Products & Technology

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Topics

Personal introduction
Company profile
Available products
Technology: telemetry
Technology: flight stabilization

Company profile

- Established in 1993
- Located in Pribor, Czech Republic
- Focusing on reliable RC electronics

Products portfolio (1/3)

- Duplex RC transmitters, receivers

- Duplex telemetry sensors (GPS, speed, vario, temperature…)

JETI model s.r.o.

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Products portfolio (2/3)

- Speed controllers

- Phasor Race motors

Products portfolio (2/3)
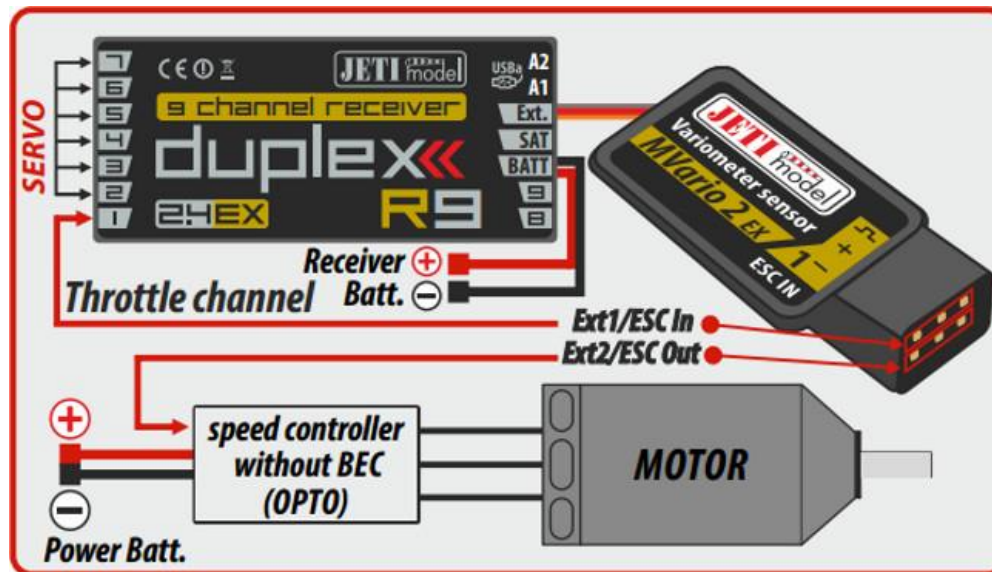
- Central Box

- Accessories: Voltage regulators, switches

Products in FAI categories

- **F5B, F5F**
  - Speed controllers
  - Phasor Race motors
- **F5J**
  - Speed controllers
  - MVario2 EX certified as AMRT device

New products?

- Ideas and decisions:
  - Fairs
  - Talking to users, feedback
  - Workshops
  - Gaps in the market
- New products have to be competitive
  - Price **X** Quality
  - Rich features **X** Simple use & fast learning curve

JETI model s.r.o.

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Duplex EX telemetry

- Wide range of sensors
- Direct visualisation on-screen
- Telemetry voice output
- Logging for offline analyzing
- EX Bus – direct bidirectional communication

Direct visualisation on-screen

- **DC/DS transmitters:**
  - Several telemetry pages
  - Every page is fully customizable
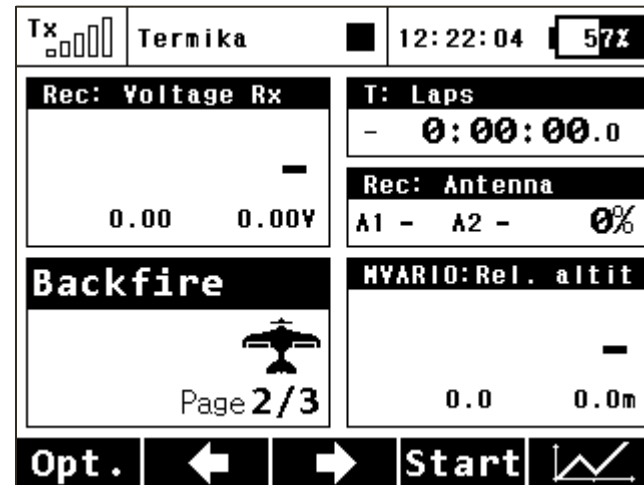
Telemetry voice output

- **Alarms based on direct value**
  - Increases safety
  - Can prevent crashes
  - Allows full control over the model without fear

- **Loud readout**
  - On-demand or at regular intervals
  - Information during flight (consumed capacity, current altitude...)
  - No need to focus on diplay

