



## Optimized RealFlight RC Flight School Plane Installation and Spektrum Programmable Transmitter with Wireless Dongle Setup

These are some of the hyper realistic RealFlight models that 1st RC Flight School uses for sim training. While installation might appear complicated, just follow step by step... Est. time 15 min.

[HobbyZone AeroScout](#)

[E-flite Apprentice](#)

[E-flite Timber 1.5m Novice Sport](#)

[E-flite Timber 1.5m Sport](#)

[E-flite Timber 1.5m Sport +3D](#)

[E-flite T-28 1.1m \(fixed gear & no flaps\) / Base model / Yellow vehicle scheme](#)

[E-flite T-28 1.2m \(retracts & flaps\) / Base model](#)

[Carbon-Z T-28 2m / Base model](#)

[E-flite Ultra Stick 60" elec](#)

[Hanger 9 Ultra Stick 30cc](#)

[Flex Innovations RV-8 Sport+3D / Base model / Red scheme](#)

[Pitts S2B 50cc](#)

[Twisted Hobbies Crack Yak / Base model](#)

[E-flite Extra 300 1.3m](#)

[Extra 300L 120cc IMAC](#)

[PAU Edge 540 IMAC +3D](#)

[Extreme Flight Laser 200 IMAC +3D / Base model](#)

[Extreme Flight Extra 300 IMAC / Base model](#)

[Flex Innovations Edge IMAC / Base model](#)

[Flex Innovations Edge IMAC +3D / Base model](#)

[Extra 330SC / Base model](#)

[Oxai Pinnacle / Base model](#)

[Revo F3A Pattern Plane / Base model](#)

[Apollo F3A Pattern Plane / Base model](#)

[E-flite P-51D 1.5m elec](#)

[P-51 60cc Ms. America Racer / Base model](#)

[P-51D 60cc Fighter](#)

[P-38 Lightning / Base model](#)

[F7F Tigercat / Base model](#)

[E-flite A-10 Thunderbolt 70mm](#)

[E-flite Viper EDF 70mm](#)

[E-Flite F-16 EDF](#)

[Havoc Xe Jet](#)

[F-104 Starfighter / Base model](#)

[F-16 Fighting Falcon Turbine / Base model](#)

[F/A-18 Super Hornet / Base model](#)

[EF-111 Raven / Base model](#)

[F-117 Nighthawk / Base model](#)

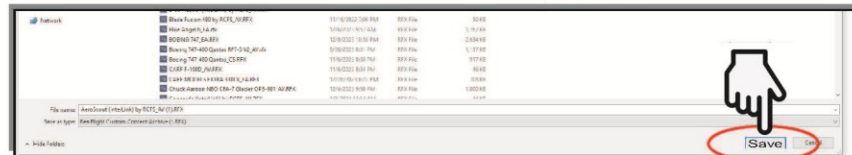
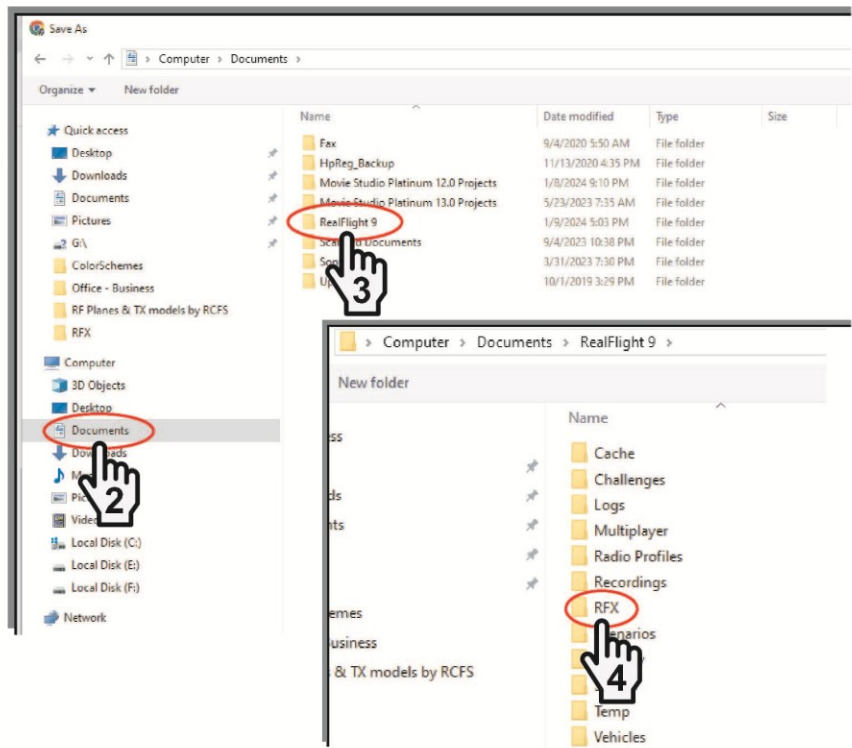
[B-58 Hustler / Base model](#)

