

Boerdson

BluCom module

Operating instructions

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Explanation of symbols



This symbol, an exclamation mark in a filled triangle, indicates important operating or safety instructions in these operating instructions. Always read this information carefully.



This symbol indicates a tip and/or a special operating recommendation to make things easier for you.

Safety instructions



- Read these instructions, keep them in a safe place and only pass the device on with these instructions.
- Observe all warnings, follow all instructions and use the appliance only for the purpose and in the manner described in this manual.
- The product is not a toy. Keep it away from children and pets.
- Do not leave the packaging material lying around carelessly. Otherwise it could become a dangerous toy for children.
- Protect the product from extreme temperatures, direct sunlight, strong impacts, high humidity, moisture, flammable gases, vapors and solvents.
- Do not expose the product to mechanical stress.
- If safe operation is no longer possible, take the product out of operation and protect it from unintentional use. Safe operation is no longer guaranteed if the product:
 - shows visible damage,
 - no longer functions properly,
 - has been stored under unfavorable environmental conditions for a longer period of time or has been exposed to considerable transport stresses.
- Always handle the product with care. Impacts, knocks or even falling from a low height can damage the product.
- Avoid short circuits at the inputs and outputs.
- Never connect the battery with reversed polarity.
- Disconnect the battery from the speed controller after the ride.
- Before charging the battery, disconnect it from the speed controller.
- Check the model vehicle and the speed controller/motor for damage before each use. If you notice any damage, do not continue to use the model vehicle or speed controller/motor!
- Some parts of the speed controller can become very hot during operation. Risk of burns!
- Never block existing ventilation openings.
- Sufficient cooling of the speed controller must be ensured when operating the model. For this reason, do not wrap the speed controller in foam or similar material; heat dissipation must be ensured.
- The drive must not be blocked. The resulting currents can cause irreparable damage to the motor and/or the speed controller.



- Make sure that you do not get any part of your body or other foreign objects caught in moving components when handling model vehicles. There is a risk of injury! Therefore, always jack up the model safely when making adjustments.
- Always switch on the transmitter first and move its control lever for motor control to the neutral position. Only then may the speed controller be fitted with a battery pack and switched on. When switching off, proceed in reverse order. This means that you first switch off the speed controller, disconnect the battery and only then switch off the transmitter.
- Before the transmitter is switched off, the speed controller must always be switched off first and the connection to the battery disconnected if necessary.
- The connection between the battery and speed controller must always be disconnected when the speed controller is no longer required.
- The maximum permissible power of the speed controller is limited. The maximum permissible current values vary depending on the battery voltage used. Please be sure to observe the technical data in these operating instructions. Failure to observe the limit values may result in irreparable damage to the motor and/or the speed controller. In the event of such damage, all guarantee/warranty claims are excluded!
- Have maintenance work and repairs carried out by qualified personnel only. Take the appliance to customer service if it has been exposed to rain or moisture, if liquid or foreign bodies have got into it or if it is not working normally.

Intended use

The BluCom module is used to configure and read out real-time data from Boerdson speed controllers. It is connected to an Android device via Bluetooth and to the ESC via a plug-in cable. For safety and approval reasons, you must not modify and/or change the product. If you use the product for purposes other than those described above, the product may be damaged. In addition, improper use can cause short circuits, fires or other hazards. This product fulfills the legal national and European requirements.

Liability and warranty

The statutory warranty provisions valid at the time of purchase apply. Intended use for non-commercial purposes is a prerequisite. Damage caused by improper handling or water is excluded. Tampering and modifications invalidate the warranty. Liability is limited to the purchase price. Liability for consequential damage is excluded. We reserve the right to make technical changes. All company names and product designations are trademarks of their respective owners. All rights reserved.

Environmental protection

Waste electrical and electronic equipment does not belong in household waste! Please use the free municipal disposal points.

Scope of delivery

- BluCom module
- Flyer

Contact us

Do you have a problem or questions? Send us an e-mail to hilfe@boerdson.de, we will be happy to help you!

Overview of properties

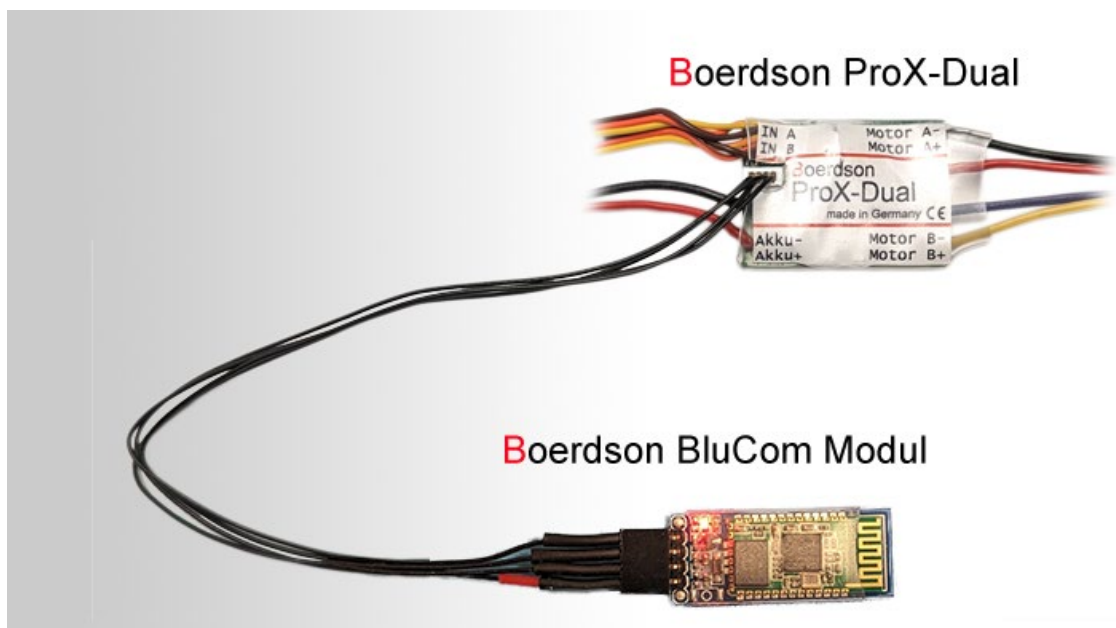
- Configuration of the operating parameters of Boerdson speed controllers
- Reading out operating values from Boerdson speed controllers

Description

The Boerdson BluCom module is a Bluetooth interface for configuring and reading out Boerdson speed controllers using Android software.

Wiring

The wiring to the ESC is shown in the following diagram.



Configuration

Many parameters of the ESC can be configured and thus adapted to your own use and taste. Configuration is very convenient using the BluCom module and the corresponding Android app. You can access all configurable parameters via BluCom.



You can purchase the BluCom module in our store: www.boerdson.de. The app can be downloaded free of charge from the store.

Frequently asked questions (FAQ)

- What is the range of the BluCom?
 - The range depends very much on the installation situation, in most cases you can assume approx. 10m. To maximize the range, do not install the BluCom too tightly and do not surround it with metallic objects.

Electrical data

Recommended values

Parameters	Icon	Condition/Comment	Min	Type	Max	Inh.
Supply voltage	V _{CC}	V _{CC} via ESC		5		V

Technical data

Parameters	Icon	Condition/Comment	Value	Inh.
Length	L	Without cable	38	mm
Width	W		16	mm
Height	H	including components	4	mm
Weight	G	Without cable	3	g