

## The best 3D trainer??



### Precision Aerobatics Addiction

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Member Contributor

FAST FACTS	
<b>Construction:</b>	Fiber fusion construction is light and strong
<b>Wing Loading:</b>	8-9 ounces per square foot stock.
<b>Motor:</b>	The Thrust 20 from PA has been great
<b>Batteries:</b>	The 1800 mAh V2 from PA works well
<b>Flight Duration:</b>	10 minutes steady hover or 14 flying
<b>Servos Used:</b>	PA metal gear BB, lightweight servos
<b>Propeller:</b>	The 11 x 4.7 SF works well
<b>Street Price:</b>	149.99
THINGS I LIKED	
	3D capability
	Low wing loading
	High quality
WHAT TO IMPROVE	
	Poor threads in blind nuts on landing gear

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### Overview

I am fairly new 3D flying but have accumulated a bit over 40 hours with the Precision Aerobatics Addiction. I do not have any connection with PA but I have enjoyed this model so much that I felt it worthy of sharing my opinions about it with others.

### What's Included?

If you buy the kit with the factory IPA setup, you will have essentially everything needed to build an Addiction except for glue.

### Materials & Packaging



The model comes well packed. I especially liked the "Do not crash" warning stamped on the outside of the box. The quality of the kit in my opinion is quite good. The most unique part of this model is the "Fiber Fusion" technology which to be honest I originally thought was just more of sales pitch. But after more than a few unintentional contacts with terra very firma where after a careful inspection I amazingly found NO damage to the airframe I came to highly respect the construction method.

## Instructions & Assembly

The instructions are quite good and the assembly was not difficult. Building the CF control rods is a bit tedious but does result in a nice light and stiff part when completed. Splicing and soldering the servo extensions for the tail servos to eliminate the weight of the plastic connectors of an extension cable is another example of how this kit has been fine tuned to save weight wherever possible.

If you want to minimize the build time and end up with a tested product, buy the factory IPA setup (Motor, Prop adaptor, ESC, batteries, CF spinner, CF control horns and servos) The factory Thrust 20 motor will drop right in and comes with the needed mounting hardware. I have built 2 of these with the factory setup which took a little less than a day to build. I have also built two Addictions with larger motors that required modifying the firewall (the assembly instructions warn against modifying the firewall) and these required an additional 3-4 hours of fiddling.. not including the time spent running to the hobby shop for special fasteners. On 3 of the 4 Addictions I have built, I have encountered problems getting the landing gear bolts to thread into the blind nuts that are factory installed into the fuselage. If this happens to you, do NOT try to force the bolts in or you will likely pop the blind nuts loose about the time the bolt is jammed into the blind nut and it is a pain to cut loose. Instead use a 3mm tap to clean up the threads in the blind nuts and the bolts will go right in. PA is aware of this problem so hopefully you will not encounter this aggravation. I would also recommend that you add a couple drops of CA glue to the servo mounts in the wings. I have had one of these pop loose and noticed one other that was not glued properly during assembly. With the large throws these mounts get a lot of stress put on them.

## Flying



This plane could actually be used for training set on low rates but on high rates can do anything that you want. There is no tendency for

the tips to stall or a wing to drop when using extreme amounts of elevator, this is a real comfort when you are messing around a few inches off of the ground. I find the model to be very predictable though as with all light models it is more affected by wind and turbulence than heavier ones. I try to fly early in the AM and late in the evenings when possible to get smooth flying conditions to practice in. And yes, it really can fly as well as the videos show it can though I am not there yet! I can finally hover out a whole battery if I want and catch the plane in flight..harrier rolls are next.. The most amazing part to me is that I still have the original two Addictions that I built to learn 3D with. I have tried to be careful and probably have been lucky but this plane has a lot to do with both my success so far. With the light wing loading and the exceptionally effective large control surfaces the beginner gets a fighting chance to make the right control inputs. Things happen slower with a light model which gives you extra time to reverse an input and maybe avoid a crash. And if there is a crash, again you have a pretty good chance with this plane that you will get to fly again rather than have to return to the building bench. To date knock on wood, I have not damaged the airframe in either of my two original Addictions and have accumulated 40+ hours of airtime on them. Note that I did NOT say that I have not crashed! I have broken a landing gear, wheel pants, a prop and a cowl but the airframe has remained intact so far.. If trying to learn 3D I would order spares of the items listed above! Interestingly, my wife's two Addictions which both are heavier due to larger motors, batteries and servos have both suffered extensive airframe damage from her crashes and I feel sure that the extra weight is a factor. There are a LOT of little pieces in an Addiction to break + there is carbon fiber running all through it so repairs are not much fun. After flying 3 different setups on Addictions, I definitely recommend the factory IPA setup for beginners due to the lighter all up weight and I find that for myself that the Thrust 20 provides plenty of reserve power running on the PA V2 1800 MAH batteries. Landings are really easy, just be sure that you are headed straight into the wind (especially important with light wing loadings) and ease her down. It really does help if you flip to low rates on the elevator when landing. The manual gives recommended rates, expo and throws along with a handy measuring gauge to check the deflections on the control surfaces. I reduced the amount of Expo somewhat but have found that the rest of the factory recommendations are just about right for me.



## Conclusion



It is my opinion that for someone wanting to learn 3D flying that this model may well be the best one of all to learn on for the reasons I list in the flying section of my review. It's hard to imagine anyone not enjoying this plane!