority PTT, Stuck Mic Indicator, Power-Transmit LED
- **Expansion:** Compatible with AVCOMM AC-2XM module for 4-place operation
- **Included Components:** 1 x AVCOMM AC-2EX Audio Interface

WARRANTY AND SUPPORT

Warranty Information

The AVCOMM AC-2EX Intercom comes with a full three-year factory warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, please refer to the official AVCOMM website or contact customer support.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact AVCOMM customer support.

- **Website:** [www.avcomm.com](#) (Example link, replace with actual if available)

- **Email:** support@avcomm.com (Example link, replace with actual if available)
- **Phone:** Refer to the AVCOMM website for regional contact numbers.

