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<https://www.avionteq.com/Flight-Data-Systems-HHMPI-FDS40-0301-Data-Transfer-Unit>



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HANDHELD MULTIPURPOSE INTERFACE (HHMPI)

United Kingdom | United States | Australia





FDS OVERVIEW

Innovative end-to-end flight data solutions
for forward and retrofit platforms

Flight Data Systems (FDS) is an international avionics equipment & services provider with 65+ talented specialists working in design, manufacturing, repair, and data.

Established in 1990, Flight Data Systems joined the ACR Group in 2018 which includes aviation brands [ARTEX](#), [SKYTRAC](#), [Latitude Technologies](#), and [FreeFlight Systems](#).

FDS ground support equipment includes the popular Handheld Multipurpose Interface (HHMPI) unit for downloading recorder data from popular recorder brands. FDS airborne

products include the SENTRY flight recorder platform, the Modular Acquisition Unit (MAU), and the Remote Data Concentrator (RDC).

FDS services include flight data monitoring, equipment repair & overhaul, electronics manufacturing & testing, flight data readout services, and logistics management.

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HHMPI AT A GLANCE

Download Tool for Flight Data for Nearly All Recorders on the Market



Versatile:
Capable of downloading all major industry FDRs and CVRs including all L3 and Honeywell Recorders

Widely Adopted:
Utilized by all OEMs, militaries, MROs, and end users

Easy-to-Use:
User friendly and recognized around the globe

Intelligent Functionality:
HHMPI stores aircraft fleet data allowing operators to select specific tail numbers for download

Multiple Transfer Options:
Data transferred to ground station via Ethernet, WiFi, SD Card, USB Flash Drive, Compact Flash, and PC Cards



The Handheld Multipurpose Interface (HHMPI) is a portable shock-resistant tool designed to download data from Flight Data Recorders (FDR) and audio from Cockpit Voice Recorders (CVR). The HHMPI is connected to the recorder via a recorder-specific interface cable which identifies the attached recorder type.

The downloaded data is stored internally or in one of a variety of memory storage options. Data can also be transmitted to a server wirelessly or networked through a charging and communications docking station.

The HHMPI offers significant cost savings to fleet operators who have a variety of CVRs and FDRs in their fleets by using a single download tool for all

recorders. It also provides process consistency in how downloads are performed and how the data is retrieved and stored.

The HHMPI has four different FDR download options including Download All, Download Since Last, Download Memory Mark, and Download Time. In addition, it has two CVR download options: CVR Download All and CVR Download Time.

The HHMPI is capable of downloading from the SENTRY flight recorders and most popular FDRs and CVRs from L3, Honeywell, Universal, and GE.

Flight data files can be transferred from the Flight recorder onto downloadable storage including USB, Compact Flash, SD card and internal memory.

PART #	Description
DF136	Quick reference guide, HHMPI
FDS 40-0107	Cable USB, HHMPI TO PC
FDS 40-0301	HHMPI
FDS 40-0301	HHMPI with Internal Battery
FDS 40-0301	HHMPI with External Battery and PC/MIA Card
FDS 40-0302	USB Flash Drive (2GB)
FDS 40-0303	Compact Flash Card, HHMPI
FDS 40-0304	SD Card, HHMPI
FDS 40-0321	Carry case, yellow
FDS 40-0322	Power Adaptor Kit, Global Charger for Internal Battery
FDS 40-0334	Carry Case, Black

TECHNICAL SPECS.

CAPABILITIES:

- A single HHMPI can interface with most major CVRs and FDRs including legacy recorders using recorder specific cables
- Charging and communications docking station supports automatic download to ground stations
- Multiple HHMPIs can be networked via the docking station to ensure configuration consistency fleet-wide
- Multiple download options including download all, a specific time period, or since last download
- Wirelessly upload data from HHMPI to a server
- Create aircraft lists within the HHMPI for use across your entire fleet
- Powered by the CVR, FDR, or with the internal battery
- Standard Ethernet port for data transfer and secure FTP file transfer

Type	Description
PHYSICAL	
HHMPI Dimensions	145mm L x 95mm W x 46mm H
HHMPI Kit Dimensions	365mm L x 270 mm W x 135mm H
Mod 1 and 5 (Battery)	
HHMPI Weight	0.495 kg
HHMPI Kit Weight	3.2 kg
Shipping Weight	4.2 kg
Mod 5 (No Battery)	
HHMPI Weight	0.330 kg
HHMPI Kit Weight	3.0 kg
Shipping Weight	4.0 kg
POWER	
Connection	USB or FDR/CVR Interface Cable
Mod 1 and 5 (Battery)	Internal Lithium Ion
ENVIRONMENTAL	
Protection	IP-40
Operating Temperature	
Mod 1 and Mod 5 (Battery)	0 °C to 60 °C
Mod 1 and Mod 5 (No Battery)	-20 °C to 60 °C
CERTIFICATIONS	
FCC	Part 15 Subpart B, July 2008
CE ANSI C63.4-2003 EN55022	2006 (CISPR22: 2005, modified)
AS/NZS CISPR22	2006 (CISPR22: 2006, modified)
EN55024	1998, Amendment 1: 2001 Amendment 2: 2002
CISPR24	1997 modified Amendment 1: 2001 Amendment 2: 2002
DATA	
View	ARINC 717 for all recorders, ARINC 429 standard, ARINC 429 periodic, Data Link Rate (DLR)
Format	Binary, Octal, Decimal, Hexadecimal
MEMORY SUPPORT	
Mod 1 and Mod 5 (Battery)	Internal, SD Card, CF Card, USB Flash Drive & PCMCIA card (ATA flash type only)
Mod 5 (Battery)	Internal, SD Card, CF Card, USB Flash Drive
COMMUNICATIONS	
Type	USB v2.0 to PC, Ethernet RJ-45 to Network, Ethernet via Recorder Interface to Recorder, RS-422 via Recorder Interface to Recorder, Wireless 802.11g Capability via Optional USB Key