Logging for offline analyzing

- Analyze the flight data after landing
- Helps to improve flying style/skills
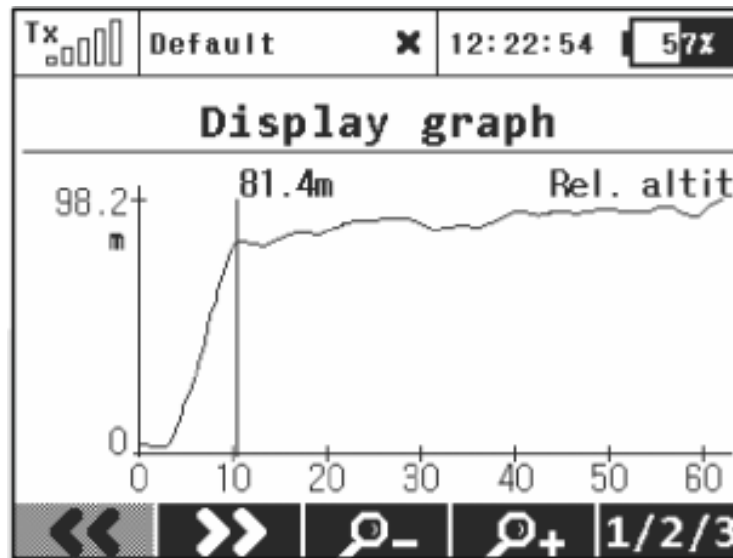
EX Bus

- Advanced wireless communicatioin with devices in a model
- Is it telemetry?
- Device configuration, on-line data, on-demand commands
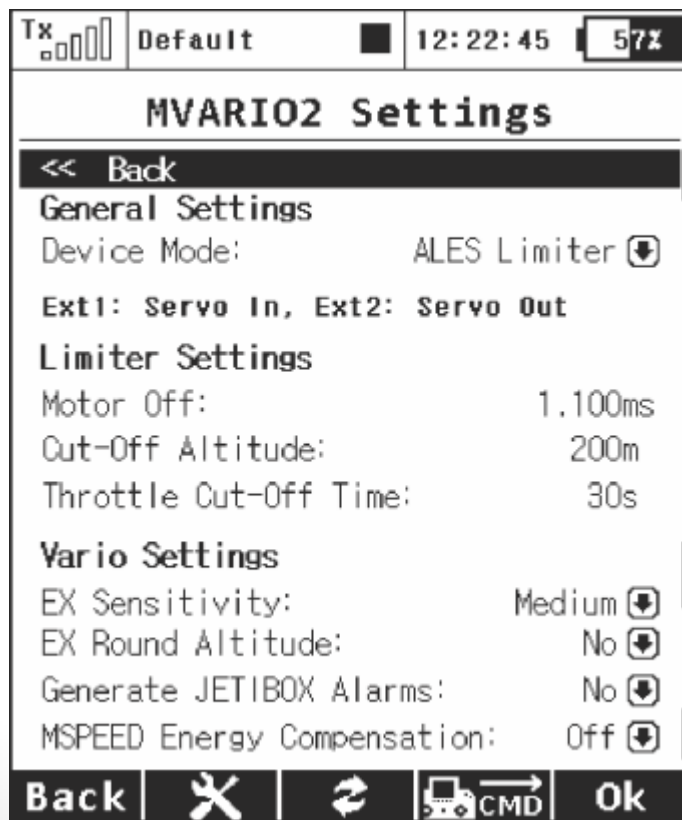
Telemetry controls

- The latest development of DC/DS transmitters
- Telemetry sensors as additional transmitter controls
- Any action can be started by a sensor
  - If the model speed is less than X m/s, flaps will be raised automatically.
  - If the current is larger than X amperes, the motor run timer starts.
  - If the motor temperature is higher than 80 °C, the maximum throttle will be limited by the mix.

Flight stabilization

- Many customer requests:
  - For a separate stabilization device
  - For the flight stabilization system embedded in receivers
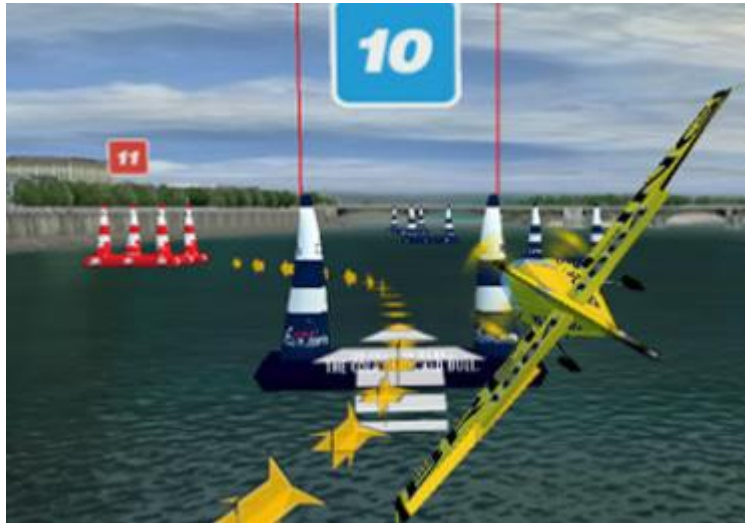 - JETI Assist this year

Plans

- Extend product portfolio
  - Transmitter/receiver range
  - Speed controllers
  - More FAI approved devices

- UAV/FPV plans
  - Like dancing on thin ice
  - Regulations for civil use are very limiting
  - UAVs/FPV can be prohibited by law in near future

Distant future

- Just ideas:
  - Air races using FPV
  - FPV based air combat of WW2 scale models

Questions?

- Thank you for attention