

ECU MSB-Bus Protocol Converter (EMPC)

A data protocol converter for all Multiplex M-Link and ACT receiver with telemetry feedback. Compatible for JetCat Engine-Control-Unit (ECU) from version 6.0.



Firmware Version 1.0



Use and Features:

- Easy implementation, no PC is necessary! Plug and Play!
- Compatible to JetCat Engine-Control (ECU) from Version 6.0*
- **Following ECU measured values are transmitted to the radio control:**
 - ECU battery voltage (Volt) with adjustable low voltage warning**
 - EGT exhaust temperature (°C)**
 - Rotation speed of the turbine (rpm)**
 - Tank fuel quantity (ml), adjustable fuel warning (back-up)**
 - Fuel flow rate (ml)**
- The most important GSU data are directly visible in the radio control
- Galvanic separation of ECU and receiver electric circuit (This avoids electric failures caused by the turbine or the turbine electric circuit)
- Future-proof!! Software Upgrade is possible later (New features)
- 20Mhz RISC CPU (fast processing of the measured values) Nano Watt Technology
- Small, light, fits into small models
- English Manual
- Made in Germany
- Supports the **Multiplex Sensor Bus (MSB)** with feedback of the current measured values to the Royal EVO or Cockpit M-Link radio control



*support for further ECU, TCU and FADEC Turbine Controller (in preparation)

Following Multiplex M-Link receiver with sensor data are supported by the ECU MSB-Bus Protocol converter (EMPC):

RX 7-DR M-Link 2,4GHz

RX 9-DR M-Link 2,4GHz

RX 9-DR pro M-Link 2,4GHz

RX 12-DR pro M-Link 2,4GHz

RX 16-DR pro M-Link 2,4GHz

...and all ACT Europe S3D telemetry receiver

Handling

After switching-on the radio control the communication between MSB Bus and ECU electronic occurs automatically. Now you can fly. The current telemetry values are transmitted to the radio control.

MSB Speed Sensor Specifications	
Input voltage of the ECU	5.0Volt
Measured values	ECU-Voltage, EGT, RPM, Tankvolume and flow rate
Warning values	ECU-Voltage and fuel back-up
Save of setup and warning	Yes permanent in EEPROM
Galvanic separation of ECU/ RC	Yes
Startup-Time	7sec.
Optical signalisation	MSB Bus Transmit
Multiplex Sensor Bus MSB	Yes
Measurements B x L x T in mm	46 x 60 x 10
Gewicht ohne Kabel	35gr.

Technical changes to reserve!

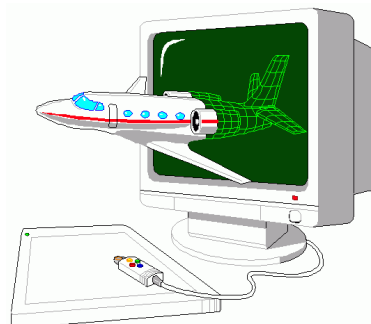
Scope of delivery: ECU MSB-Bus Protocol converter with conjunction cable to the ECU (RJ-12)

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