

Electronic controller EVO-3



Digital current controller for SRC models.

- Contactless trigger with adjustable operating angle;
- Non-volatile memory for 6 models;
- Dynamic brake with anti-brake mode.
- Resistive check with 25 values;
- Traction control system with 7 values;
- Digital control with non-volatile memory;
- Built-in battery with automatic recharging;
- Controller settings controlled by 3 encoders.

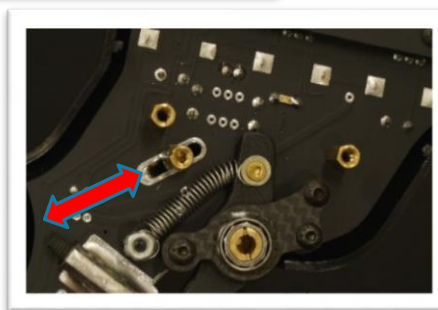
Specifications:

- Operating voltage: **10-14V.**
- Maximum load current: **25A.**
- Maximum voltage drop across a 10A load: **0.1V.**
- Trigger resolution: **128 bits.**
- Built-in battery voltage: **3.7V.**

Operating procedure:

Trigger adjustment and calibration:

1. Turn off the controller;
2. Adjust the trigger's extreme angles using a wrench or screwdriver;



3. Press and hold the Brake encoder;



4. Turn on the controller power;



5. Press the trigger all the way down and release it;



6. Release the encoder.

The trigger is calibrated!

Built-in Li-Ion battery:

The battery powers the digital portion of the controller and is necessary for adjusting the controller settings during breaks in the race. The battery charges automatically when the controller is connected to the track. The battery does not affect the controller's output voltage!

The controller remains functional without the battery!

Selecting a memory cell:

The controller has 6 memory cells. To select a cell, press the Sense encoder once and then rotate the encoder to select the memory cell.



Press the trigger to exit the model class selection menu.

All memory cells are identical and differ only in name!

Settings are saved automatically and are not reset when the power is turned off!

Speed Adjustment - Sense:

Turn the Sense encoder to change the model's initial speed.



Power Limit Setting - Choke:

To make the model easier and smoother to control, increase the Choke value using the encoder. The adjustment range is 0-25 units.



Traction control adjustment:

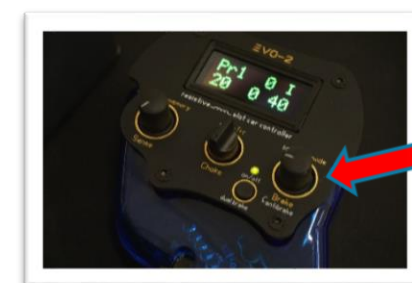
This adjustment makes the model smoother to control without losing speed.

Press and turn the encoder to adjust the traction control. The adjustment range is 0-7.



Setting the brake – Brake:

Rotate the Brake encoder clockwise to increase brake stiffness, the adjustment range is 0-40 units.



Maximum brake 40 units, 0 – brake off.

Turning the Brake encoder counterclockwise activates anti-brake mode. In this mode, you can increase the model's coasting after releasing the trigger. The adjustment range is 15-0. 15 is the maximum coasting.

When anti-brake mode is enabled, a + icon lights up on the screen.

The Evo-3 controller has three brake operation modes: Fixed, Progress, and Regress.

Fixed – Fixed brake. The brake engages at the value set by the Brake encoder.

Progress – Progressive mode. The brake gradually increases from 0 to the value set by the Brake encoder.

Regress – Regressive mode. The brake gradually decreases from the value set by the Brake encoder to 0.

Press the Brake encoder and turn it to select the brake operation mode.

In the dynamic Progress and Regress modes, you can adjust the brake increase or decrease rate.

Select the Intensity menu by pressing the Brake encoder and turning it to adjust the brake ramp-up or ramp-down speed.

A value of 15 is the maximum ramp-up or ramp-down speed.

The controller has two operating ranges: 4 and 8 ohms.

Switching is done with a button.

(4 ohms is suitable for brushed motors, and 8 ohms is suitable for brushless motors.)



The Evo-3 controller (optional)

is equipped with a bypass button (check disconnect).



Pressing this button disables the speed limiter (check) and the model receives full power when the throttle trigger is held down.

Connecting the controller to the track:

Red plug (-);

White plug (+);

Black plug – output to the model.

To avoid damaging the controller, do not mix up the plugs!

For any questions about controller operation, please email us.

SRC-KMS@YANDEX.RU