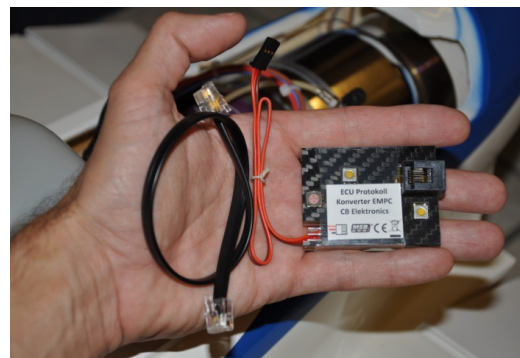
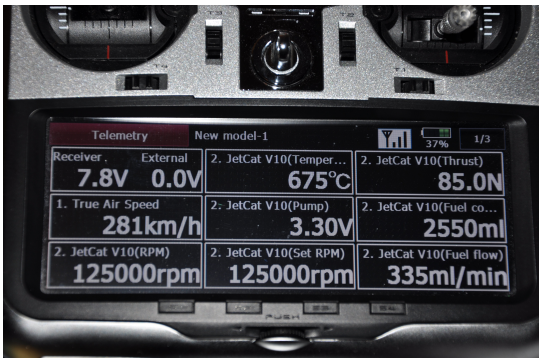


# ECU Protocol Data Converter FEPC 2.0 Premium

A Data Protocol Converter, compatible to Futaba Dbus2 telemetry and the JetCat Engine Control Unit (ECU) from Version 5.x, 6.x and 10.x. **This manual describes the setup for Robbe Futaba T18MZ Radio Control.** It is also valid for T18SG and FX32 RC with „Jet Cat Display“. The „Jet Cat Display“ is the mandatory requirement for the operation.

## Firmware Version 2.0



## Use and Features:

- Easy implementation, no PC is necessary! Plug and Play!
- Compatible to all JetCat ECUs from Version 5.x, 6.x and 10.x (plus ECU 6.x.R\*\*\*)
  - **Following ECU measured values are transmitted to the radio control:**
    - ECU accumulator voltage (Volt) with adjustable undervoltage warning\*
    - Kerosene pump voltage
    - EGT exhaust temperature (°C)\*
    - Turbine RPM(U/min.)\*
    - Tank fuel volume with adjustable fuel alarm (buffer)\*
    - Fuel flowrate\*
    - Turbine ECU Status
    - Thrust in (N)
- \*Note: Upper and lower alarm values can be adjusted within the Radio Control
- The most important GSU data are visible in your Futaba RC „JetCat Display“
- **Galvanic separation/isolation from** ECU electric circuit to receiver electric circuit (this prevents electric failures, caused by the turbine or turbine electric circuit)! Maximum safety for the Sbus2 User!
- Future-proof!!! An additional software upgrade is possible later on (New features)
- 40Mhz RISC CPU (fast processing of the measured values) nanoWatt Technology
- Small, light, fits also in smaller airplanes
- German and English manual
- Made in Germany

Following Robbe /Futaba transmitter and display boxes with sensor data are supported by the FEPC ECU Protocol Converter:

**Transmitter T18MZ, T18SG and FX-32**

**Receiver R7008SB, R7003SB and R7018SB**

<b>FEPC Premium Protocol Converter Specifications</b>	
Input voltage of the RC System	4.5 to 9Volt
Measured values	ECU-voltage, EGT, RPM, tank volume and flowrate
Alarm Values	Set in the RC
Storage of Setup and Alarm	Set in the RC
Galvanic Separation ECU/ RC	Yes completely separated
Startup time	2 sec.
Optical Signalization	Bus Transmit
Sbus2 compatible	Yes
Measurements W x L x D in mm	46 x 60 x 10
Weight	35gr.

Technical Changes reserved!

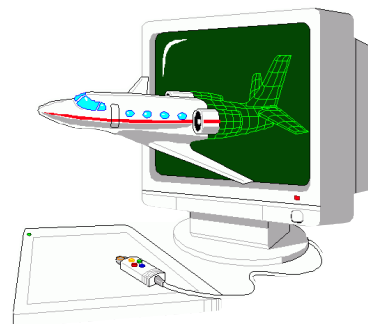
**Scope of Delivery:** FEPC Protocol Converter with Conjunction Cable to ECU (RJ-11) and manual.

CB Electronics

Egerländerstr.6

D-61137 Schöneck Germany

E-Mail: [d.buble@t-online.de](mailto:d.buble@t-online.de)



Telephone and Fax: +49(0)6187/959085

**FASSTest and S-Bus-2 is a trademark of Robbe Futaba. At this point we like to thank Robbe for granting of the S-bus-2 protocol documentation Rev. 0.5**

**© Copyright CB Electronics 2016**