



ROBOMASTER

Using a 32-bit motor driver chip and Field-Oriented Control (FOC), the RoboMaster 2020 Brushless DC Motor Speed Controller enables precise control over motor torque.



Exclusively designed for the RoboMaster M3008 1P18 Brushless DC Motor and CE03 Brushless DC Motor Speed Controller, this M3008 Accessories Kit includes control cables and a terminal board.

Referee System Specification Manual, Referee System User Manual, Introductions of Referee System Module



THE MOTOR IS DESIGNED BY AND CAN BE USED IN THE ROBOCUP AND ROBOCON CONTESTS, CREATING A FUTURE-ORIENTED ROBOTIC SYSTEM WITH THE BEST TECHNOLOGICAL QUALITY.

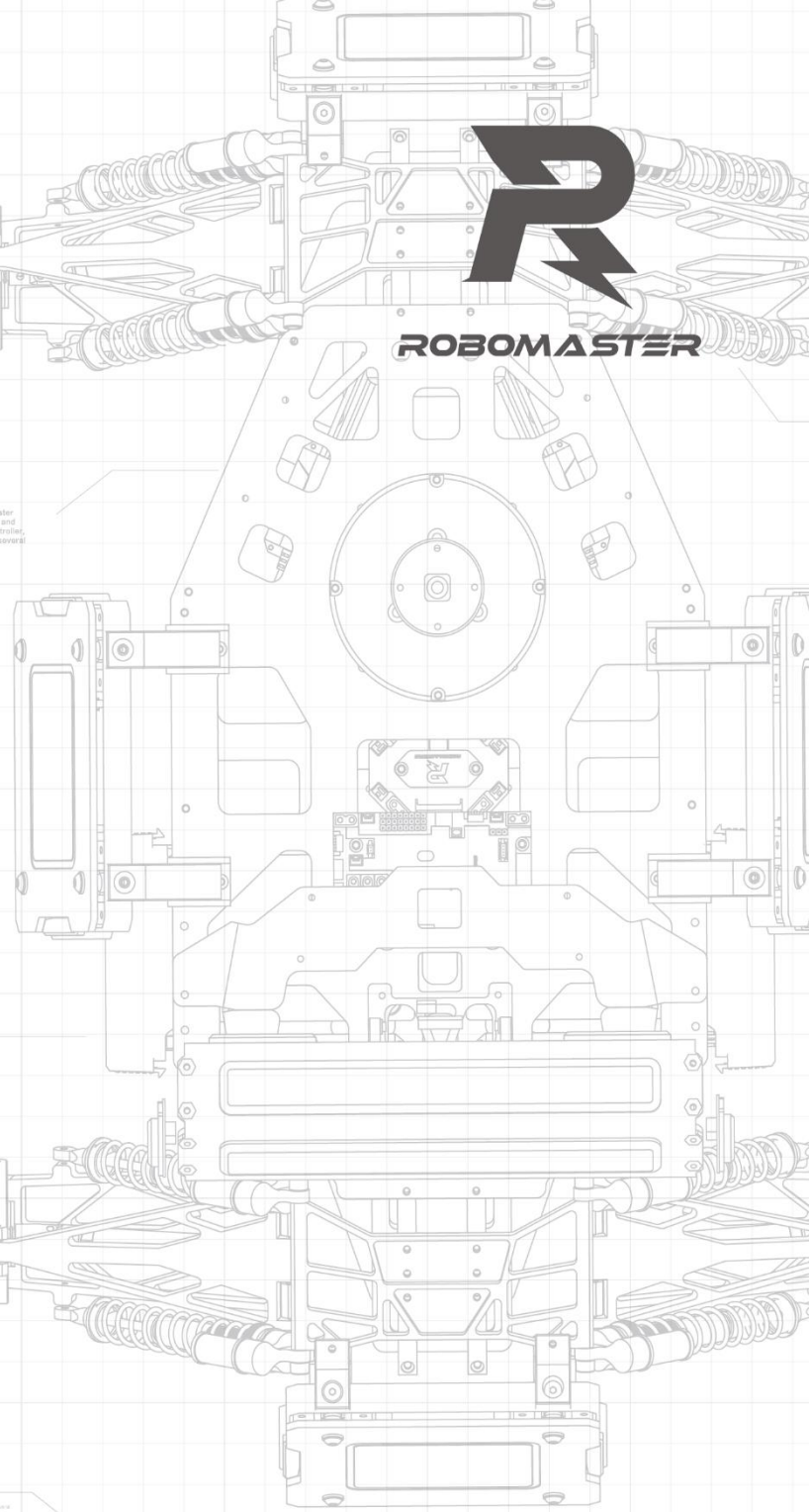
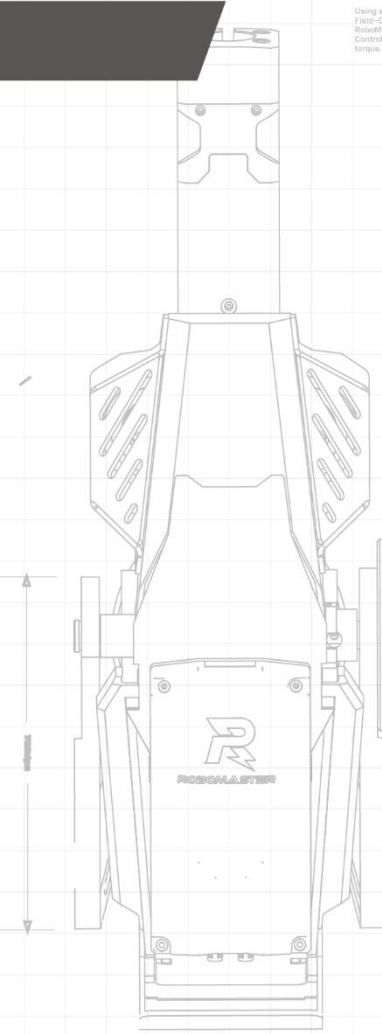
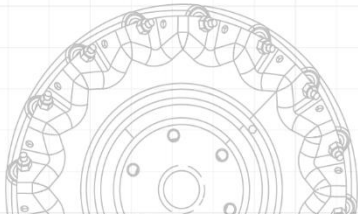
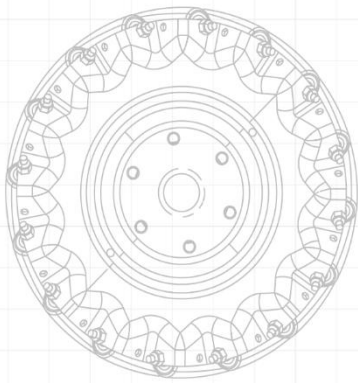
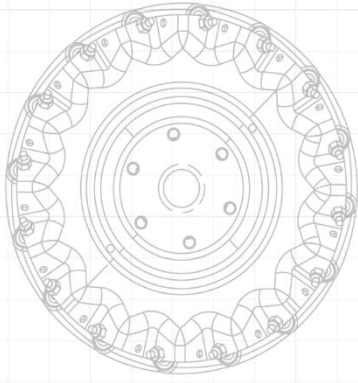
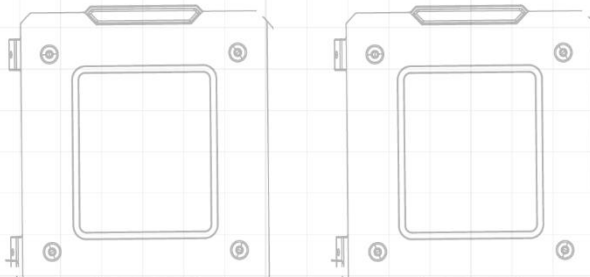
ROBOMASTER 2020

