

**BendixKing**



## MST 70B

ADS-B Compliance – *Made Easy*

# ADS-B Compliance. *Made Easy.*

## Background:

BendixKing's MST 70B is the simplest way to make your MST 67A Mode S transponder equipped business aircraft compliant with the global ADS-B OUT mandates as an integral part of your BendixKing CAS TCAS II system. It brings new capabilities to your current traffic and surveillance system with a transition to ADS-B OUT.

With airspace becoming increasingly crowded; situational awareness mandates by global international regulatory agencies are being approved every year. Automatic Dependent Surveillance-Broadcast (ADS-B) is one such mandate that becomes effective starting on January 1, 2020 for the airspace that has adopted FAA rules. Other countries have also issued ADS-B OUT mandates requiring similar compliance.

The MST 70 B retrofit of the MST 67A provides the following additional benefits:

- Form factor compatible retrofit for your existing BendixKing MST 67A Transponder
- ADS-B OUT certified for installation in the popular BendixKing TCAS II systems and most popular business legacy aircraft
- Simplified installation using existing MST 67A rack and connector reducing installation cost and aircraft downtime
- Meets global ADS-B OUT mandate requirements
- Lightweight and low power consumption

The MST 70B is an ADS-B OUT retrofit solution for aircraft that currently use the MST 67A Mode S transponder. It was designed to use the existing mounting rack and connectors for a quick and easy installation.

MST 70B Specifications	
Length	12.62 in. (320.5 mm)
Width	2.25 in. (57.15 mm)
Height	7.62 in. (193.5 mm)
Maximum Weight	5.5 lbs. (2.5 kg)
Operating Voltage	+18.0 V to +30.3 V dc (+27.5 V dc nominal); Receive mode: 1 A nominal at 27.5 V dc
Current	Transmit mode: 2 A nominal at 27.5 V dc
Power Consumption:	
Standby Mode (No Replies)	28 Watts nominal at +27.5 V dc
Active Mode (Maximum Load)	55 Watts maximum at +27.5 V dc
External Circuit Breaker Rating	5 A at +27.5 V dc
Cooling Requirements	Fan installed on unit
Tray Connector	ARINC 404A 2 Ganged Connector w/ Signal Pins (DSX2H24S35X0001) or BendixKing Part Number 030-03106-0000 ARINC 404A, Type DPX2MA, connector hood
Mounting	B/E Aerospace part number MT4-1000S (or MT4-1001S) or BendixKing Part Number 047-09406-0014
Environmental	DO-160G
TSO/JTSO	C112d, C166b/C112d
Software	ARINC 404A, 1/4 ATR Short
Transp. Data Link Capability	ICAO Level 3 (COMM-A/B/C)
ADS-B Capability	1090ES Extended Squitter per RTCA DO-260B MOPS for 1090 ADS-B Equipment
Power Consumption	28 Watts (standby), 55 Watts (maximum)
No. of Antenna Ports	2 (diversity)

For details of the equipment certified to be paired with the MST 70B please go to [www.bendixking.com](http://www.bendixking.com).

## Find Out More

To learn more, call 1.855.250.7027, see your local BendixKing dealer or visit [bendixking.com](http://bendixking.com)

## BendixKing

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A60-1522-000-000 | 2/17  
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