Avidyne IFD-440, IFD-540, IFD-550 GPS Navigator

The IFD uses ARINC-429 and RS-232 serial data to communicate with the EFIS. The Dynon SV-ARINC module has the connections for both the ARINC-429 data and a RS-232 Serial receive port for GPS data.   An AF-5000 EFIS has the ability to send ADS-B weather and traffic to an IFD Navigator using a dedicated RS-232 serial port connection. An AF-5000 can also control the IFD Radio Frequency tuning using a dedicated RS-232 Serial Port. The ADS-B and/or Radio Tuning EFIS serial port do not need to be connected to the same AF-5000 EFIS in a multi EFIS installation. Any of the 6 IFD navigator serial ports can be connected to any of the 5 EFIS serial ports for ADS-B or Radio Tuning.

IFD RS-232 Port Settings

Setting	Description
Arnav/ei-fuel	Fuel flow Data from EFIS EMS
Aviation	GPS Data from IFD to SV-ARINC Module
ADS-B (Avi)	GPS data for Mode S Transponder
VhfCtrl	EFIS <> IFD Radio Tuning
Capstone HS Trfc+wx	ADS-B Wx+Trfc data from EFIS

EFIS RS-232 Port Settings for IFD

Setting	Description
ADS-B GDL90 OUT	ADS-B Wx+Trfc data to IFD
FADC1	Fuel flow Data to IFD
GTR/GNC-2xx	EFIS <> IFD Radio Tuning