[B-1B Bomber / Base model](#)

[Concord / Base model](#)

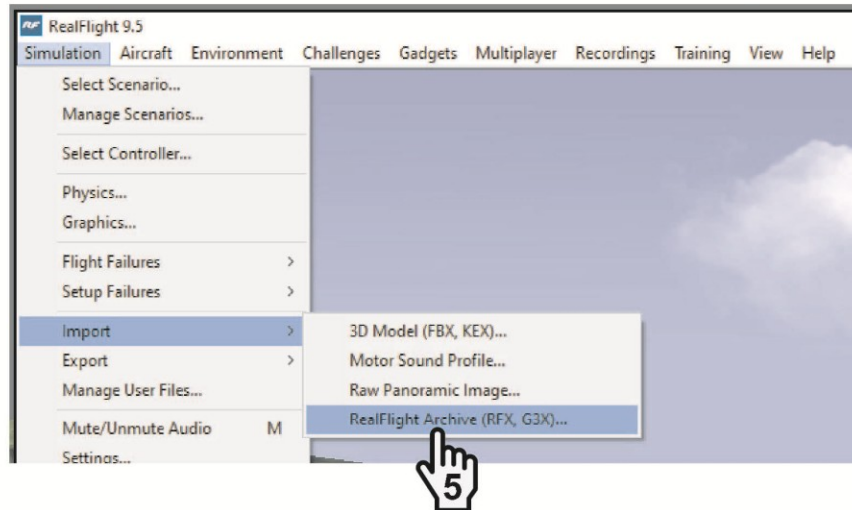
## Custom RealFlight Aircraft Download and Installation:

1. Click on the aircraft Download link. Save File As window will open.
2. Click on "Documents" (usually on the left margin of the window)
3. Double click Click on RealFlight.
4. Double click on the RFX folder > Then click Save.

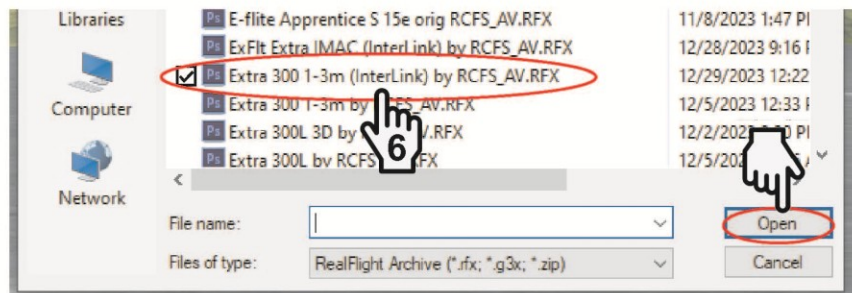


Next Import the aircraft file into RealFlight...

5. Start RealFlight. Click Simulation, highlight Import > click on RealFlight Archive (RFX, G3X)...



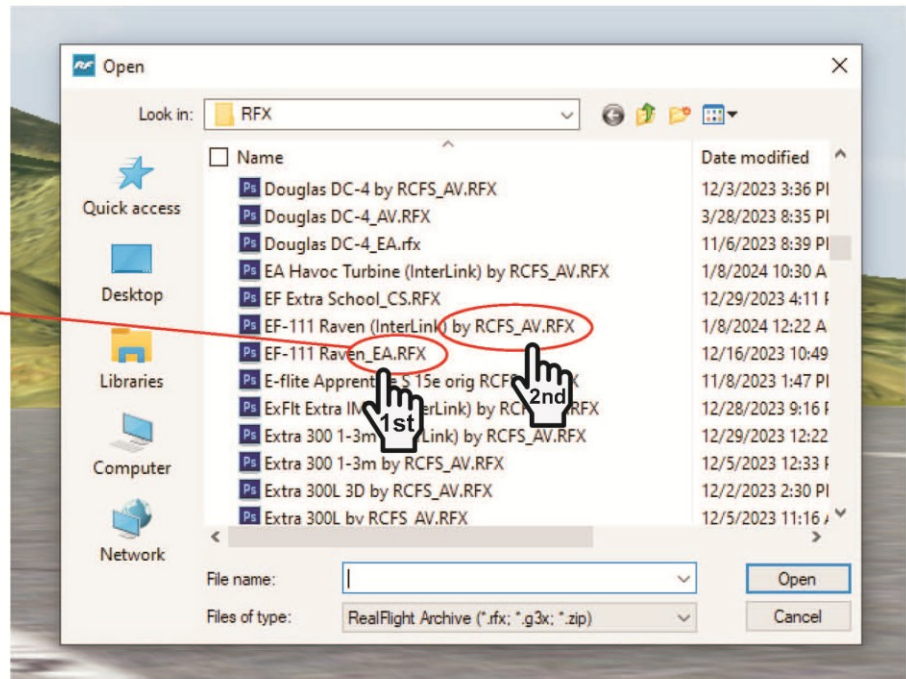
6. Select the plane(s) you wish to Import into RealFlight > then click Open (to Import into RealFlight).



