

# FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT

FOR

## Installation of an XM Radio System

IN THE

## Cessna Model 525 and 525A CitationJet Airplanes

**Doc. No.: CDP2333-00006; REVISION: IR**

This AFMS is applicable to an XM Broadcast Radio System Receiver, Antenna and Control Head in Cessna Model 525 and 525A Aircraft.

The information in this supplement is FAA approved material and must be attached to the Pilot's Operating Handbook and FAA Approved Airplane Flight Manual when the airplane has been modified by installation of the XM Broadcast Radio System in accordance with Heads Up Technologies, Inc., Supplemental Type Certificate No. **SA10245SC** approved data.

The information contained herein supplements or supersedes the information in the basic Airplane Flight Manual only in those areas listed herein. For limitations, Procedures and Performance information not contained in this Supplement, consult the basic Airplane Flight Manual.

Approved:


  
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*For*

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**HEADS UP TECHNOLOGIES**2033 Chennault Dr., Suite 100  
Carrollton, Texas 75006-5097**AFMS for an XM RADIO SYSTEM  
in Cessna Model 525 and 525A Aircraft  
Doc No.: CDP2333-00006 Rev. IR****RECORD OF REVISIONS**

This "Record of Revisions" identifies all revisions to this document. When changes to this document are needed, revisions will be issued by the Applicant.

This "Record of Revisions" shall remain in this document at all times. Upon the receipt of revisions, insert the revised page(s) into this document and enter the revision number, revision date, insertion date and signature of person incorporating the revision into the document in the appropriate spaces below.

Revision Number	Pages Affected	Revision Date	FAA Approved By
IR	1-7	July 6, 2004	 S. Frances Cox Manager, Special Certification Office – ASW-190 DOT Federal Aviation Administration 2601 Meacham Blvd. Ft. Worth, TX 76137



## TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
TITLE PAGE .....	1
<a href="#"><u>RECORD OF REVISIONS</u></a> .....	2
<a href="#"><u>TABLE OF CONTENTS</u></a> .....	3
<a href="#"><u>SECTION I – GENERAL</u></a> .....	4
<a href="#"><u>SECTION II – LIMITATIONS</u></a> .....	4
<a href="#"><u>SECTION III – EMERGENCY PROCEDURES</u></a> .....	4
<a href="#"><u>SECTION IV – NORMAL PROCEDURES</u></a> .....	5
<a href="#"><u>SECTION V - PERFORMANCE</u></a> .....	5
<a href="#"><u>SECTION VI - WEIGHT AND BALANCE</u></a> .....	5
<a href="#"><u>SECTION VII – SYSTEM DESCRIPTION</u></a> .....	5
<a href="#"><u>SECTION VIII – HANDLING SERVICING AND MAINTENANCE</u></a> .....	7
<a href="#"><u>SECTION IX – SUPPLEMENTS</u></a> .....	7
<a href="#"><u>SECTION X – SAFETY INFORMATION</u></a> .....	7

**HEADS UP TECHNOLOGIES**

2033 Chennault Dr., Suite 100  
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## **SECTION I – GENERAL**

The XM Radio Satellite Broadcast Radio System is a satellite broadcast radio receiver providing passenger-selected satellite broadcast audio entertainment in the cabin.

The system primarily is for passenger entertainment in the cabin. The audio output is terminated into a junction box to allow interfacing with numerous approved cabin entertainment and cockpit audio systems.

## **SECTION II – LIMITATIONS**

No change from the basic Airplane Flight Manual.

## **SECTION III – EMERGENCY PROCEDURES**

### **EMERGENCY PROCEDURES**

No change from the basic Airplane Flight Manual.

### **ABNORMAL PROCEDURES**

No change from the basic Airplane Flight Manual.

### **ADVERSE CONDITIONS**

No change from the basic Airplane Flight Manual.

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Doc No.: CDP2333-00006 Rev. IR**SECTION IV – NORMAL PROCEDURES****1. DETAILED OPERATING PROCEDURES**

Normal operating procedures are described in the XM Radio Control Head User Manual, Heads Up Technologies' Document No. XMC-4, Initial Issue, dated April 7, 2003 or later appropriate revision.

