

Publications and Training Solutions

Course Syllabus: 523-0822289

COURSE TITLE: Airshow 4XX(X)
Dealer Training

PREREQUISITES:

Students should have a basic knowledge of aircraft avionics systems (Flight Management System (FMS), Air Data System (ADS), and Phone Systems), familiarity with testing and troubleshooting avionics systems, an understanding of electronics, an ability to read schematic diagrams, and a working command of the English language. Students should be familiar with MS Windows® based Operating Systems (XP/7) and DOS commands.

PURPOSE:

This course provides line maintenance personnel with sufficient information to operate, install, maintain and troubleshoot common issues on the Airshow 4XX(X) system. This course focuses on Airshow 4XX(X) product knowledge, and does not address customer specific procedures or policies.

OBJECTIVES: Upon completing this course, the student should be able to:

1. Effectively and efficiently perform operation, installation, maintenance and troubleshooting activities on the Airshow 4XX(X) system.

COURSE LENGTH: 6 Hours

REFERENCES:

- | | |
|--|-------------|
| 1. Airshow 400 Installation Manual | 523-0812686 |
| 2. Airshow 410 Installation Manual | 523-0813919 |
| 3. Airshow 4000 Digital Media Server (DMS) Installation Manual | 523-0813588 |
| 4. Applicable Service Bulletins (SB) and Service Information Letters (SIL) | |

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COURSE OUTLINE

0. Welcome & Introductions

- A. Training Overview

1. Airshow Moving Map Overview

- A. Purpose
- B. Terms

2. System Description

- A. Airshow 4XX(X) Equipment, Capabilities, and Features
- B. Identification, Controls and Indicators, and Internal and External Interfaces

3. Component Overview

- A. Data Communications Unit
- B. Flight Deck Controller

4. System Communication

- A. ARINC Communication
- B. RS-232 and 485 Communication

5. Installation Highlights

- A. Tray Installation
- B. Connections to SATCOM and/or Phone System
- C. Connections to FMS and ADC
- D. Required Tools and Procedures

6. Initial System Checkout

- A. System Settings and Adjustments
- B. Ground Test Procedure

7. Troubleshooting

- A. No Video
- B. No Audio

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- C. No Maps
- D. Aircraft Symbol Pointing Incorrectly
- E. No Genesys Data Upload
- F. Maintenance Screens

EQUIPMENT TYPE:

EQUIPMENT	NOMENCLATURE	PART NUMBER
Airshow 400 1/2 ATR Mount Digital Interface Unit	DIU	92005X
Airshow 400 Flange Mount Digital Interface Unit	DIU	920040
Airshow 410 1/2 ATR Mount Digital Interface Unit	DIU	920055
Airshow 4000 Digital Media Server	DIU	925000-100