

# ECU MSB-Bus Protocol Converter (EMPC)

A Data Protocol-Converter for all Multiplex M-Link and ACT Receivers with telemetry feedback. Compatible to the JetCat Engine-Control-Unit (ECU) from Version 6.0.



Firmware Version 2.0



## Use and Features:

- Easy implementation, no PC is necessary! Plug and Play!
- Compatible to JetCat ECUs from Version 6.0
- **The following ECU measured values are transmitted to the receiver:**

**Turbine Status text message** (only with Profi TX or MPX T-Display)

**EGT Exhaust temperature (°C)**

**Turbine RPM (Rotations/min.)**

**ECU Accumulator voltage (Volt) with adjustable low voltage warning**

**Pump voltage with adjustable low voltage warning (Flame-Out Warning)**

**Kerosene/fuel flow rate (ml)**

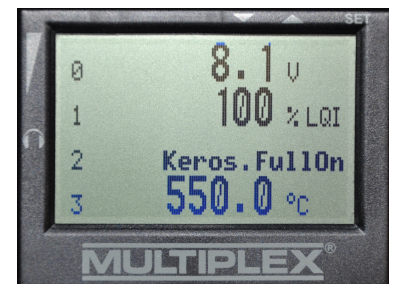
**Fuel content, fuel amount (ml), adjustable fuel alarm (Reserve)**

**Turbine Turn Off Status „Off Condition“** (only with Profi TX or MPX T-Display)

**Minimum Pump Voltage**

**Maximum Pump Voltage (Monitoring of the fuel supply)**

- The most important GSU DATA are directly visible at the receiver
- Galvanic Separation of ECU electric circuit to receiver electric circuit (This prevents electric faults caused by the turbine or turbine electric circuit)
- Future-proof!! Software Upgrade is possible supplementary (New Features)
- 20Mhz RISC CPU (Fast processing of the measured values) Nano Watt Technology
- Small, light, also fits in small airplanes
- English Manual
- Made in Germany



- Supports the Multiplex Sensor Bus (MSB) with feedback of the current ECU measured values to Royal EVO, Profi TX or Cockpit M-Link Receivers. The MPX telemetry display (part number 45182) is supported as well.

<b>EMPC Spezifikationen Version 2.0</b>	
Input Voltage of ECU	5.0Volt
Measured Values / Status Values	Turbine Status, ECU-Voltage, EGT, RPM, Tank volume, Pump voltage, Flow rate, Off-Condition, Min. and Max. Pump voltage
Alarm values	ECU-Voltage and Tank reserve
Storage of Setup and Alarm	Yes permanently within EEPROM
Galvanic Separation ECU/ RC	Yes
Startup-Time	5sec.
Optical Signalization	MSB Bus Transmit
Multiplex Sensor Bus MSB	Yes
Measurements W x L x H in mm	46 x 60 x 10
Weight without cable	35gr.

Technical changes reserved!

**Scope of delivery:** ECU MSB-Bus Protocol Converter with linkage cable to ECU ( RJ-12)

All our products are conformable with ROHS.  
WEEE-Reg. Nr. DE 49765279

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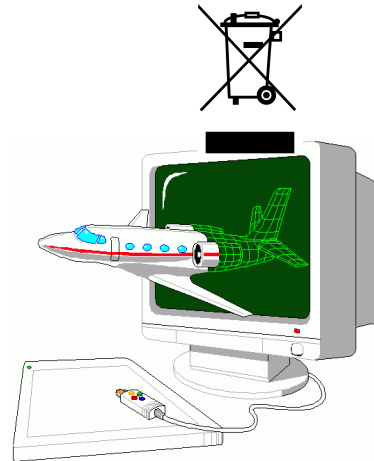
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