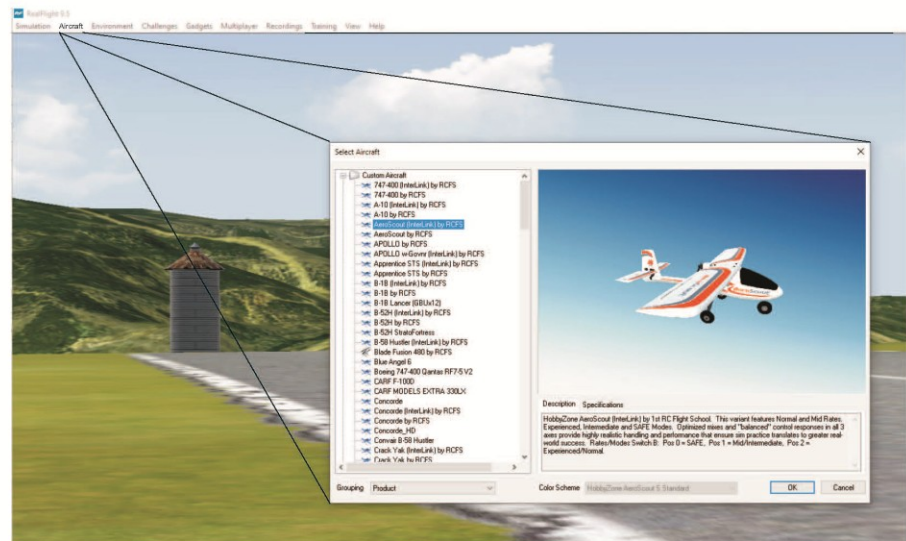
If an Import fails due to "This aircraft variant could not be loaded. It is based on an aircraft you do not have."

You'll need to Download and Import the default aircraft file ending `_EA.RFX` that the RCFS Aircraft Variant is based on.

After Importing the `_EA.RFX` Aircraft file into RealFlight, Import the Aircraft Variant ending by `RCFS_AV.RFX`



The optimized 1st RC Flight School Aircraft will be located in the Custom Aircraft folder for you to select and OK to fly.



## Transmitter Setup

**Option 1** Download the preprogrammed [RealFlight TX for RCFS PLANES](#) transmitter file for use with RCFS planes.

Save the [RealFit TX RCFS PLANES](#) transmitter memory to a **32 GB or less** blank SD card. Insert the card into your TX.

Scroll to System Setup > Transfer SD Card > Select Option > Import Model > Select RealFit TX RCFS PLANES

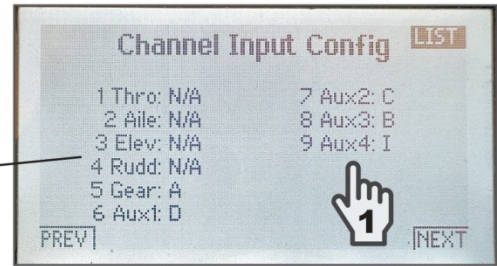
**Step 2** Download the preconfigured [Spektrum TX for RCFS Planes](#) file into RealFlight: Save To Documents > RealFlight > Radio Profiles

Open RealFlight > Simulation > Select Controller > Select [Spektrum TX for RCFS Planes](#) from list > Click on Calibrate and follow instructions.

**Option 2** Manually enter the Spektrum Transmitter and RealFlight Controller settings yourself...

**Using your own 7+ ch. Spektrum transmitter with RealFlight InterLink Planes optimized by 1st RC Flight School (RCFS):**

**1.** Create a new blank model memory. Scroll to System Setup > Channel Assign. Under Channel Input Config, assign channels as shown.



