

Hobbyking KK2.0 Multi Rotor LCD Flight Control Board



Produit ID: 9171000073

WEIGHT : 55g

Designed by the Grand father of the KK revolution, Rolf R Bakke, exclusively for HobbyKing, the KK2.0 is the evolution of the first generation KK flight control boards. The KK2.0 was engineered from the ground up to bring multi-rotor flight to everyone, not just the experts. The LCD screen and built in software makes install and setup easier than ever. A host of multi-rotor craft types are pre-installed. simply select your craft type, check motor layout/propeller direction, calibrate your ESCs and radio and your ready to go! all of which is done with easy to follow on screen prompts!

The original KK gyro system has been updated to an incredibly sensitive dual chip 3 Axis gyro and single chip 3 axis accelerometer system making this the most stable KK board ever and allowing for the addition of an Auto-level function. At the heart of the KK2.0 is an Atmel Mega324PA 8-bit AVR RISC-based microcontroller with 32k of memory. An additional 2 motor output channels have been added to the KK2.0 allowing for a total of 8 motors to be controlled (Octocopter). A handy Piezo buzzer is also included with the board for audio warning when activating and deactivating the board.

If your new to multi-rotor flight or have been unsure about how to setup a KK board then the KK2.0 was built for you. The 6 Pin USBasp AVR Programming interface ensures future software updates will be quick and easy.

Specs.

Size: 50.5mm x 50.5mm x 12mm

Weight: 21 gram (Inc Piezo buzzer)

IC: Atmega324 PA

Gyro: InvenSense Inc.

Accelerometer: Anologue Devices Inc.

Auto-level: Yes

Input Voltage: 4.8-6.0V

AVR interface: standard 6 pin.

Signal from Receiver: 1520us (5 channels)

Signal to ESC: 1520us

Firmware Version: 1.2

Pre-installed firmware.

Dualcopter

Tricopter

Y6

Quadcopter +

Quadcopter X

Hexcopter +

Hexcopter X

Octocopter +

Octocopter X

X8 +

X8 X

H8

H6

V8

V6

Aero 1S Aileron

Aero 2S Aileron

Flying Wing

Singlecopter 2M 2S

Singlecopter 1M 4S

(Custom Mix via the "Mixer Editor" option)

The Mixer Editor allows you to adjust where and how much signal the motors receive from stick input and sensors. This allows you to create any configuration possible with up to 8 motors or servos.

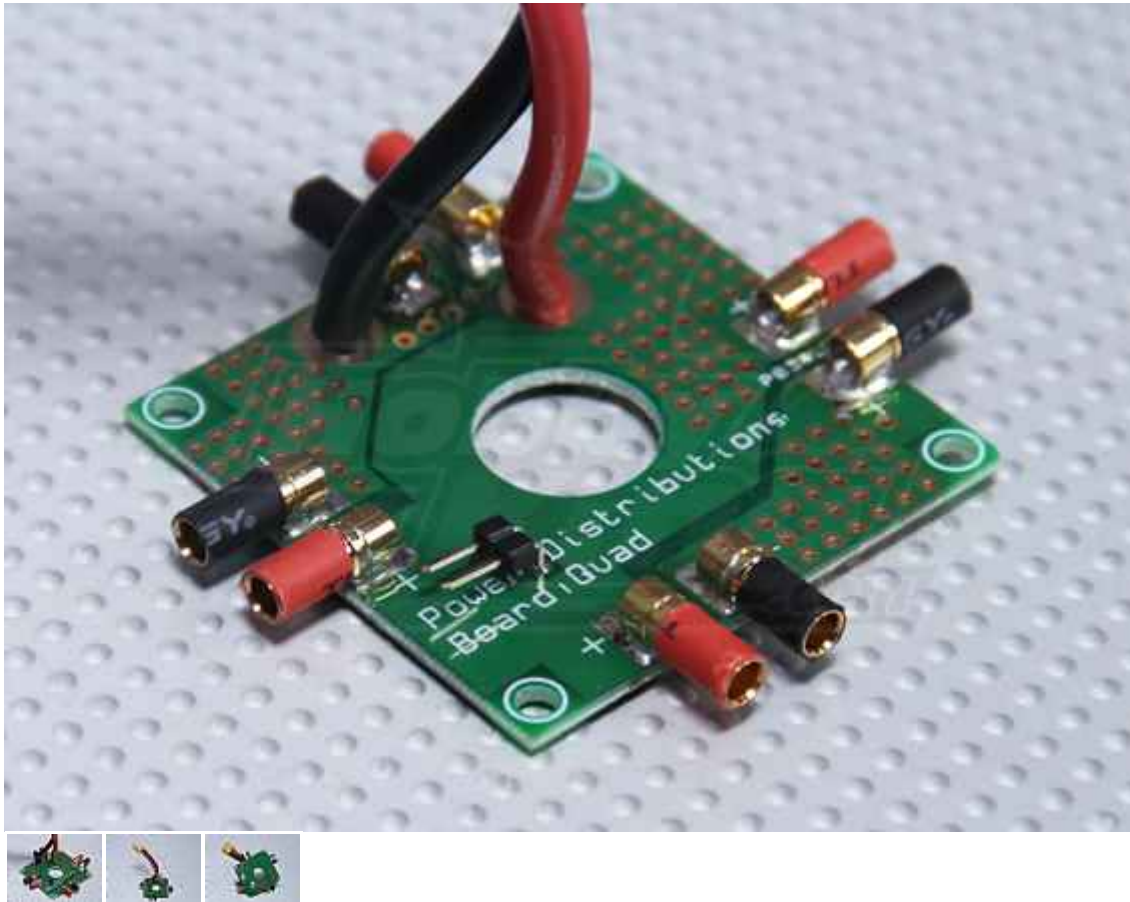
Whats is a Multi-Rotor Control board you ask ?

