Fortress Flight Recorders

Aircraft often have safety concerns that can, or in many cases must, be addressed with a suitable crash protected recording solution. Flight recorders can meet these needs, but the introduction of new regulations may mean existing solutions no longer meet the requirements. Other aircraft OEMs and operators find they lack a recording solution with the functionality to help address high maintenance costs.

Curtiss-Wright has been designing flight recorders for over 60 years. Fortress, our latest product line, meets all current and anticipated regulations, including ED-112A and 25-hour voice / datalink recording. Additionally, it is a highly flexible platform with the ability to collect and process custom data sets for various applications including maintenance operations.

Fortress features include

+ Standalone or combined voice, data, datalink, and image recording to enhance flexibility and minimize SWaP
+ Custom interface, form factor and data acquisition options to meet aircraft and application requirements
+ Full ED-112A compliance that exceeds 25-hour cockpit voice recorder (CVR) requirements
+ Integrated webserver for fast and free data download
+ 90-day underwater locator beacon (ULB)

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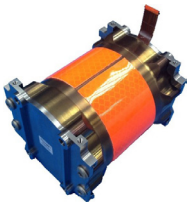
TRUSTED
PROVEN
LEADER

Fortress Models

The Fortress flight recorder family was designed to meet the unique requirements of different aircraft without expensive customization and NRE. All Fortress flight recorders are based on the same core electronics and software, and almost any specific requirements can be met on each model. Find your perfect fit among our selection of field-proven Fortress flight recorders.

757	DAFR	CPMM	LITE	OEM	CSR
Off-the-shelf Replacement for Fast Deployment	Broad Range of Interfaces for Data-Driven Applications	Crash Protected Memory Module for Custom Developments	Basic Functionality for Low Cost Solutions	Additional Computational and Data Functions for Custom Applications	ARINC 404A Combined CVR/FDR with Removable Memory
Standard ED-112A flight recorder. Ideal for replacing ARINC 757 recorders, including MPFRs (form and fit compatible). Provides the longest record duration and highest quality audio of any recorder on the market.	Acquires more data than mandatory using sensor interfaces or off busses such as ARINC 429, ARINC 664 or Ethernet. Removes need for Flight Data Acquisition Unit.	Ideal for those without in-house resources to develop flight recorders or protected storage solutions.	Ideal for those looking for an inexpensive, basic recorder. Standard ARINC form factor (1/2 ATR).	Ideal for those looking for a custom recorder using some of their own electronics or another Curtiss-Wright module (such as HUMS, encryption, or GADSS solution).	Acquires more data than mandatory and has an additional integrated removable media for fast data access.

Flight Recorder Accessories

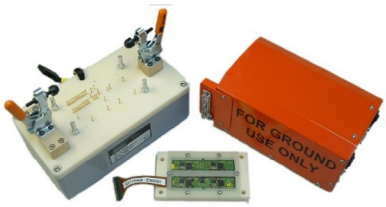
RIPS: Recorder Independent Power Supply
Supplies continuous power to the CVR for 10 minutes after power is lost.

CCU: Cockpit Control Unit
Control unit for your flight recorder providing an interface for the crew.

PGS: Flight Data Replay Software
Recreates flight in graphical, tabular, aural, and visual format.

CAM: Cockpit Area Microphone
For recording ambient sounds in the cockpit. Interfaces directly with crash recorder.

CAC: Cockpit Area Camera
Color H.264 HD camera with Ethernet interface. Can be mounted anywhere in the cockpit to capture instrument displays and switch settings.



CDRE: Crash Damaged Recovery Equipment
Provides a means of recovering data in the event of damage to a recorder following an accident.