**2.** Start RealFlight. Under Simulation > Select Controller > Scroll down and select Spektrum Receiver (7+ ch)



**3.** Follow the instructions to Calibrate the Controller.

**4.** Make the following Edits to the Controller: Check Reverse boxes for Channels 1, 4, 6, 7

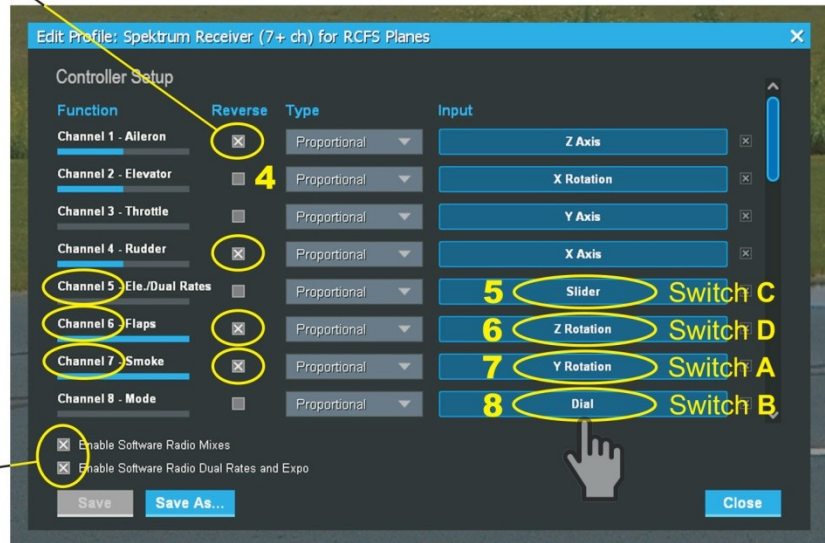
**5.** Select Channel 5 Dual Rates Input and toggle switch C on your transmitter.

**6.** Select Channel 6 Flaps Input and toggle switch D.

**7.** Select Channel 7 Input and toggle switch A.

**8.** Select Channel 8 Mode Input and toggle switch B.

**9.** Confirm the Enable Software Radio Mixes and Enable Software Radio Dual-Rates and Expo boxes are checked.



**10.** Save As... and name the Controller, e.g., My Spektrum TX with RCFS Planes

After these edits, most or all of the RCFS plane functions should work using a 7+ ch. Spektrum Transmitter...

| Switch A | Switch B                              | Switch C                              | Switch D                 |
|----------|---------------------------------------|---------------------------------------|--------------------------|
| Retracts | Modes/Rates                           | Dual Rates                            | Flaps                    |
| Smoke    | Pos 0 SAFE                            | Pos 0 Hammer Rates?                   | Spoilers/Speed Brakes    |
|          | Pos 1 Mid Rates                       | Pos 0/1 Mid Rates                     | Vertical Takeoff-Landing |
|          | Pos 2 Precision Rates                 | Pos 2 Precision Rates                 |                          |
|          | Brakes or Smoke                       | Wing Sweep                            |                          |
|          | Bomb or Drop Tank<br>Guns or Missiles | Bomb or Drop Tank<br>Guns or Missiles |                          |

If using a 10+ ch. TX, open the Controller Edit Profile and scroll down to Reset Input. You may be able to assign the I button on the TX to reset a flight instead of having to press the space bar.

Additional notes:

As in the real world, you will need to trim and possibly fine tune the rates to match the airplane exactly to your liking.

It is recommended that you do not change switch assignments due to how they likely interact with other functions.

If you encounter latency issues displaying RealFlight on a larger second monitor/screen, the solution is to Right click on your desktop > click on Display settings > scroll down to Multiple Displays > open and select: **Show only on 2**

If the plane often becomes too small, press the “Z” key twice to switch to Autozoom. Press + or – to zoom in or out.

Note that Chase or Onboard Views only work in 3D flying fields.

If you activate wind in RF, the wind feels stronger than the indicated mph, e.g., an indicated 5 mph wind in RF is like a 10 mph wind in the real world. A 10 mph wind in RF is more like 15 mph, etc.. The Home key controls wind direction. Pg Up - Pg Dn controls wind speed. Press Delete to remove turbulence (unless you wish to battle the plane).

Note that in order to capitalize on RCFS sim models, you must 1. Initially calibrate the Controller using a new model memory set to defaults. 2. Match the correct RCFS TX model memory to the RCFS RealFlight model. 3. Trim the model for straight and level upright flight in all 3 axes.



<http://www.rcflightschool.com>