Operating procedures for the remote controller are described in the XM Radio Remote Controller User Instructions, Document No. CDP2333-00012, Initial Release, dated March 1, 2004, or later appropriate revision.

**2. COCKPIT MONITORING**

Reception from the XM Radio can be monitored by either pilot via his cockpit Audio selection panel.

**3. XM RADIO CIRCUIT PROTECTION**

There is no master switch for the XM Radio System. The following circuit breakers are associated with the XM Radio System:

<b>CB NAME</b>	<b>AMPS</b>	<b>LOCATION</b>	<b>BUS</b>
XM	5	Pilot's side circuit breaker panel	Avionics DC

**SECTION V - PERFORMANCE**

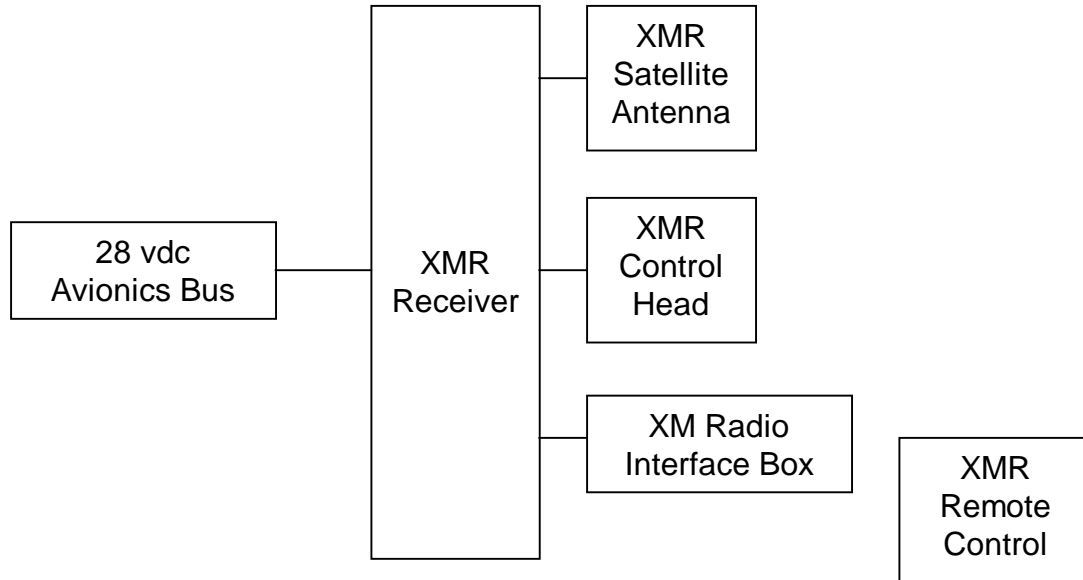
There is no change to the basic airplane performance.

**SECTION VI - WEIGHT AND BALANCE**

The weight and balance data and aircraft equipment list have been revised to reflect the installation of the XM Radio System and have been inserted into the basic airplane flight manual.

**SECTION VII – SYSTEM DESCRIPTION****1. XM RADIO SATELLITE BROADCAST RADIO SYSTEM**

The XM Radio System includes a Receiver, Antenna and Control Head. The system receives XM radio signals transmitted from two geosynchronous XM broadcast satellites and then processes the two signals to provide digital quality audio and information to aircraft passengers while traveling anywhere within the contiguous United States of America.



**Simplified System Diagram**

## 2. CONTROL HEAD

The Control Head, as illustrated in Figure 1, provides system information and operational control capability of the XM Radio system.



Figure 1

**HEADS UP TECHNOLOGIES**

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**3. REMOTE CONTROLLER**

An infra-red remote controller is provided for an additional means of controlling the XM Radio System.

**SECTION VIII – HANDLING SERVICING AND MAINTENANCE**

There is no change to the basic Airplane Flight Manual.

**SECTION IX – SUPPLEMENTS**

This supplement should be inserted into the “Supplement” section of the basic airplane flight manual.

**SECTION X – SAFETY INFORMATION**

There is no change to the basic Airplane Flight Manual.