

JetCat P100-RX

New!



Bus-system: Minimum of wiring connections



www.jetcatusa.com

JetCat P100-RX

Introducing the all new JetCat P100-RX:

- Compact outline and form factor
- Internal kerosene start
- Internal EGT sensor!
- Internal solenoids, only one fuel connection to the engine
- New "Bus-system" fuel pump
- Single wiring connection from ECU to engine
- New miniature/lightweight ECU V10.0
- Battery: 2-cell LiPo or optional 3-cell LiFe (e.g. A123)

This new design of the P100-RX incorporates an optimized compressor/diffuser system, resulting in higher engine performance and reliability. The engine follows throttle commands almost without delay.

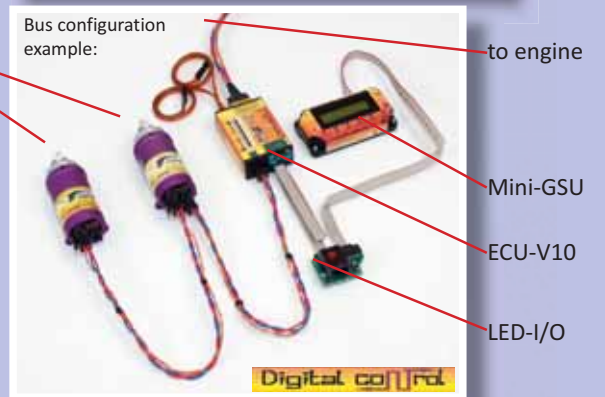
New ECU V10.0

The completely redesigned V10.0 ECU is three times smaller than the V6.0 ECU, yet has all its proven capabilities and more at a weight of only 26g !

The new ECU comprises a high speed digital power bus for control and power supply of all engine peripherals (e.g. engine, fuel pump, solenoids, smoke pump, lighting systems, etc.) with a minimum of wiring connections.

An on board precision pressure and ambient temperature sensor allows for optimum engine control, independent to environmental conditions.

Price: \$2795



Technical data P100-RX:	
Idle Rpm (1/min)	42000
Max Rpm (1/min)	152000
Idle thrust (N) / (lbs)	1,9 / 0,43
max thrust (N) / (lbs)	100 / 22,6
EGT (°C)	510-730
Power output (thrust) (kW)	20,8
Fuel consumption @maxRpm (ml/min)	350
Fuel consumption @idle (ml/min)	60
weight (g)/(lbs), including valves	1080/2,37
diameter/lenght (incl. starter) mm	97/245

3 JetCat warranty Year

2011

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ECU V10.0



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Technical data ECU V10.0	
dimensions (LxWxD) mm:	55x36x18
weight (g):	26
Inputs / Outputs	2x RC (THR/AUX) 1x GPS 1x Airspeed 1x RPM2 1x Smokervolve 1x Engine Bus connector 1x Pump Bus connector 1x I/O Bus connector
power supply	7-14 VDC (2s Lipo or 3s LiFePo)

Bus System Fuelpump



The new JetCat bus pump for the P100-RX is mounted in an anodized CNC machined aluminium housing. Through its digital bus it can be programmed to operate as a fuel pump or as a smoke pump. If required, up to two solenoids can be directly connected to the pump. Each pump has a digital signature and memory which allows the ECU for advanced control methods.

Mini LED-I/O interface



The JetCat Mini LED I/O interface connects to the ECU V10.0 via a miniature 6 pin flat cable. It allows for external connection of a standard GSU, our RS232-USB cable, as well as connection to the new JetCat Mini-GSU.

JetCat Mini-GSU

New!



JetCat Mini-GSU

The JetCat Mini-GSU is an optional miniature Ground Support Unit (GSU). It comprises a 2x16 character alphanumeric backlit LCD display and 10 control keys.

Functionwise it can be used as a 100% replacement for our normal GSU. Its small form factor and weight makes it ideally suited for permanent installation in the model.

Connection to ECU's up to Version 6.0 is via a 8-pin miniature flat cable connector directly to the LED-I/O interface.

Connection to ECU's from Version 10.0 is via a 6-pin miniature flat cable directly to the ECU or the LED-I/O interface.

Or 8-pin flat cable to JetCat I/O-interface with charging option.



rear view



Technical data JetCat Mini-GSU	
dimensions (LxWxD) mm:	66 x 34 x 16,5
weight (g):	32
connections:	2 x 6 pin BUS 2 x 8pin BUS
keys:	10

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