Using the Spektrum DX6i with RealFlight G4

Setup for use with helicopters

The Spektrum DX6i can be used with RealFlight. To do this, please follow the easy steps below and you will enjoy controlling your RealFlight helicopters, including functions like Idle-Up and Throttle Hold.

Note: This tutorial is aimed at setting up the RealFlight and the DX6i for **Helicopter flying**. You may also setup another model slot on your DX6i for planes by following the plane setup tutorial.

The hook-up

To connect your DX6i to RealFlight, simply plug-in the cable that came in the RealFlight box into the back of the RealFlight controller (square connector) and connect it to the back of your DX6i (headphone like connector).

Please note, **do not turn on your DX6i**. Once you plug in the cable in the back, it should turn on automatically.

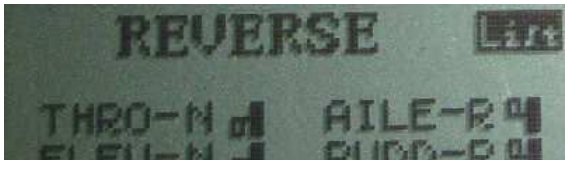
Model setup on the DX6i

For convenience, create a new model on your DX6i. To do this, use "Model Select" in the "Adjust List" and select an unused model (I used model 10).

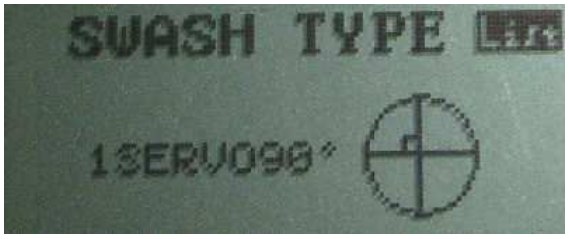
Set the model type to heli:

Name it something like "G4 Heli" in the "Model Name" screen.

Set the servo reversing like this:



Important: Set the swash type to "1 Servo, 90deg":

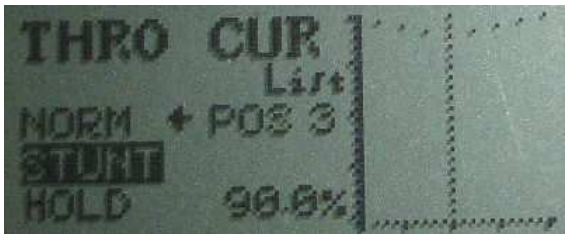


Then, in the "Adjust List" maximize all end-points in the "Travel Adj." menu:

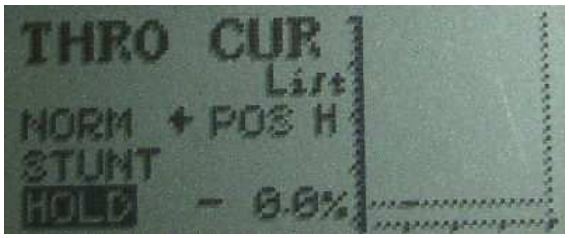
In the Gyro menu, set the switch to "SW-GYRO" and set the first state (0:) to 0% and the second state (1:) to 100%.

Here are the throttle curves I use for Normal, Stunt and throttle-hold:
Normal is 0-50-80-90-100

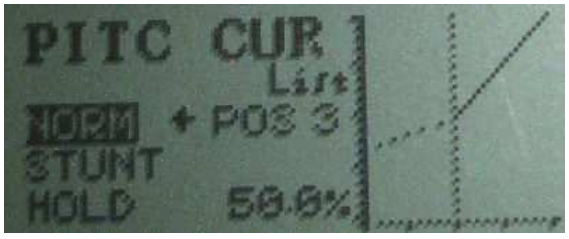
Stun mode throttle is 100-95-90-95-100



And throttle hold is just -0.0 (flat)

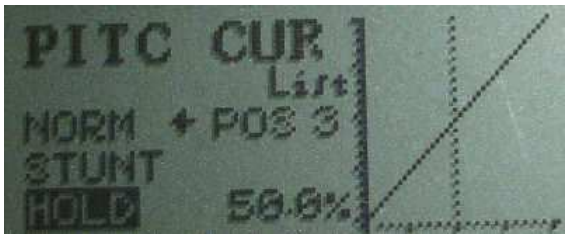


And the matching pitch curves (Normal, Stunt and hold again):
Normal curve is 35-42.5-50-75-100



