



## Johnson City Radio Controllers

AMA # 2306

120 Lancaster Road, Kingsport

April 2016

### CLUB OFFICERS:

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## President's Report

### Greetings and salutations!

I just want to give a moment of time to recognize the most important people in our club. No...not me, not any one person, I am talking about our club members. No one person can make a club great, our collection of helping individuals is the core of what makes our club is a growing personification of our abilities and dreams. This is what makes JCRC a great club and will continue to encourage our growth in the future.

Some people are timid about helping. Are you worried about not doing things correctly and perfectly? Everyone seems to be a better pilot than you, wrong! Everyone is different, perfect doesn't happen!!! I watch other people flying, look at their aircraft, and add what will work best for me and forget the rest.

Volunteers run our club, but don't think about volunteering for everything, I'm just asking everyone to help out at one event a year. If everyone helps out just once a year, we could have an outstanding events every other weekend! We will have no limits on what we want to do if everyone helped a little!

Think about our club, more people, means more knowledge and a lifetime of skills that everyone can learn. We have great pilots in all ages, but we also have great builders. We have seen a horse, dinosaur, a super hero and, even a starship in the air at our field. Now that's creative thinking and building!

If you have never been in a fun fly, mark your calendar and make sure that you enjoy this year's events with your friends. Keep your eyes open and enjoy all of the fun our hobby offers.

### April is going to be a very busy month for us at the field!

7, Return of Thursday evening flying (Night Flying).

23<sup>rd</sup>, Work Day At Bowers Ridge. 10:30am start.

30<sup>th</sup>, Fly-in and Swap Meet. 9:30 start. -Anthony Hall

Night flying will be taking place every Thursday evening, so bring them out!

**Notice;** Hobby Town is now stocking motors and speed controller for the bloody baron combat planes. Grab one before your buddy beats you to it. You can get the foam from Dollar Tree (2 sheets for \$2.00) a real bargain!

*Don't forget, our Halloween Fun-Fly and Weird Aircraft Competition will give a cash prize for the winner!*

**Reminder;** the AMA is now requesting that all members register on the FAA website (<https://registermyuas.faa.gov/>). Placed your FAA number inside each of your aircraft just like your AMA number.

Once you have completed your registration, please send a copy of your proof of registration e-mail to our club secretary, Michael Lick ([secretary@flyjrc.com](mailto:secretary@flyjrc.com)).

The March JCRC Monthly meeting will be held, at the Harbor House Restaurant located in Johnson City on March 28, at 6:45pm. Please show up early so you can enjoy your meal before the meeting. **This will be our last indoor meeting of this winter.** Starting in April, club meetings for the summer will all be at our airfield.

Thanks! Clear skies, smooth air, and safe landings!

Anthony Hall  
JCRC President  
E-mail: [president@flyjrc.com](mailto:president@flyjrc.com)

## Get Involved

There are many activities on the schedule at the JCRC field. Come out and join in the fun. Some of the activities which will occur this summer:

### Combat



Several people have constructed a FliteTest Bloody Baron for combat.

### 250 Quad Racing



Come to the lower area and join in 250 Quad Racing.

### FPV Flying



HobbyKing Bixler getting ready to become a FPV plane.

## Coming Events

*March 29<sup>th</sup> – Club Meeting at the field*

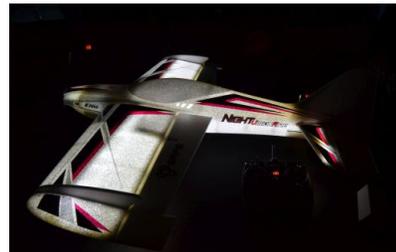
*April 7<sup>th</sup> – Return of Thursday Evening Flying and Night Flying*

*April 23<sup>rd</sup> – Workday at the field 10:30 start*

*April 30<sup>th</sup> – Fly-in Swap Meet 9:30 start*

*May 5<sup>th</sup> – Start of Thursday Night Grilling*

### Night Flying



A new event this year is Night Flying. Night Flying will continue on Thursday evening flying through the summer. Get a night flier ready.

