**HT8 Module setup Instructions**

The HT8 module works with any radio. In general, there are two main channel mappings. Those two are Futaba and JR. If your radio is capable of mapping any control input to any channel you wish, then you can remap any functions you need to your transmitter to your preference.
The biggest reason to get the HT8 module, is so that the collective FBL100 and FBL80 nano sized, or FBL70 and FBL90 fixed pitch flybarless helicopters, can be flown with your own transmitter.

**That is what will be covered in this quick start guide:**

1. HT8 supports BOTH Futaba AND JR channel mappings.
2. This is selectable by the button or by how you connect the device to your radio.
3. Basically there are two lights on the unit. The one on the left is the LED that shows the mode.
a. RED = Spektrum / JR
b. GREEN = Futaba
4. If you plug into the radio with the Futaba plug, the HT8 is powered from your radio and should show a GREEN light for Futaba mode. If you use a JR channel layout and Futaba connector (Like Turnigy TH9X or 9XR) then you can change the mode back to JR by hitting the button on the HT8.
5. If you use a Spectrum Radio, these use the JR channel mapping. (RED light)
6. This should allow you to bind and begin testing.

NOTE : Any of the channels may need to be reversed INCLUDING THROTTLE! Your model may bind and start up full speed.
FBL 80, FBL 100 – 3D type, 120 degree swash, should match up with a Trex 450 with throttle curves etc.
FBL 70 and FBL 90 – fixed pitch – should use a plane model or a 90 degree swash.

 **Settings for FBL80, FBL100 and similar on DX6i with HT8:**

Reverse throttle for certain.
Reverse elevator.
Make sure you enable throttle hold / throttle cut.
Travel Adjustment - Set rudder to + and - 120%
Use the 120 degree swash.
Use the stock swash mix. +60, +60, +60
Swash curve is backwards but it works. (If reverse the pitch the rest goes out of whack.)
You do not have to reverse you'r pitch curve, just set you'r swash mix to a negative pitch.
Just build the curve backward for pitch. (Stunt Mode = Linear 100, 75, 50, 25, 0)
Normal Mode: ( 50, 50, 50, 25, 0) Zero is full UP!
Throttle curve linear (0, 25, 50, 75, 100) for normal, and flat 100 for stunt.

Dual rates:
HIGH RATE - 80% / -40 exp for all except rudder.
Rudder 100% / INH

LOW RATE - 40% / INH on all for a comfortable cruiser or first CP.
Rudder 80% INH (Have the rudder as high as you can stand it, but don't go below about 60%)

 **Setting up the HT8 for Walkera:**

1. Charge the HT8 internal battery using the included USB cable.
2. Connect the HT8 module to the DSC port on the Walkera and turn both on.
3. Press the tiny center button until the FJ/W light cycles from green to red to out. Only the signal light is now on (green).
4. The HT8 is now set for Walkera and will remember that setting.

**Important to set up the 70/90 Model in the Devo before flying:**

Aileron/Elevator/Throttle must be reversed and Rudder is normal. Swash is set to '1. Servo Normal'. For flying indoors too much expo can make it slow to react and too little makes it twitchy. Settle the D/R low rates at 70% with 20% expo for Elevator and Aileron. These settings makes a flying characteristics close to the X-6S TX with 70% D/R.

**Binding the first time:**

1. Connect the HT8 module to the DSC port on the TX.
Also connecting the power lead makes no difference. The switch still needed to be on,
2. Place the heli **VERY CLOSE** to the TX/HT8.
3. Turn on the HT8 - both lights are red.
4. Plug in the heli battery.
5. Very quickly, ie while the RX green led flashes ONCE, turn on the TX.
6. The HT8 signal light goes to green as the TX is powered on.
7. The heli RX led goes to solid green.

**Once bound to the TX/HT8 simply:**

1. Turn on the HT8.
2. Turn on the TX.
3. Plug in the heli battery.

 **If you want to re-bind back to any HiSKY TX:**

1. Place the heli **very close** to the HiSKY TX.
2. Plug in the heli battery.
3. **Very quickly,** ie while the RX green led flashes **once**, turn on the TX.
4. The heli RX led goes to solid green.