The HobbyKing KK2.0 Multi-Rotor controller is a flight control board for multi-rotor Aircraft (Tricopters, Quadcopters, Hexcopters etc). Its purpose is to stabilize the aircraft during flight. To do this it takes the signal from the three on board gyros (roll, pitch and yaw) then passes the signal to the Atmega324PA IC. The Atmega324PA IC unit then processes these signals according the users selected firmware and passes control signals to the installed Electronic Speed Controllers (ESCs). These signals instruct the ESCs to make fine adjustments to the motors rotational speed which in turn stabilizes your multi-rotor craft.

The HobbyKing KK2.0 Multi-Rotor control board also uses signals from your radio systems receiver (Rx) and passes these signals to the Atmega324PA IC via the ail, ele, thr and rud inputs. Once this information has been processed the IC will send varying signals to the ESCs which in turn adjust the rotational speed of each motor to induce controlled flight (up, down, backwards, forwards, left, right, yaw).

Note: A user manual is available under the files tab.

Hobby King Quadcopter Power Distribution Board



Designed in house by the HobbyKing Engineers, this handy power distribution board has the same foot print as our Multi-rotor control boards and is the ultimate solution for tidy power distribution wiring. Simply use 3.5mm male connectors on your ESCs and plug a battery in. The PCB is Gold plated for optimality efficiency and also features a bling port (aka 2 pin JST size auxiliary power out) Perfect for powering LEDs or any accessory fitted to your Quadcopter.

Features.

Current: **4 x 20A Outputs (MAX)**
Power Input: **XT60 with 12AWG wire**
Motor output: **4 x 3.5mm Female bullet plug**
Aux output: **2 pin JST compatible**
Weight: **27.3g (including wires)**

Product ID: 9171000033

PolyMax 3.5mm Gold Connectors 10 PAIRS (20PC)



3.5mm Gold connectors.
Rated to around 80A

Package contains 10 PAIRS (20PC) of connectors.

Produit ID: AM1001A

2822-1200KV



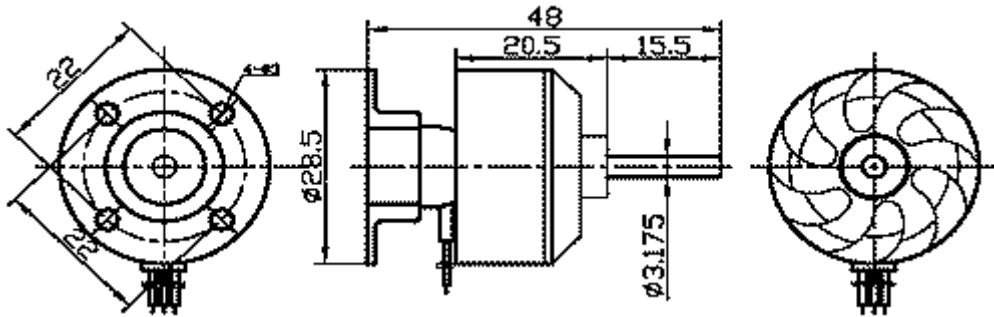
[+ More Images](#)

