



DBtron™ - Simulation Debrief and AAR

KaTron's DBtron™ is a next-generation Simulation Debrief and After Action Review software that provides a complete modular solution for all kinds of simulator applications. DBtron™ debriefs the following items of a recorded simulator exercise or a recorded simulation run:

- + Tactical Displays
- + MFDs (PFD, EICAS, ND)
- + Analog Cockpit Displays
- + Approach Patterns (Jeppesen Charts)
- + 2D Flight Plots
- + 3D Stealth View
- + Video Channels Playback
- + Audio Channels Playback

DBtron™ Features

- + Multi Platform
 - + Works on Windows and Linux
 - + Ready to be compiled on other platforms
- + Multi Monitor Support
 - + Can be configured to run on any number of displays arranged in any shape
- + Multi Speed Playback
 - + All records can be played at 0.5x – 16x speeds with all visuals in sync
- + Tactical Display
 - + Displays the entities participated in the recorded exercise on a 2D map
 - + Supports DIS or HLA records (HLA 1.3 or 1516)
 - + The underlying map can be DTED, FLT or any vector height map
 - + Raster maps can be overlaid on top of the height map
 - + Supports various coordinate systems including Geodetic, Geocentric and UTM
 - + Supports various datums and includes the coordinate transformation algorithms





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- + Event Viewer
 - + All recorded events including automatically configured or manually entered malfunctions, limit exceedings or messages are displayed on the event viewer window
- + DBtron™ can display various MFD displays of rotary and fixed wing aircraft with submodes
- + Jeppesen charts can be imported to DBtron™ and entity positions with histories are plotted on charts
- + Any data recorded by any data recorder can be used to visualize the flight plots
- + Captured and encoded video and audio are displayed in synchronization with other recorded data
- + 3D Stealth View
 - + With the 3D models of the terrain and entities in OpenFlight format, all the recorded entities can be displayed on the 3D Stealth View
 - + The entity information can be read from HLA or DIS records
- + 3D Flight Controllers
 - + 3D cockpit of the vehicle is displayed and flight controllers are set in motion using the recorded data
 - + Any kind of cockpit can be visualized with high resolution imagery
- + Requires MAK RTI and MAK Data Logger

The collage displays various simulation components:

- Top Left:** A 3D terrain view showing a green and brown landscape.
- Top Middle:** A Jeppesen chart showing flight paths, waypoints, and data fields such as EOC, Final Alt, GS, ILS, and RWY.
- Top Right:** A cockpit view with multiple instrument displays, including a primary flight display and engine gauges.
- Middle Left:** A 3D view of a city and airport, showing buildings and runways.
- Middle Right:** A detailed Jeppesen chart with flight paths, waypoints, and data fields such as ATIS, D8, D4, and RWY.
- Bottom Left:** A 3D view of an airport terminal and surrounding area.
- Bottom Right:** A 3D view of an aircraft in flight over a city, showing the aircraft's position and the city below.