

# 630A Audio Storage & Playback Unit

**COBHAM**

Aural Warning Generator

Data Sheet

The most important thing we build is trust



**SATISFIES REQUIREMENTS FOR  
INCREASED AIRCRAFT ALERTS**



- Increased aircraft alert capacity
- Fully customer-programmable
- Built-in testing capability
- Approved to TSO-C139 requirements
- Single part number for multiple aircraft models/specifications



# 630A Audio Storage & Playback Unit

Aural Warning Generator

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## Product Features

The 630A is Cobham's most advanced audio alert & notification system. The new Audio Storage & Playback Unit (ASPU) goes beyond a simple aural warning generator and provides multi-channel, digital audio playback of tones and voice messages to the cockpit and cabin. The 630A meets the requirement for increased aircraft alert capacity, and is also a replacement for Cobham's 630-xxx aural warning generators.

### Increased Alert Capacity

The 630A now features up to 96 alerts based on 24 alert trigger discrettes. Each alert trigger can generate up to four alerts: voice, tone and combination. Aircraft pilot and co-pilot sides may have individually-customized and prioritized alerts or advisory messages. Muting of chimes, briefing messages and background joins new features of pause, cancel and alert test to deliver unmatched flexibility.

### Enhanced Customer Programmability

Operators and installers have the greatest flexibility to customize the audio alerts by selecting each tone, chime or voice message used from a library of saved alerts or creating and loading customized .wav files. This solution creates cost and schedule savings by eliminating factory set up fees, simplifying spares provisions and removing engineering time for customized units.

Programming is quick and simple thanks to PC and USB interfaces, and a password protection feature ensures that operators cannot alter an installer's configuration. Each alert trigger can be prioritized and can activate up to four responses in the cockpit or cabin: music, tones, messages or indicator lamp with customized behavior. This reduces installation complexity and enhances flight safety through increased pilot situational awareness.

### Outstanding Feature Set

- Standard Microsoft Windows audio alert .wav files. The installer may create and load their own files.
- Fully installer-programmable alert volume levels.
- Built-in test capability to diagnose faults and report to the aircraft maintenance computer via RS-422.
- Full compatibility with the original Model 630, so it's retrofitable to existing aircraft harness and mounting.

### Technical Specifications

Width:	4.96 in. (126 mm)
Height:	7.81 in. (198 mm)
Length:	1.68 in. (43 mm)

Not including cable exit and bend radius.

Max Weight:	1.25 lbs. (0.57 kg)
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### Electrical Specifications

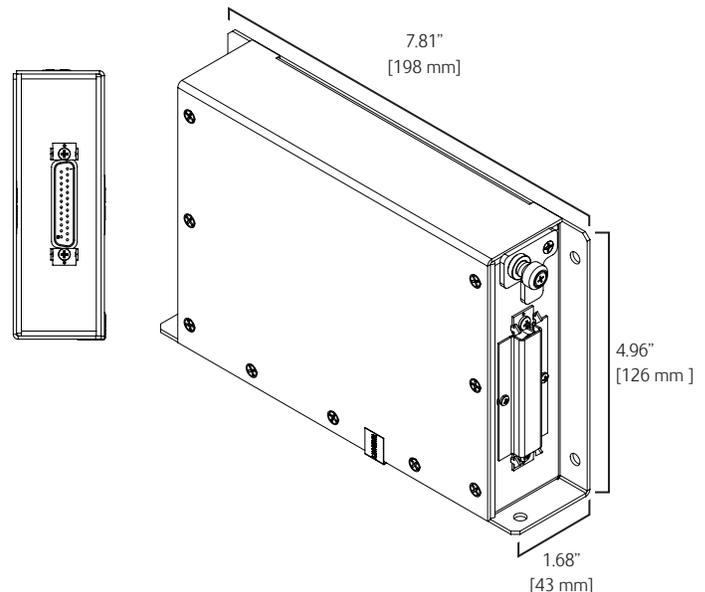
Noise:	<-50 dB (-70 dB typical)
Total Harmonic Distortion (THD+N):	<3% (<1% typical)
Frequency Response:	
Audio I/O:	Flat-to-within 3 dB from 300 MHz to 6 kHz
Audio Outputs - Playback Messages:	Flat-to-within 3 dB from 300 Hz to 15 kHz
Crosstalk:	-80dB (typical)

### Environmental Specifications

Operating Temperature:	-55°C to +70°C
Operating Altitude:	55,000 feet (16,764 m)

### Environmental Test Specifications

TSO C50c Compliance: Meets the performance requirements of RTCA DO-214 while testing to the environmental conditions of RTCA DO-160F.



For further information please contact:

Cobham Aerospace Communications  
6400 Wilkinson Drive  
Prescott, AZ 86301 USA

T: +1 (928) 708-1550  
F: +1 (928) 541-7627  
E: sales.prescott@cobham.com

Cobham Aerospace Communications  
35, rue de Monthéry  
Silic - BP 20191  
94563 Rungis Cedex France

T: +33 1 49 78 66 00  
F: +33 1 49 78 66 99  
E: sales.rungis@cobham.com