CF2822-14 1200KV Outrunner Brushless Motor

Item :	2822-14
Brand :	RCTimer
Unit :	Pcs
Weight :	0.060 kg
Features :	
List Price :	\$14.99
Price :	\$8.18 Save:\$6.81
Score :	9
	☆☆☆☆☆
Total Rate :	0.0
	Review Summary:8reviews Write a Review

[Detail Product Review](#) [Write a Review](#) [Send to Friend](#)

CF2822-14 1200KV Outrunner Brushless Motor



Model: CF2822-14
Motor size: $\Phi 28.7 \times 32$ mm
Shaft size: $\Phi 3.17 \times 48$ mm
Weight: 50g
KV(rpm/v): 1200
Max Power: 200W
Battery: 2-3Li-Po
Prop: 8x4/10x5
Ri(M Ω): 0.118
ESC: 30A

3.17mm Brushless Motor Adapter

[Home](#) > [Brushless Motor](#) > [Motor Adapter](#)

3.17mm 

3.17mm Brushless Motor Adapter 3.17-ZDT



[+ More Images](#)

Item : 3.17-ZDT
Brand : RCTimer
Unit : Pcs
Weight : 0.030 kg
Features : Free Shipping
List Price : \$2.99
Price : \$1.00 Save:\$1.99
Score : 1

Total Rate :



0.0

Review Summary: **3** reviews | [Write a Review](#)

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3.17mm Brushless Motor Adapter



[SK-30A SimonK Firmware Multicopter Speed Controller ESC 30A](#)

Item :	SK-30A
Brand :	RCTimer
Unit :	Pcs
Weight :	0.060 kg
Features :	SimonK Firmware
List Price :	\$24.00
Price :	\$12.49 Save:\$11.51
Score :	13  0.0
Total Rate :	Review Summary: 31 reviews Write a Review

Detail Product ReviewWrite a ReviewSend to Friend

RCTimer SK ESC 30A Brushless Motor Speed Controller

[The code used was developed by SimonK. we have pay the royalties to SimonK!](#)

Input voltage:DC 6-16.8V(2-4S Lixx)
BEC:5V 2amp
Running current:30A(Output: Continuous 30A, Burst 40A up to 10 Secs.)
Size: 36mm (L) * 26mm (W) * 7mm (H).
Weight: 32g.

Note: This ESC don't included manual.

Package:
1* 30A ESC

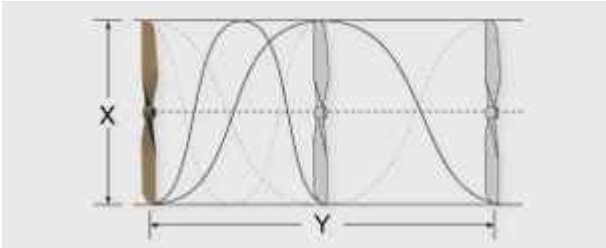
Slow Fly Electric Prop 9047 SF (4 pc - Green)



Slow Fly Electric Prop 9047 SF (4 pc - Green)

Produit ID: 9329000024

Product Config Table



Length (Inch [X])	9
Pitch (Inch [Y])	4.7

WEIGHT : 49g

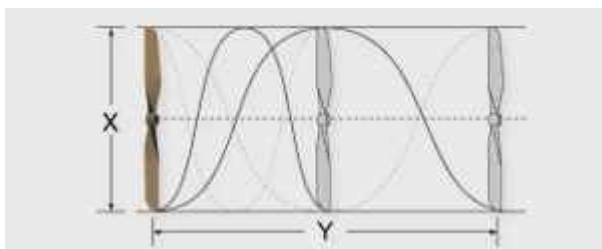
Slow Fly Electric Prop 9047R SF (4 pc - Green Right Hand Rotation)



Slow Fly Electric Prop 9047R SF (4 pc - Green Right Hand Rotation)

Produit ID: 9329000025

Product Config Table



Length (Inch [X])	9
Pitch (Inch [Y])	4.7

WEIGHT : 45g