

eADL enhanced Airborne Data Loader

Simplify Data Distribution and Ensure Compliance

By facilitating data transfer between the airline's back-office and on-board avionics equipment, Teledyne Controls' eADL simplifies the distribution, on-board storage and management of Loadable Software Parts (LSP) and databases across an airline's operation.



Convenient On-board Storage

The eADL's internal mass memory provides ample space for on-board storage of all required aircraft LSPs, including applications and databases. This alleviates searching for software disks during line operations and allows the entire contents of the aircraft's software binder or data vault to be carried and stored electronically on every aircraft. This also facilitates LRU replacements and reloading at any line location, and reduces risks of delays and cancellations.

Automated Loadable Software Parts Distribution

The eADL streamlines the dataloading process by eliminating the need to reproduce, distribute and load countless floppy disks every month. Through a single USB memory stick, LSPs can be quickly uploaded to the eADL, alleviating repetitive manual methods. The distribution process can be automated even further with GroundLink® Dataloading, which wirelessly transmits LSPs from the LoadStar® Server Enterprise (LSE) centralized library to the eADL, and returns load activity and aircraft data downloads to the ground.

Easy Installation

The eADL is a plug-and-play drop-in replacement for ARINC 615-3 ADL and for the MDDU. It does not require modification to the existing aircraft provisions and has EASA and FAA approval for stand-alone and wireless GroundLink® Dataloading installations.

ARINC 615A Option

With the rapid increase of data load sizes from kilobytes to gigabytes, airlines rely more and more on ARINC 615A over Ethernet to load their LRUs more rapidly and efficiently. Install kits and STCs are available for the Thales OANS, Honeywell FMGC/FMGEC, Honeywell EGPWS MKV-A, Honeywell Pegasus II FMC, Honeywell NGFMS.

Intuitive User Interface

Selecting desired LSPs, initiating loads, and monitoring the load progress is easy with the eADL's 3.8-inch color LCD display, 4 backlit line-select keys and 3 status indicators. LRUs that require multi-disk loads can now be loaded in one single action, eliminating time-outs and reducing overall dataloading times.

Key Features and Benefits

Features/Capabilities	Benefits
Large 16 GB internal memory storage (MSD) provides on-board retention of a user-configurable library of aircraft software parts	Loading LRUs from MSD eliminates obsolete, unreliable floppies and their duplicating equipment. No more tedious multi-disk loading and on-aircraft binders required.
MSD loading via USB	Faster loading with secure USB drive created by LSE or eADL Connect software utility.
MSD loading via GroundLink® Dataloading	LSPs can be transferred from a centralized location using LSE to the MSD on GroundLink® equipped aircraft to enhance compliance.
User Interface	Easy to use; intuitive with 3.8 inch LCD color display.
“Drop-in” or “plug & play” replacement	Easy installation with no aircraft wiring changes - supports existing ARINC 615 ADL and Airbus MDDU provisions. STCs available for most aircraft types
ARINC 615A option	Faster loading of A615A compatible LRUs.

