

# Xerun AXE PLUS R3

## Sensored Brushless ESC

Best Combination: Xerun AXE 4274 R3  
Xerun AXE 550/540L/540 R2



High-power  
crawler ESC



AUX real-time  
parameter  
adjustment



Fan intelligent  
start and stop



FOC drive



Smart torque  
output



Built-in  
Bluetooth



Super Internal  
BEC

# XeRun AXE PLUS R3

## Sensored Brushless ESC

### Super Internal BEC

It has a built-in powerful BEC with a maximum output current of 15A. The voltage is switchable between 6V/7.4V/8.4V and is suitable for various standard/high-voltage servos and peripheral electrical equipment on the market (such as light sets, winches, etc.).

### High protection level

The AXE R3 brushless system is now IP67 protected. It has excellent waterproofing and dust-proofing performance to cope with various climatic conditions.

**Note:** The above-mentioned IP67 protection level is splash-proof, water-resistant, and dust-proof under normal use. It is not permanently effective, and the protective performance may decrease due to aging. Do not submerge in water for a long time, otherwise the product may be damaged.

### Widely applicable 6S high-power crawler ESC

The ESC supports up to 6S LiPo battery. It has a maximum output current of up to 135A.

The AXE R3 can be used on 1/10<sup>th</sup> and 1/8<sup>th</sup> crawler, also compatible with 1/7<sup>th</sup> and 1/6<sup>th</sup> crawler.

New compact design.

Compatible with all Axe R2 motors.

**Note:** The AXE R3 is 2.1mm longer, 1.7mm wider and 3.7mm shorter than the R2 ESC.



### Dual external control channels, real-time adjustment of parameters

Connect the white and yellow signal cables to open channels of the receiver to adjust parameters in real time.

**Note:** The actual functions of the white and yellow wires correspond to the setting parameters of channel 3/4 in the parameter table respectively.

### FOC drive, linear, with plenty torque, and very quiet

The XeRun AXE R3 is equipped with a FOC drive system. The large torque and excellent linearity when operating at low speed further exceeds ordinary brushless power systems and outperforms brushed power systems. The XeRun AXE R3 is nearly silent, and it's the perfect choice for crawling vehicles.

### Smart torque output, easy to control

The ESC automatically increases the torque output to overcome resistance and accelerate up the hill. Vice versa, the ESC automatically reduces the torque output and stabilizes the vehicle speed when going down the hill. Provides excellent control going Up, or Down hills.

### Smart fan start and stop function

The fan starts to operate automatically ONLY when the ESC temperature reaches the preset value. The smart start and stop function of the fan helps to save power, reduce noise, and also ensures that the ESC works in a good temperature range.

### Built-in Bluetooth for Connecting the Mobile APP Directly

The ESC has a built-in Bluetooth module. Parameter settings, data reading, firmware upgrade and other operations can be achieved by connecting the device to the mobile APP.

### Obtain AXE Running Status with Real-time Data Function with ease

Connect the ESC to the HW Link mobile app and turn on the real-time data function. You are able to view throttle, voltage, current, temperature, speed and other data in real time, and obtain the ESC and motor operating status with ease.

**Note:** The effective distance is only about 5m due to transmission distance of bluetooth.

### Built-in data logging function, ease of obtaining power operating status

The ESC has a built in data recording module. Store up to 10 minutes of your most recent run. Using the HW Link V2 App, you can view the data saved to the ESC. In addition, the module allows you to view Real Time Data from the ESC for bench top testing and viewing of the data outputs.

### Compatible with AXE R2 motor

AXE R3 ESC supports both AXE 4274 R3 motor and AXE 550/540L/540 R2 motor.

**Note:** AXE R2 motor, 2800KV/2100KV/1400KV/2300KV are recommended to use 3-4S.

### Supports Flysky i-BUS2 protocol

Achieve real-time ESC parameter adjustments using the I-BUS2 protocol on the Flysky Noble controllers. Additionally, the data return function has been implemented to the Flysky Noble remote controllers. You will be able to view data such as battery voltage, motor rpm, operating current, ESC/motor temperature, etc in real time on the transmitter.

### A vast variety of parameters

The XeRun AXE R3 has a vast variety of parameters for adjustment. It has a total of 21 adjustable parameters and supports 24-degree adjustable Turbo timing. The maximum speed can be unleashed with good road conditions.

## XeRun AXE PLUS R3

**Applications:** 1/10<sup>th</sup> and 1/8<sup>th</sup> crawler, 1/7<sup>th</sup> and 1/6<sup>th</sup> crawler



Crawler

**Cont./Peak Current:** 135A/600A

**LiPo Cells:** 2-6S Lipo

**Motor Type:** Only the XERUN AXE R3/R2 Series

**BEC Output:** 6V/7.4V/8.4V adjustable, Continuous Current of 6A

**Size/Weight (including wire):** 49.5\*37.9\*22.8mm(without fan)/126.5g

**Programming port:** iOS or Android smart phone (installed with the HW LINK app)