

INSTRUCTION MANUAL

POWERSWITCH

Thank you very much for your trust in the products of Robitronic. Please read this user manual carefully before using this product to avoid any problems in advance. Please also pay attention to the technical data and limits of this product.



FUNCTION

The Powerswitch was designed for replacing the mechanical switch to supply the receiver and servos in nitro cars.

The switch is used to switch the receiver supply on and off inside the car.

Beside that the Powerswitch informs you about the remaining capacity and error conditions of your battery.

CAUTION: The Powerswitch is only a SWITCH. That means the connected voltage on the input is directly forwarded to the output when switched on. For example, if you use a 7.4V LiPo battery you have to make sure that your receiver and your servos are able to handle this high voltage!

Load capacity:

Because of newest MosFET technology the Powerswitch is despite it's small size capable of handling large currents. The use in big scale cars with up to 3 servos is no problem.

Current consumption:

As a result of the extremely low current consumption the Powerswitch can be connected longer time to the receiver battery without discharging it too much.

As an example: A fully charged 1600mAh battery would last about 950 days.

SWITCH ON/OFF - SETUP

- For switching on or off please press and hold the button for more than one second. The status LEDs show you the remaining capacity when switched on. The powerswitch also remembers always it's last state, if you disconnect the battery when it is switched on it will be on after connecting a battery again.
- To set up the correct battery type you have to press and hold the button and then connect a battery to the Powerswitch. The setup mode is indicated by a short run through all 3 LEDs.
- After that the currently stored battery type is shown (GREEN = 2S LiPo, YELLOW = 2S LiFe, RED = 5 cells NiMH). With pressing the button you can choose your desired battery type.
- To store this setting simply wait for 3 seconds. All 3 LEDs will blink twice indicating that your setting is now stored. The Powerswitch will now go to the normal switched on state.

BATTERY:



GREEN: 2S LiPo



YELLOW: 2S LiFe



RED: 5 cells NiMH

TECHNICAL DATA

Input voltage 3.5 - 10V
Max. current 10A
Current draw (switched off) approx. 69µA
Operating temperature..... -10°C bis +50°C,
Dimensions (l x w x h) approx. 25 x 17 x 7.6mm (without cables)
Weight approx. 9g

Technical specifications, features and design are subject to change.
Version 1.0

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FEATURES

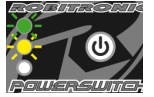
- Rugged and reliable electrical switch for receiver supply in nitro cars
- Completely sealed against dust and water
- Programmable for 2S LiPo, 2S LiFe and 5 cells NiMH batteries
- Exact charge level indicator with 3 LEDs
- Error detection bad contact/bad battery
- Very low internal resistance for minimal losses
- Extremely low current draw when switched off
- Very high load capacity

STATUS LED DISPLAY

GREEN: Remaining capacity between 100% and 80%



GREEN / YELLOW: 79% - 60%



YELLOW: 59% - 40%



YELLOW / RED: 39 - 20%



RED: Remaining capacity below 20%



BLINKING LED: A blinking LED (color doesn't matter) shows you the error status „bad contact/bad battery“. This means that the voltage measured by the powerswitch was more times wide below the normal value. This means that maybe the battery is defect or you have an bad contact. In that case please check your battery as well as all connections before you use your model again. The error status will be cleared when switching off the Powerswitch.

WARRANTY

With the purchase of this product you purchased at the same time a two-year warranty from date of purchase. The guarantee applies only to the already existing material on the purchase of the product and / or functional defects.

Excluded from the guarantee:

- Damage caused by incorrect use
- Damage caused by neglect of duty of care
- Damage caused by improper handling and maintenance errors
- Liquid damage

For warranty claims, please contact your local dealer.

Should it be necessary to send the product, you must enclose a copy of the invoice and a repair order. You can download it at www.robitronic.com. With direct sending to the service department must be consulted beforehand (held by telephone or e-mail). The postage costs borne by the consignor. Paid packages are not accepted. Everyone sent in warranty case is first examined by our service department on admissibility. For reject warranty claims will be charged back to a control and processing fee before we return the product. Repairs not covered under warranty, before the start of the repair must be paid. Robitronic assumes no liability for damages and losses directly or indirectly, by the sequence of use or misuse of this product and its required accessories products needed for their operation, arise.

DISPOSAL



Electronic waste is a commodity and must be disposed through special electronic waste sites. Please inform yourself about adequate facilities in your community area. Disposal of this product through domestic waste is illegal.