

# Getting started with hobby quadcopters and drones

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Getting started with hobby quadcopters and drones, How to? It is a time consuming task and much boring as well to do the research how to manufacture a quadcopter.

This is the reason to write this article so that the reader may be able to get the knowledge and guideline about making customizable, cheap, simple and different manned quadcopters.

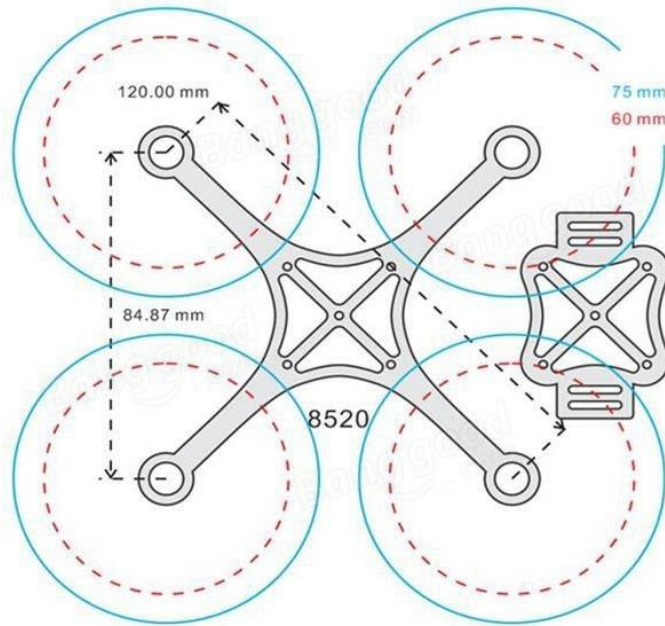
You must have hardware and software skills when you are supposed to make your own quadcopter. if you are successful, it means that you are going to feed and speed up your inspiration. If you want to make your own designer quadcopter, you can explore different examples from this article.

**A quadcopter is an ideal for different tasks like aerial photography, research and to know the thick and thin rules of construction major projects.**

So let us take a glance at getting started with hobby quadcopters and drones these five examples.

## **#1. Sturdy quadcopter:**

This quadcopter guide has been written to make a simple quadcopter for the beginners. When you research from online resources, you will get many ways that will lead you step by step to make a quadcopter. This guide has been written to plug and play system with a simple and cheap programming code. All of the components are purchased from online stores only on a single call or order.



## #2. Basic quadcopter:

This basic quadcopter guide is once again to tell the steps to make a quadcopter at home. There are two versions of this basic quadcopter that are with long and short arms step by step.

## #3. Build a quadcopter from scratch:

Another way to build a quadcopter is with the help of scratch. There are different property videos that describe step by step to build a quadcopter. The whole list of the components is given in the articles and details as well that how they can be used.

## #4. Easy DIY quadcopter:

Number four is of the easy DIY quadcopter that is easy for the experts but a little tough for them who are the beginners. These are the great things that are built with small amount of money and with little hard work. Some people are interested in doing something new all the time. This is the guide that is ready to tell the ways through which help you can add new things in this project as well.

## #5. First DIY quadcopter built:

There are many guidelines through which one can make his own quad copter or quadcopter. When you are done with the whole research, you can make your own one and the ice will be broken that you are worth doing something. This guide is loaded with list of information that can be assembled at a point by making one piece of quadcopter.

This is how a quadcopter guide helps you to make a great thing. This is a very cheap qudcopter to be built at home and you do not need to pay a big amount in this perspective.

**If you have ever wondered what you need to getting started with hobby quadcopters and drones, this is the place for you. In this article I am going to outline all the basic components that are necessary to get started building your own quadcopter.**

**First**, you are going to need a transmitter. The transmitter is the radio control that you use to communicate with your unmanned aerial vehicle (UAV). There are various types of transmitter that are categorized by brand, frequency, and number of channels. For a quadcopter you need at least a 4 channel transmitter, but I would suggest getting a 6 channel transmitter that works on the 2.4GHz frequency.

**Second**, you will need a [flight controller board](#). This is the brains of the quadcopter. It controls how the motors work. When choosing your flight control board, it is important to remember that not all flight control boards are created equal. Some are extremely sophisticated and capable of numerous functions such as GPS mission planning, return to home, and loiter modes. [Choose best flight controller](#) board based only on what you really need, when you are just getting started you will not need all the bells and whistles.

**Third**, you will need the motors and electronics speed controllers (ESC). The ESCs interface with the flight control board, which receives commands from the receiver. The flight control board calculates what the motors need to do to make the quadcopter do what the user is telling it to do, then tells the ESCs which in turn tell motors how to spin.

**Fourth**, you will need a battery to power all the electronics. Lithium Polymer (LiPo) batteries are the most popular batteries for the RC hobby. LiPo batteries are characterized by their number of cells (voltage) and capacity (mAh). Each LiPo cell has 3.7V, so a 1S (1 cell) battery will be 3.7V, a 2S battery will be 7.4V, 3S 11.1 V and so forth. Capacity is rated in milliamp hours (mAh). The higher the number of mAh, the longer the battery can power the quadcopter, you can get more [quadcopter flight time](#).



**Lastly**, you will need a frame to put all this onto. There are many commercially available [quadcopter frame sizes](#). Some are in the + configuration, which means one of the arms acts as the “forward” orientation. Some are in the X configuration, which means that “forward” is between two of the arms. There is also the H frame where forward is on the flat side of the H. H frame is great for FPV and aerial photography since the rotors are out of the way.

**The frame is the most easily customizable part of the quadcopter however, and if you like you can build your own frame and really give your quadcopter a personal touch.**

**Getting started with hobby quadcopters and drones It’s worth seeing**

- [Beginners guide to quadcopters and FPV](#)
- [Components of quadcopter what parts combination will work with each other](#)
- [How to Building your own drones In a few simple steps](#)

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