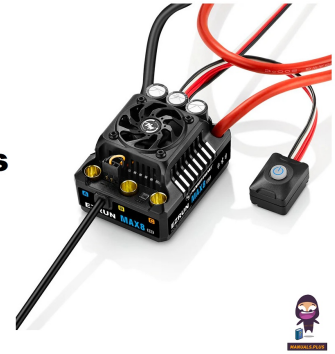




**EZRUN MAX8
G2S Brushless
Electronic
Speed
Controller**



HOBBYWING EZRUN MAX8 G2S Brushless Electronic Speed Controller User Manual

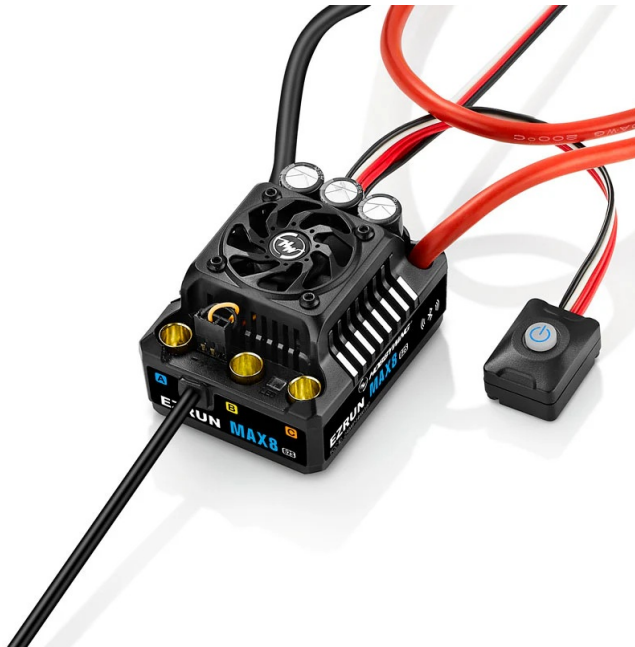
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HOBBYWING EZRUN MAX8 G2S Brushless Electronic Speed Controller



Disclaimer

Thank you for purchasing this HOBBYWING product! Please read this instruction manual carefully before use, once you use the product, it is understood that you have read and agreed with all the content. Brushless power systems can be very dangerous and any improper use may cause personal injury and damage to the product and related devices, so please strictly follow the instruction during installation and use. Because we have no control over the use, installation, or maintenance of this product, no liability may be assumed for any damages or losses resulting from the use of the product. We do not assume responsibility for any losses caused by unauthorized modifications to our product. We have the right to modify our product design, appearance, features and usage requirements without notification. We, HOBBYWING, are only responsible for our product cost and nothing else as result of using our product. Regarding the possible semantic different between two versions of the declaration, for users in mainland China, please take the Chinese version as standard; for users in other regions, please take the English version as standard.

Warnings

- To avoid short circuits, ensure that all wires and connections are well insulated before connecting the ESC to related devices.
- Ensure all devices in the system are connected correctly to prevent any damage to the system.
- Read the manuals of all the items being used in the build. Ensure gearing, setup, and overall install is correct and reasonable.
- Do not hold the vehicle in the air and rev it up to full throttle, as rubber tires can “expand” to extreme size or even explode and cause serious injury.
- Stop usage if the casing of the ESC exceeds 90°C / 194°F as this may cause damage to both the ESC and motor.
- The battery must be disconnected after use. There is a small draw even when the system is off, and will eventually fully drain the battery. This may cause damage to the ESC, and will NOT BE COVERED UNDER WARRANTY.

Features

- The esc has an innovative waterproof sensor interface, enhancing the overall waterproof and dustproof

performance. It is easy to deal with the harsh conditions containing sediment, ice and snow, water accumulation.

- Built-in ultra-powerful switch-mode BEC and support for 6V/7.4V/8.4V switching, supporting a wide range of powerful and high-voltage servos.
- Supports turbo timing setting, the timing response is remarkable when used with the matching motor.
- The built-in (integrated in the switch) Bluetooth function allows for setting and upgrading the esc by directly connecting to the mobile app, without any additional devices, making it simpler and more convenient.
- Data logging function to view various running data on the HW LINK app.
- Supports the firmware upgrade of the ESC, you can enjoy the latest functions.

Specifications

MODEL	EZRUN MAX8 G2S	EZRUN MAX6 G2	EZRUN MAX5 HV Plus G2
Cont. / Peak Current	160A / 1050A	200A / 1200A	330A / 2000A
Motor Type	Sensored and sensorless brushless motor	Sensored / Sensorless Brushless Motor	Sensored and sensorless brushless motor
Applications	1/8 On-road, Short course truck, Monster truck	1/6&1/7 On-road, Truck, Monster Truck	1. 1/7 and 1/8 vehicles for Extreme Speed 2. 1/5 Truck, Monster for Extreme Bashing
Motor Limit (Note*)	With 4S LiPo: KV ≤ 3000 With 6S LiPo: KV ≤ 2400 4278 size motor	With 6S LiPo: KV ≤ 2400 With 8S LiPo: KV ≤ 1700 4990/5690 size motor	With 8S LiPo: KV ≤ 2500 With 12S LiPo: KV ≤ 1600
LiPo Cells	3-6S LiPo	3-8S LiPo	6-12S LiPo
BEC Output	6V / 7.4V / 8.4V adjustable, continuous current 6A (Switch-mode)	6V/7.4V/8.4V adjustable, continuous current 8A (Switch-mode)	6V/7.4V/8.4V adjustable, continuous current 8A (Switch-mode)
Cooling Fan	Powered by the BEC voltage	Powered by the BEC voltage	Powered by the BEC voltage
Size	60(L) x 48(W) x 40.5(H)mm	70(L) x 56(W) x 45.5(H)mm	94.5(L) x 59.4(W) x 51.6(H)mm
Weight	192g(Included wires&connectors)	245g (Included wires)	450g (Included wires&connectors)
Programming Method	iOS or Android smart phone (installed with the HW LINK app)	iOS or Android smart phone (installed with the HW LINK app)	iOS or Android smart phone (installed with the HW LINK app)

Note *:

1. The range of KV value here is the recommended value under the standard application (combined with the rpm supported by the motor and the actual load of the whole vehicle), and does not represent the maximum rpm supported by esc.
2. As the MAX5 HV Plus G2 is mainly designed for super high-speed applications and supports high motor rpm, it is necessary to confirm whether the motor used supports higher rpm when matching it to avoid damaging the motor.

Connections

FAQ

- **Question: What should I do if my motor direction is reversed?**
 - **Answer:** Change the parameter on item 4 Motor rotation direction to achieve the correct setting.

Documents / Resources



[HOBBYWING EZRUN MAX8 G2S Brushless Electronic Speed Controller](#) [pdf] User Manual
EZRUN MAX8 G2S, EZRUN MAX8 G2S Brushless Electronic Speed Controller, Brushless Electronic Speed Controller, Electronic Speed Controller, Speed Controller

References

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- [User Manual](#)

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