MANUAL

SUPPLEMENTARY

EDITION

Prepared by the *RoboMaster* Organizing Committee
Released on January, 2020



Amendment Notice for RoboMaster 2020 Robot Building Specification Manual

2.2.4 Aerial Robots

Production Requirements

S41 After the fully enclosed propeller guard is shot by a 42mm projectile at the speed of 12m/s from a distance of 2 meters, the robot is not allowed to transform and touch the propeller, nor interfere with the normal spinning of the propeller. The 42mm projectile cannot penetrate the mesh of the propeller guard, which should not have a surface area bigger than 9cm².

2.2.6 Dart System

Production Requirements

Addition: Compressed gas cannot be used in a dart system as launching power, but it may be used as power for mechanism control.

3.12.2 Installation Requirements

Addition: Any 3D-printed component used for fastening the charging device runs the risk of being melted under high temperature.

Amendment Notice for RoboMaster 2020 Robotics Competition Rules Manual

2.5.2 Power Rune

3. Activating state

If the Power Rune is in the activating state, and a projectile hits the armor module with arrow-shaped moving lights on the central axis of the mounting bracket within 2.5 seconds, the bracket will be fully illuminated. At the same time, the Power Rune will randomly illuminate one of the remaining four armor modules, and so on and so forth, as shown below:

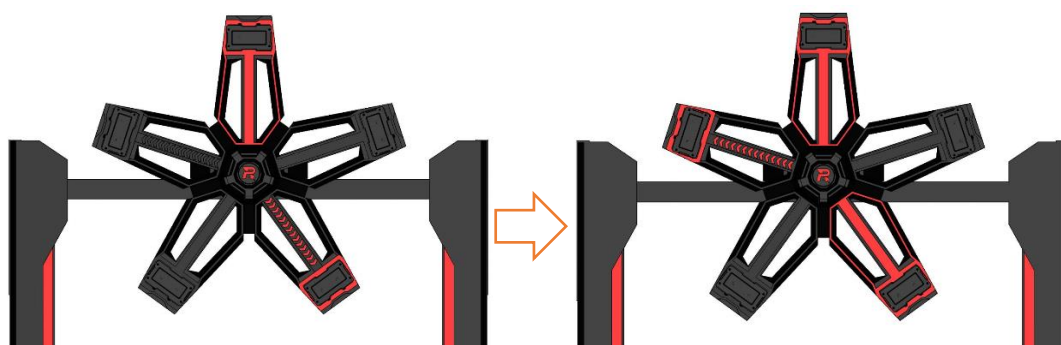


Image 0-1 Power Rune in activating state

2.2.3 Dart Launching Station

The material for the 1000*600 rectangular placement area on the sliding platform of the dart launcher in Image 2-11 is iron sheet (with magnetic attraction).



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