

COCKPIT VOICE & FLIGHT DATA RECORDER DEVICE INTERFACE (RDI)

Easily access and download aircraft recorder data

THE RECORDER DEVICE INTERFACE UTILIZES A SIMPLIFIED MISSION-CRITICAL WORKFLOW AND ALLOWS OPERATORS TO SECURELY REMOVE DATA WITHOUT UNINSTALLING THE DEVICE FROM THE AIRCRAFT.

The RDI delivers an advanced, portable download tool for retrieving voice and flight recorder data from the aircraft securely and quickly. This innovative tool supports 1GB Ethernet of data, enabling faster download speeds required to support the new 25-hour mandate for cockpit voice recording, including the new L3Harris SRVIVR25™ series.

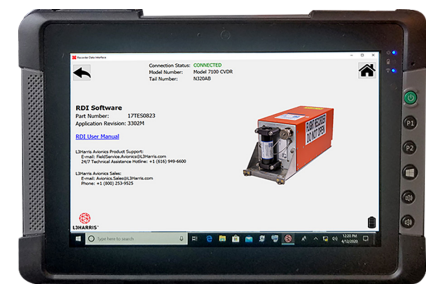
Designed with input from airlines and OEMs, the RDI application has an intuitive user interface and easy workflow menus that do not require special training to perform key tasks. Operators can quickly retrieve cockpit voice, datalink, flight data and fault logs without removing the recorder from the aircraft. In addition, there are live monitoring features that can be used to quickly validate the audio channels/microphones and the FDR data parameters for real-time troubleshooting on the aircraft.

All files are securely retrieved and stored on the RDI device to protect the integrity and confidentiality of its contents. Various license options are offered to decrypt and convert files to standard formats on the RDI. Additional licenses allow operators the ability to transfer the files to the flight department as well as upload the files to secure on-line portals. The secure files include .wav files for the audio channel, .dlk for datalink and various A717 formats for flight data.

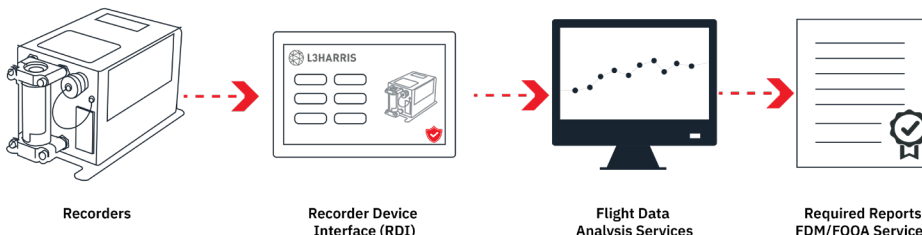
Alternatively, the secure files can be transmitted to L3Harris Data Services through an optional subscription for fast turnaround times for audio intelligibility and regulatory checks and/or Flight Operations Quality Assurance (FOQA) programs.

DESIGNED FOR TECHNICIANS

The RDI is a ruggedized tablet compliant to IP65 and MIL-STD-810G standards to withstand harsh environments. Users do not need any specialized training to operate the device. The ergonomically designed tablet easily fits into one hand, weighs less than two pounds and provides a touchscreen configured to capture finger, glove and pen contact. The intuitive interfaces use logical, simplified menus based on collaboration with maintenance operator requirements to provide technicians quick at-wing and ground support services.



- > Provides data protection and security
- > Minimizes data storage needs
- > Reduces training costs
- > Enables fast data analysis
- > Reduces in-house staff needed for recorder analysis
- > Simple 8.1 inch tablet using Windows 10
- > Touchscreen interface is sunlight readable
- > Uses simplified, logical work flow-driven menus
- > Ethernet and WiFi network capabilities
- > Enables specific recorder diagnostics:
 - Status of FDR, CRV, datalink functions
 - Monitoring of live FDR data
 - Live audio monitoring
 - Retrieve recorder fault logs



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EASY MOBILITY

The RDI Kit comes standard with a ruggedized tablet preloaded with the RDI application software, hand-strap, and SRVIVR25 cable all contained in a customized protective hard case.



FUTURE ADAPTABILITY

The RDI currently supports the entire line of L3Harris SRVIVR25 family of cockpit voice and flight data recorders. The RDI will support the L3Harris FA2100 and FA5000 products in the future.

L3HARRIS EXPRESS READOUT AND FLIGHT DATA CONNECT SERVICES

Operators can subscribe to the secure, Cloud-based L3Harris Express Readout services, a patented automated verification of data from the flight data recording devices. The easy-to-use service enables users to upload, analyze and access mandatory reports and multiple flights simultaneously. It provides the most rapid solution for providing readout and intelligibility reports within hours, which meets ICAO, EASA and FAA mandates. Additional services include Flight Data Connect, which provides the capability for analyzing Flight Data Monitoring (FDM)/Flight Operations Quality Assurance (FOQA) parameters and aligning real events to the airlines Standard Operating Procedures (SOP).

SPECIFICATIONS

Computer System

Windows 10: 64 bit, x7-Z8700 1.6GHz processor
Memory: 8GB RAM, 128GB eMMC
VGA Controller: Intel HD graphics
Large Viewing Display: 8.1" (1280 x 800) touchscreen display
Hardware: IP65 Compliant / MIL-STD-810G

Dimensions

8.93"x 5.94" x 0.94" (227 x 151 x 24mm)

Weight

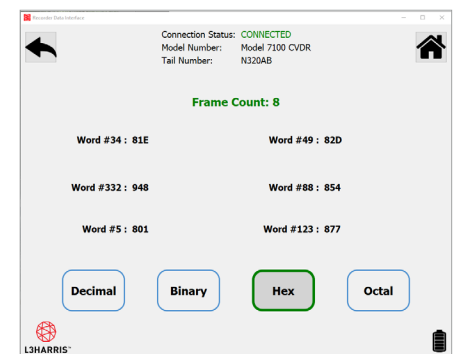
1.94lbs (0.88kg)

Power

AC Adapter: 65W, 100-240VAC, 50/60Hz
Li-ion battery: 7.4V, 4200mAh
Single Life Charge: up to 10 hours of battery life

I/O Interfaces

DC in x 1; USB 3.0 x 1
Docking port x 1
Headphone out/Mic-in combo x 1
Micro HDMI x 1
WiFi



Recorder Data Interface

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