



# X-Analyser 3

## Network Analysis & Simulation Tool

for

**CAN, CAN FD, NMEA2000, J1939, CANopen, LIN**

The screenshot displays the X-Analyser 3 interface with several key components:

- Raw Data Area:** A table showing CAN bus data with columns for Timestamp, Channel, Direction, Frame Id (hex), Frame Type, Data Length, and Data. An arrow points to this area from the label "Raw Data Area".
- Real-Time Playback:** A control panel on the left with a "Stop" button and a "Log file 200711161220 Fiesta Journey.cpr ready." message. An arrow points to this area from the label "Real-Time Playback".
- Signals Values:** A table listing various vehicle signals such as Engine\_Speed\_RPM, Master\_Vehicle\_Speed, and Accelerator\_Pedal\_Position. An arrow points to this area from the label "Signals Values".
- Scope/Graph Area:** A multi-panel graph showing waveforms for signals like Engine\_Speed\_RPM, Accelerator\_Pedal\_Position, and Master\_Vehicle\_Speed. An arrow points to this area from the label "Scope/Graph Area".
- Gauges based on Signals:** A set of three gauges (speedometer, tachometer, and temperature gauge) that update based on the signal values. An arrow points to this area from the label "Gauges based on Signals".
- Transmitters:** A panel on the right for managing transmitters, with an arrow pointing to it from the label "Transmitters".
- Statistics:** A panel on the right showing statistics for the selected transmitter, including Rx/Tx Frames, Error Frames, Bus State, and Max Bus Load. An arrow points to this area from the label "Statistics".



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### Features

- Send and Receive CAN/CAN FD/LIN data on Multiple Channels
- Filter by Message ID, Names, Values
- CAN Higher Layer Protocols (CANopen, SAE J1939, NMEA2000)
  - J1939 – All PGN and SPNs embedded in tool
  - CANopen Message Interpretation and Network Management Control
  - NMEA2000 PGN name interpretation and transmission
- Interpret data as engineering signals (e.g. Motor torque, engine speed etc.)
  - Interactive CAN & LIN Message Transmission and Signal Editing
  - Compatible with industry standard CAN and LIN databases
  - Gauges and Scope display for engineering Signals
- Diagnostics for Developers such as ISO 15765/UDS transmitters
  - Read/Clear DTC for ISO 15765/UDS
- CAN Physical Layer Oscilloscope – Preview Feature
  - View CAN\_H and CAN\_L using a PicoScope 2206b PC oscilloscope
- Flexible multiple windows displays which can be stored in project file
- PC Interfaces for CAN/LIN/CAN FD (PCI, USB, Ethernet, Wi-Fi)
  - Multiple vendor CAN/LIN interfaces including Kvaser