



ENGINE MANAGER PRO



The **Engine Manager Pro** handles all tasks related to controlling and monitoring a petrol engine. Its primary functions include switching and power supply for up to two ignitions. The ignition can be supplied with **up to 35V**, while the output can be set to 6.0V, 8.0V or 12.0V. A double LC filter and overvoltage protection completely decouple the ignition supply from the rest of the on-board electronics.

In addition, three servo outputs are available, which are controlled via the **CAN bus input** and/or the RC bus input. These can be used to control the throttle, choke flap and starter motor, for example. The **CAN bus** and RC bus are linked in such a way that if one system fails, the other automatically takes over control.

The telemetry data available includes speed, 4x temperature, voltage and current of the ignition input. A flow sensor can be connected via the **P²-BUS input** as an option, which can also be used to measure the remaining tank content.

All telemetry data is available via **DroneCAN** and the RC protocols **P²-BUS**, EX-BUS and S.BUS2.

Parameterisation can also be carried out via **DroneCAN**, the aforementioned RC protocols or the **Mobile Terminal**. The **Mobile Terminal** can also be used to perform updates, save settings and transfer them to other devices.

FEATURES

- + Control for two ignitions
- + Input voltage up to 35V
- + Output voltage selectable between 6.0V / 8.0V / 12.0V
- + Effectively suppresses interference from the ignition
- + Control via DroneCan and/or P²-BUS / EX-BUS / S.BUS
- + DroneCan/RC bus operate as redundant signal sources
- + 3 servo outputs for throttle/choke and starter motor
- + Telemetry for DroneCan and P²-BUS / EX-BUS / S.BUS2
- + 4x temperature, speed, current/voltage
- + P²-BUS connection for additional external sensors
- + Updateable with the Mobile Terminal

SPECIFICATION

Operating voltage	6.0 to 35.0V
Current drain Power-on state	25mA
Ignition standby consumption	0.1µA
Ignition max. current	max. 2.5A
Output voltage	6.0V / 8.0V / 12.0V
Signal input	DroneCan, P ² -BUS, EX-BUS, S.BUS2
Telemetry systems	DroneCan, P ² -BUS, EX-BUS, S.BUS2
Telemetry data	Speed, 4x temperature, voltage, current, optional low rate
Temperature measuring range	0 - 250°C
Speed measuring range	100 - 12000 U/min
Parameter settings	CAN-Bus, RC-Bus or Mobile Terminal
Dimensions	57 x 62 x 12 mm
Weight	40 g
Temperature range	-40°C to +105°C