Stunt mode is linear 0 to 100

And hold mode matches stunt (for auto-rotation training)

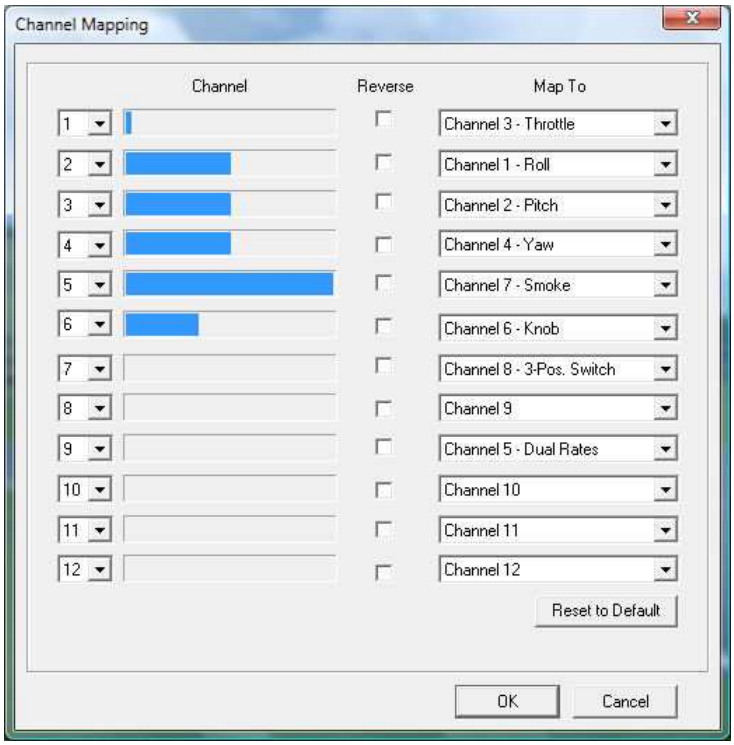


All done on the DX6i!

RealFlight channel mapping

After our transmitter is setup, we turn our attention to RealFlight. Launch the application and select "Interlink Elite Transmitter 6 channel" from the "Controller -> Select Controller" menu.

Then select "Channel mapping" and set as following:



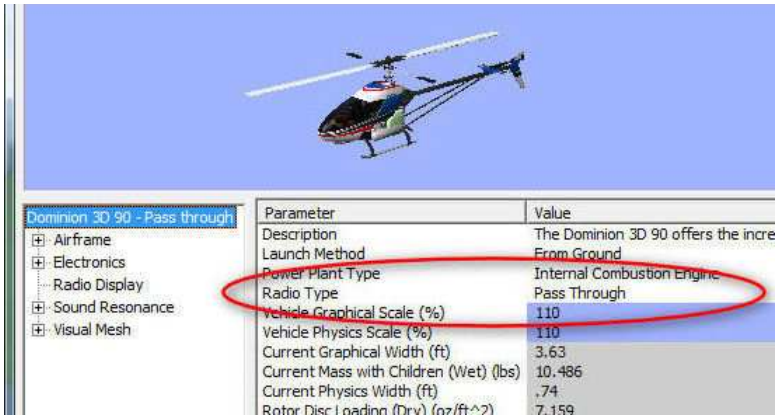
Helicopter model radio selection

If you followed all the step above and load up a helicopter model in RealFlight (like the Dominion 3D 90), you will notice that things don't quite work out as expected.

The model will spool up in normal mode with no throttle input and other functions like idle-up and throttle hold will also not behave as expected.

To fix this, we need to change the "Radio Type" for the model to "Pass through" To do this, click on the "Aircraft menu" and select "Edit Dominion 3D 90"

Locate the "Radio Type" option in the general model settings and switch it from "Software Radio" to "Pass through"



Save the model under a different name (Dominion 3D 90 - Pass Through) and go flying!

Tips and Tricks

- Feel free to enable exponential controls on your DX6i. The settings will work as expected in G4 as well.
- To reset your model after a crash, hit the space bar on your keyboard.
- Select the "Interlink Elite" controller one time at the beginning of your session and hit the reset button on the remote to validate your controller. Then switch back to the DX6i.

All done!

Your DX6i is now all setup and ready to control your helicopters in RealFlight G4.