### Pattern Flying



Come see and learn from Jerry, Dennis, and Vic. They are the best pattern fliers around.

## Scenes From The Field



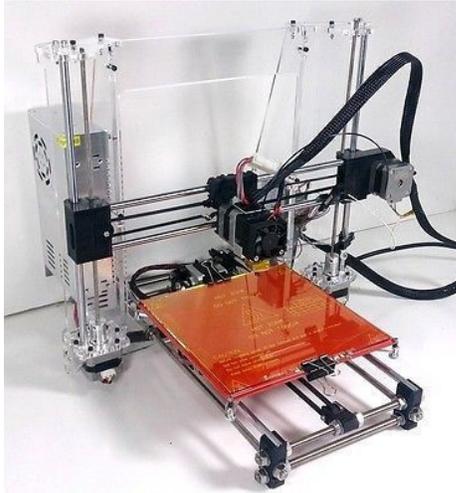


# 3D Printers and R/C

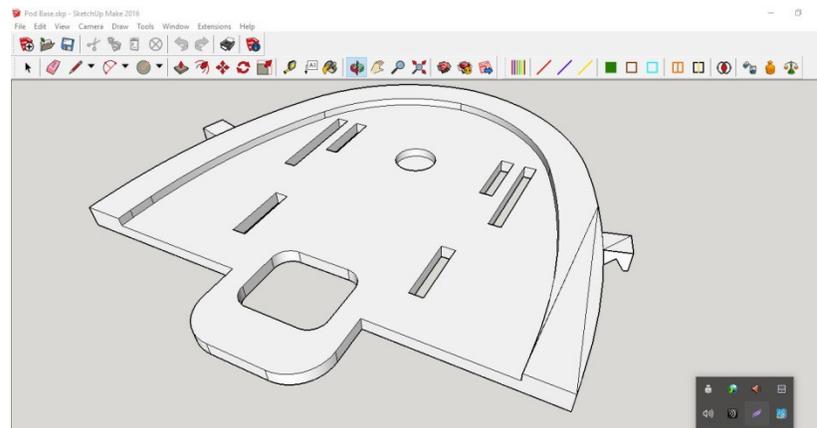
by Dave Collea

About a year ago I did a show and tell at one of our club meetings. I brought my newly built 3D printer for a demo. It seemed to generate a lot of interest and I have had several questions from members since then. I wanted to share with you how I've used the printer in my latest RC build. But first I will give the details on the printer and the tools I use for design work.

The printer I have is a Folger Tech Prusa I3 and it now sells for an amazingly low \$279. Details can be found on their website [www.folgertech.com](http://www.folgertech.com). This is a great printer for the money and it can be upgraded if your needs change. The assembly can be a little challenging but if you enjoy building, which most of us do, then it would be right up your alley. I needed the help of Youtube for assembly. There are some great build videos for this and other printers. Once the build is complete, the setup begins. Again, Youtube is your friend and the main resource for setup and troubleshooting.



For design work I use a program called Google Sketchup. You can find the details and [www.sketchup.com](http://www.sketchup.com). The learning curve for the software is not that steep and ...Youtube is key to learning the correct way to use the product. The best part is the software is reasonably priced... FREE ©



Now on to my project...

My latest build is the Mini Sky Hunter plane. This is a dedicated design for FPV (First Person View) with its pusher prop and large payload area. I plan on flying FPV with this plane and needed a way to mount the cameras. There is one company that offers precut ABS plastic pods out there ([www.cxndesigns.com](http://www.cxndesigns.com)) but the one they offer was not high enough for my pan/tilt camera that I was going to install. I decided to design and print my own. It took about 3 printed versions to get it exactly the way I wanted but that is what is nice about printing your own. If something does not suite you just change it and print again. The pod I designed was custom made for the Fatshark pan/tilt FPV camera and the Mobius 1080p video camera.

