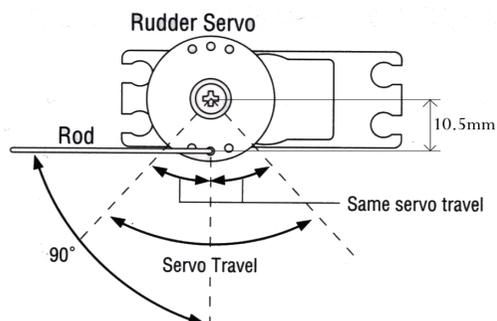


G6000T Gyro Set Up Instructions

Transmitter Set Up

1. Set **rudder travel adjust** on the transmitter to **150%**.
2. Set **rudder sub trim** to **0%**.
3. Make sure **mechanical** and **digital rudder trims** are set to **neutral**.
4. Set the **rudder trim rate** to **1 (PCM10X, X3810ADT)**.
5. Turn **off** all tail rotor mixing.
6. Plug gyro gain lead into AUX3 (PCM10) or AUX2 (X3810).
7. Plug select lead into AUX2 (PCM10) or GEAR (X3810).
8. Turn the receiver on.
9. Ensure tail rotor (rudder) is moving in the correct direction and reverse if necessary.
10. Set the travel adjust of **Select(AUX2/GEAR)** to **50%** in the normal position and **0 to -100%** in the low position. This allows heading hold to be disabled when the Select(AUX2/GEAR) switch is in the low position, but leaves heading hold enabled in the high position.
11. Ensure that the servo horn is at 90° to the tail rotor push rod when heading hold is off. **Adjust mechanically if necessary. (Use hole approx 10.5mm out on servo disc.)**



12. Ensure the **gyro** is working in the correct direction, reverse if necessary by using the REV switch on the gyro amplifier.
13. Using the transmitter adjust the gyro gain to be **80%** on the high side (*hovering*) and **50%** on the low side (*aerobatics*).
14. Now adjust the tail rotor rates and expo to the following:

Purpose	Rate	Expo	Use
Normal	60%	40%	Hovering
Stunt1	100%	60%	540° Stall Turn
Stunt2	60%	60%	Loops, Rolls, etc

15. Check the heading hold effectiveness by adjusting the Select(AUX2/GEAR) travel adjust and observing the change of lights on the gyro amplifier:

Travel Adjust	ON/OFF	BW1	BW2
100%	Green	Green	Green
75%	Green	Red	Green
50%	Green	Green	Red
25%	Green	Red	Red
0~-100%	Red	Red	Red

Set the travel adjust so that when tail lock is on you are running 50% tail lock effectiveness (Green,Green,Red).

16. Ensure the CTL and Gain switches are in the low position on the gyro amplifier (left side)

Model Set Up

1. In heading hold mode, adjust the sub trim of the transmitter to the point where the tail rotor does not drift from centre.
2. Out of heading hold mode (rate mode) use the trim pot on the amplifier so that the neutral change on the tail rotor servo is as small as possible when you change in and out of heading hold. Fly the model in heading hold (50% effectiveness) and adjust the sub trim on the transmitter until the model hovers straight.
3. Switch to non heading hold (rate mode), and adjust the linkage on the model until it hovers straight.

Advanced Set Up

Now adjust the heading hold effectiveness to suit your preferred flying style:

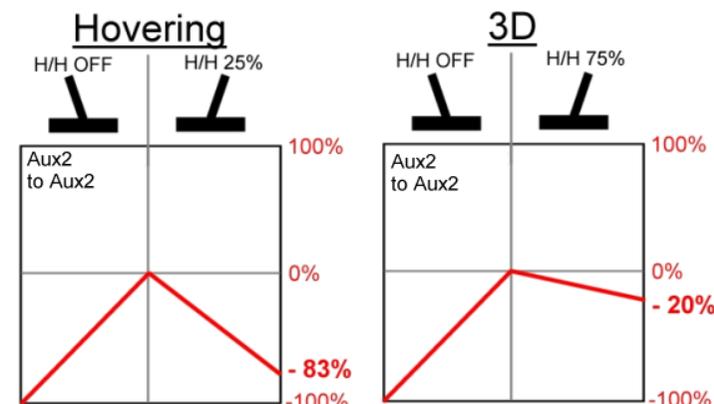
Purpose	Setting
3D Flight	75%
Normal Aerobatics	0% or 50%
Hovering	25%

You can have the your transmitter set so that in different flight modes you can automatically run different heading hold effectiveness without having to flick any switches.

To do this you need to create a mix that mixes the Select switch (*in this case AUX2 for PCM10 users, otherwise gear for X-3810 etc.*) to its self. Then you need to adjust the mix so that when the switch is in the normal flying position you get the amount of heading hold you require for a desired flight mode. Then only have this mix activated on that flight mode. You can then create several of these mixes, a different one active on each flight mode, to automatically adjust the heading hold.

By doing this when you flick the Select switch you will always be able to turn off heading hold, but with it in the normal flying position you will have varying amounts of heading hold effectiveness depending on what flight mode you are in.

Typical setting for hovering and 3D flight:



JR G6000T Set-up Addendum for Henesleit
3DNT and Rocket Owners

The Henesleit 3DNT and Rocket models incorporate a very powerful tail rotor that uses a gear ratio and mechanical pitch change ratio that is very different from the majority of model helicopters on the market today. This requires the gyro to have a different set-up to achieve the maximum possible performance of these two high quality combinations. Please adjust your gyro and transmitter to the following settings where they differ from the original instruction manual.

Please Note: Fine tuning may required. These values are given as a guide only.

(Figures used with the kind permission of Russ Deakin. For a more detailed review of the G6000T gyro in combination with a 3DNT please read the **October 2002** issue of **Model Helicopter World**)

Servo Horn Length : *14mm*

Travel Adjust (ATV) : *74%*

Exponential: *70%*

Heading Hold: *50%*

Tail Blade Length: *100mm*