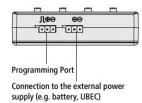# R01269 LED Programming Box Manual

Thank you for purchasing the Robitronic LED Programming Box for electronic cruise control. Please take the time to read this manual before use.

Usage

This LED Programming Box works with the following Robitronic products:
• Razer ten ESC.
• Razer eight ESC.

Connect the LED Programming Box with the ESC

Programming Port
Connection to the external power supply (e.g. battery, UBEC)

Warning! The battery must be disconnected from the ESC before connecting the ESC to the programming box. Otherwise, your ESC cannot be "connected" to the programming box.

Please disconnect the fan connection cable (from the FAN / PRG port of your ESC) and then plug one end of the programming cable (included in the scope of delivery) into the other end of the programming connector, which is marked as "⊖ ⊕ ⊕" on your programming box.

After connecting the connections, connect a drive battery to your ESC and turn it on. A few seconds later, the LED Programming Box will display the current settings in your ESC. If the programming box shows nothing, please check if the programming cable is connected correctly. After all connections are (correctly) confirmed, disconnect the battery, 2 seconds later, reconnect it to your ESC again to see if any information is displayed on the LED Programming Box.

Attention! It often takes a few seconds for the LED Programming Box to display "digits / information".

Programming the ESC

• **Auswahl / Item-Button:** Press the "Select / Item" button to select the programmable parameters you want to adjust/check; the corresponding (parameter) number of each item is shown on the left LED display.
• **Wert / Value-Button:** After selecting a programmable parameter, the corresponding parameter stored in your ESC is shown on the right LED display and by pressing the "Value" button you can set the parameter values.
• **OK-Button:** Press the "OK" button after you have set all parameters.
A red "-" will appear on the right LED display for about 1 or 2 seconds to indicate that the parameter values are being transferred to the ESC. When the "-" symbol disappears, the ESC has accepted and saved the values.
• **Reset-Button:** Press the "Reset" button to reset your ESC to the factory settings.

Technichal Specifications

Dimensions: 88 x 58 x 14mm
Weight: 40g
Power Supply: DC 4,8-8,4V

Warranty

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

Important Safety Notes

• Please read the safety instructions completely before starting up, they contain important information fort he correct operation. In case of damage caused by non-observance of these safety instructions, all warranty claims expire!
• Not for children under 14 years, no toys! Electronic devices and accessories do not belong in children's hands!
• Protect the product from dust, moisture, rain, heat (e.g. direct sunlight) and vibration.
• Only intended for use in dry rooms!
• Keep transmitter systems (radio telephones, remote controls for model making etc.) away from the device, as the incident transmitter radiation can lead to malfunctions in operation.
• The entire product must not be changed or converted!
• Operation under adverse environmental conditions is not permitted, for example:
  - Humidity too high
  - Wetness
  - Dust and flammable gases, vapors or solvents, petrol
  - Ambient temperatures too high (> approx. + 40°C)
  - Strong vibrations

Disclaimer

As compliance with the instructions, the operations and conditions when using the device at no time can be monitored by the manufacturer; the manufacturer assumes no liability for damages, costs and / or losses arising from incorrect use and / or incorrect operation or in any way connected.

Declaration of Conformity (DOC)

Hereby, the manufacturer declares that this product is in compliance with the essential requirements and other relevant provisions of EU Directives. The declaration of conformity may be consulted at www.robitronic.com

Disposal of Electronic Waste

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.

Technical specifications, features and design are subject to change.