I mainly print using ABS filament now, it easier to work with than PLA and other plastics. It comes in many colors and sells for about \$23 for a 2.2kg roll. One roll will last quite a long time and it is easy to change colors when you need to. My full project can be downloaded from

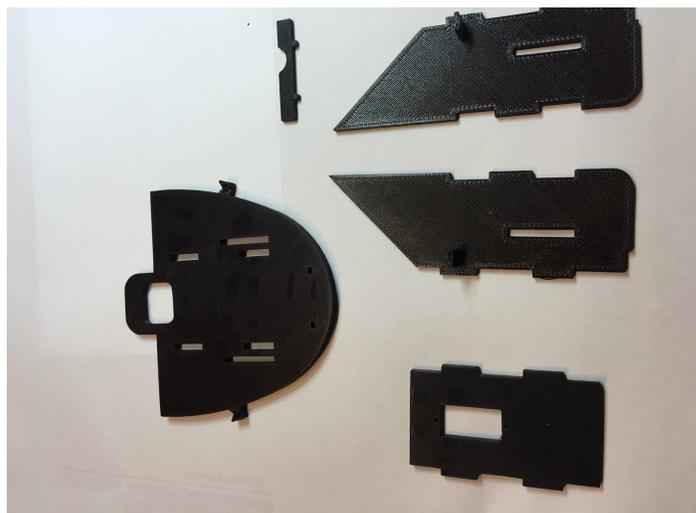
[www.thingiverse.com](http://www.thingiverse.com), just do a search for Mini Sky Hunter camera pod. Thingiverse is a great resource of user designs that are shared for all to view, download, print and customize to your liking. There are many RC related "Things" on the website and all can be downloaded and printed for free.

I'll describe the printer build in terms we know. My printer is "Stick Built". It's basically a box of parts that need to be cut, assembled, programmed and customized in order to print. However, there are "ARF's" available out there. These printers come ready to go and take most of the hard work (or I say fun) out of it. You will pay more for these though an example being the Solidoodle 4. This printer has a slightly small printer bed and it sells for \$799, but with that you just open the box and go. I'm quite confident in saying that most anybody can build and configure one of these with a little research and again, a lot of Youtube. Enjoy

### Mini Sky Hunter



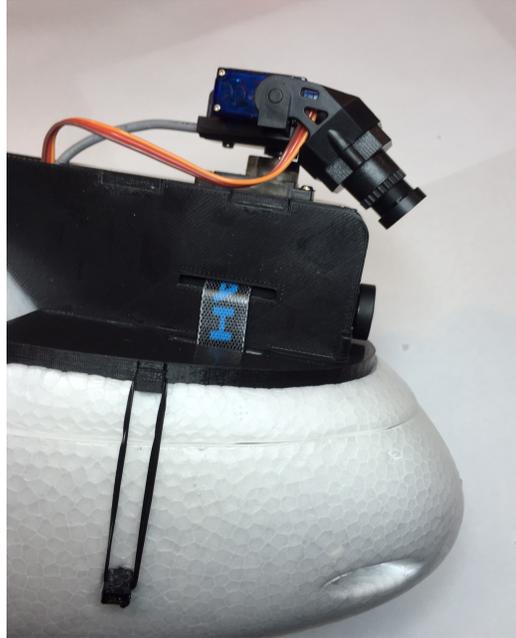
### Pod Parts



## Pod and Camera



## Installed on the Sky Hunter



Michael Starnes  
1430 Glenmar Ave  
Mount Carmel, TN 37645

Next Meeting  
March 29<sup>th</sup> at Harbor House in Johnson City 6:30

Address correction requested

**Our Proud Club Sponsors:**

**Hobby Town USA**

3515 Bristol Highway

Johnson City, TN

423-610-1010

<http://www.hobbytown.com/tnjc>

**Benedict's Ace Hardware**

3607 N. Roan Street

Johnson City, TN

423-282-1950

***Notice to Membership***

*Access to the "Members Only" section of the  
JCRC Website is as follows:*

*Username= jcrc (lowercase)*

*Password=00 + current gate combination*