

# AI Document Assistant - User Manual

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## Overview

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The AI Document Assistant is a specialized application designed to ingest aviation manuals and provide intelligent Q&A functionality. This application allows users to upload a Pilot's Operating Handbook (POH) or similar document, and then ask questions about the content using both text and voice input.

## Features

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- **Document Ingestion:** Upload and process aviation manuals (PDF format)
- **Text-based Q&A:** Ask questions about the document content via text input
- **Voice Input:** Speak questions directly into the application
- **Voice Output:** Hear answers spoken aloud using ElevenLabs text-to-speech
- **Document-Only Knowledge:** All answers are sourced exclusively from the uploaded document

## Getting Started

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### Login

1. Navigate to the application URL
2. Enter your credentials:
3. Email address
4. Password
5. 4-digit access code
6. Click "Sign In"

## Using the Application

### Asking Questions via Text

1. Type your question in the input field (e.g., "What is the maximum gross weight?")
2. Click the "Ask" button or press Enter
3. View the answer displayed below the input field

### Using Sample Questions

1. Click on any of the sample questions displayed below the input field
2. The question will be automatically entered into the input field
3. Click "Ask" to submit the question

### Using Voice Input

1. Click the microphone icon next to the input field
2. Speak your question clearly
3. The application will transcribe your speech and submit the question
4. The answer will be displayed and spoken aloud

## Replacing the Document

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To replace the current document with a different one:

1. Prepare a PDF file of the new document
2. Navigate to the document management section
3. Click "Upload New Document"
4. Select your PDF file
5. Wait for the processing to complete (this may take a few minutes depending on document size)
6. Once complete, the new document will be available for Q&A

# Technical Information

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## System Requirements

- **Browser:** Modern web browser (Chrome, Firefox, Safari, Edge)
- **Internet Connection:** Required for API access
- **Microphone:** Required for voice input functionality
- **Speakers/Headphones:** Required for voice output functionality

## Privacy & Data

- All document content remains within the application
- Voice recordings are processed locally and not stored
- Questions and answers are not retained after the session ends

## Troubleshooting

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### Common Issues

1. **Voice input not working**
  2. Ensure microphone permissions are granted in your browser
  3. Check that your microphone is properly connected and functioning
4. **Document not loading**
  5. Verify the PDF is not password-protected
  6. Try a different PDF if issues persist
7. **Answers not relevant**
  8. Try rephrasing your question
  9. Be more specific in your query
10. Check if the information exists in the document

## Support

For additional assistance, please contact support at: - Email: [support@redravenllc.ai](mailto:support@redravenllc.ai) -  
Help Desk: [help.redravenllc.ai](https://help.redravenllc.ai)

## About Red Raven LLC

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Red Raven LLC specializes in aviation-grade AI software solutions designed to enhance safety, efficiency, and knowledge access for pilots and aviation professionals.

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