

Throttle Calibration

For use with Fixed Endpoints or Governor Mode on Helicopters

By setting Fixed Endpoints or ATV's in your Tx your new Castle Controller will know the exact location of zero and full throttle.

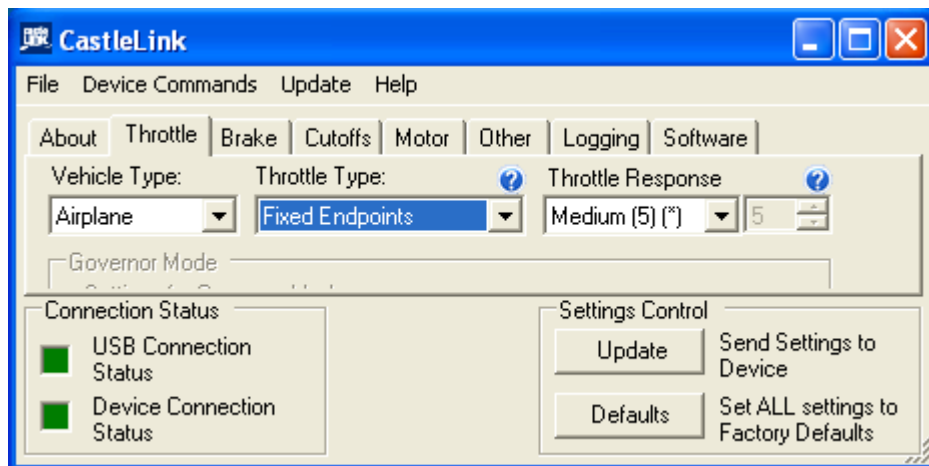
*This is vital for proper governor operation in Helicopters!

*Caution - For safety please remove the prop from the aircraft or disengage the motor from the main gear from helicopters when setting up fixed endpoints

Using the Castle Link got to the throttle tab & choose Fixed Endpoints. Make other settings needed for your application as well.

*If Vehicle Type is Helicopter, calibrate in the Normal Throttle Curve with linear values of 0-50-100. These values will change when setting up Governor Mode but need to be 0-50-100 for calibration purposes.

If you intend to use the "Auto-Rotate Enable" function please enable it on the controller before proceeding. If the function is chosen after calibration it is recommended to recalibrate again.



With the controller installed remove the prop or disengage the motor

from the driven.

In your Tx. go to the ATV or Travel Adjust Screen.

On both hi & low throttle bring the ATV closer to zero. Your default setting will more than likely be 100 on hi & low so bring both settings in to around 50. With the Tx on place the throttle at the hi position & plug in your battery. You will hear the speed control initialize but you wont get the final tone for the programming mode via the Tx. The indicator light will also be flashing rapidly. Slowly increase your ATV out or back closer to 100 pausing at each increment. When the controller sees full throttle you will get the last initialization tone and if applicable, the red indicator light will now have a slow steady flash, go 2 more points on the ATV. Now move the throttle stick to low. *If the speed control initializes at the setting you have disconnect the battery & move the low ATV closer to zero. As in hi throttle we now want to slowly bring the low ATV out or closer to 100 pausing briefly at each increment until you hear the controller initialize then go 2 more points. The indicator light, if applicable will flash a slow steady amber. At this your Castle Controller now knows exactly where zero and full throttle is in accordance with your Tx. output to the Rx.

Happy Flying!

Steve

Castle Creations