

Model 343

Audio Control Panel

2009 Data Sheet

COBHAM

The most important thing we build is trust

The Model 343 Audio Control Panel has been designed for today's modern fighter trainer aircraft. It provides cockpit audio control functions for one pilot, with additional interphone capability for a RAMP (ground) operator. All audio signal management and processing is done in the Model 343, eliminating the need for a remote mounted audio management unit. This provides reduced acquisition and installation costs, and reduced system weight without sacrificing any system performance.

The Model 343 is capable of receiving input from up to 9 receivers, 5 auxiliary (AUX) unswitched inputs, a pilot headset microphone, and a RAMP operator microphone. The pilot interphone microphone is voice activated (VOX) or keyed and the RAMP operator interphone microphone is keyed. A bi-directional interphone line provides intercom capability between multiple Model 343 Audio

Control Panels. Support is provided for two headphones; one for the pilot operator and one for the RAMP operator.

The Model 343 also supports four transceivers with HOTAS (Hands On Throttle And Stick) capability, and has CVR and VCR outputs. An integrated aural warning generator circuit is contained within the Model 343 to play pre-recorded voice or tone warnings to the pilot operator. The Model 343 also provides EMERGENCY and BACKUP modes of operation to allow continued (limited) operation in the event of a failure in the main circuits.

The pilot and RAMP microphone inputs are amplified dynamic microphone compatible. For compatibility with unamplified dynamic microphones such as military M-87 or M-101 types, a microphone adapter such as the Model 263 Microphone Amplifier will be required. The pilot mic input is provided for connection of a

headset boom type microphone for transmitter and INPH communications. Pilot mic VOX threshold level is adjusted by rotating the VOX control knob. The RAMP mic input is designed for interphone use only.

Two headphone outputs have the capability to interface to standard commercial or military headphones with a maximum load rating as low as 4 ohms. The pilot and ramp headphone outputs are driven by separate amplifiers. The pilot headphone amplifier feeds two outputs, one for 150 ohm to 600 ohm headphones and another for 8 ohm phones.

The Model 343 is designed with a flexible control and front panel configuration to meet a variety of customer specific operational needs. The front edge lit panel is available with NVIS (Night Vision Compatible) or standard incandescent lighting.



Features:

- Radio specific on/off volume controls
- VOX and Keyed interphone
- HOTAS capability
- Integrated aural warning generator
- NVIS compatible lighting (optional)
- Integrated ICS CALL system
- EMER and Backup modes
- CVR output
- Recorder output

Mechanical:

Height	2.25"
Width	5.75"
Depth	5.00" excluding mating connectors
Weight	2.2 lbs. (max.)

Compliance:

D0-214 and D0-160D
Env. Cat. [(A2)(F2)]-BBB[TU]XRDFSZ[BZ]AZARM[XXC4]XXA

Model 343 Audio Control Panel(s) are currently subject to US International Traffic in Arms Regulations (ITAR). They may not be exported, transferred, transshipped, or otherwise disposed of in any other country either in original form or after being incorporated into other articles without prior written approval of the US Department of State.

For further information please contact:

Cobham Avionics
Communications
14 - 1925 Kirschner Road
Kelowna, BC Canada V1Y 4N7
Tel: (888) 763-2232
Fax: (250) 762-3374