

26. Skateboard testing

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Difficulty

Hard



Steps

6

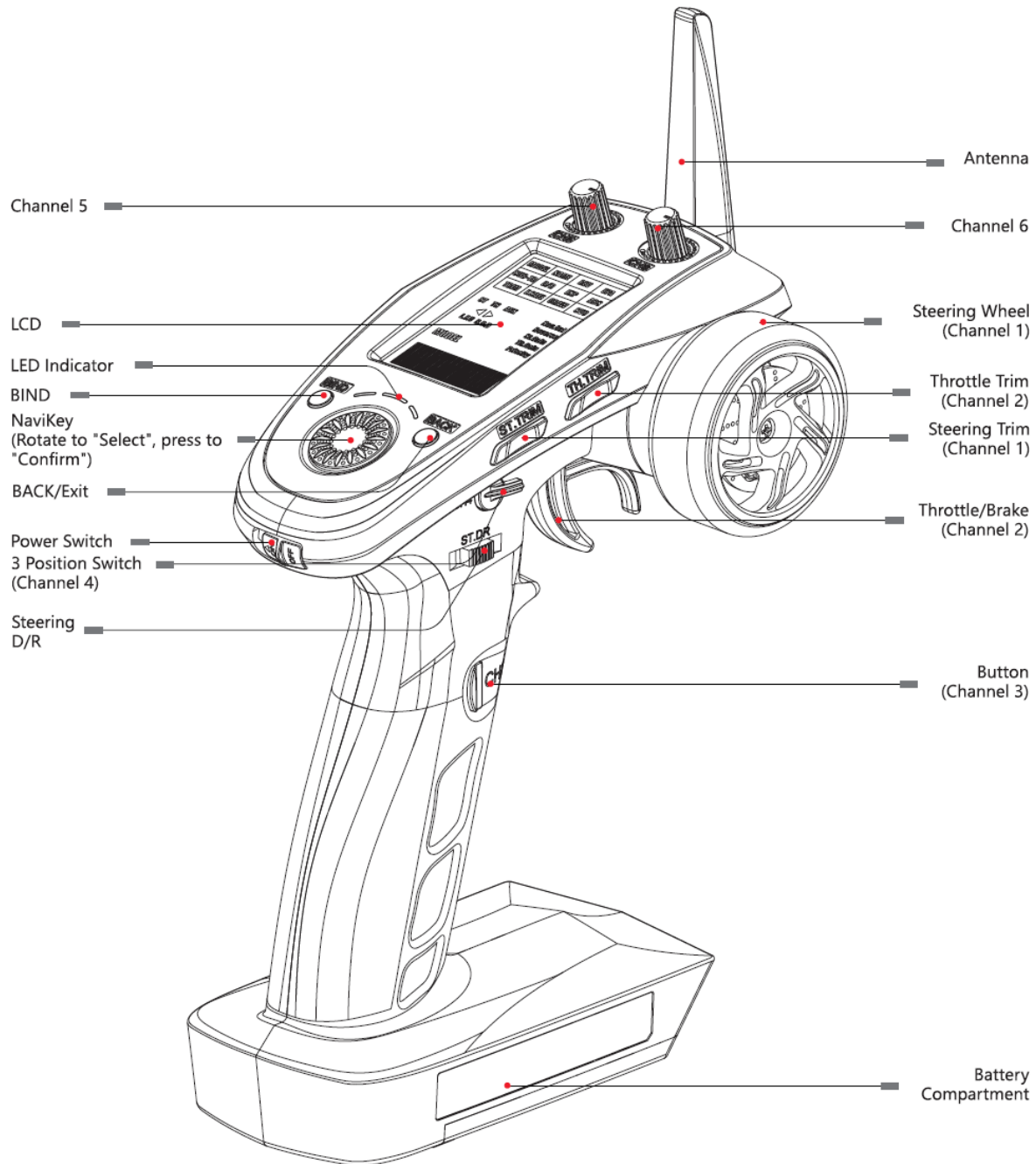


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In this Chapter we will test the Skateboard sub assembly (20-25. Chapter).



Step 1: Transmitter Manual

For the following step, please prepare:

- Your transmitter User Manual (1x)
- Your transmitter (1x)
- Rechargeable Battery for the transmitter: Typically: 4x AA Battery

Sub-Steps:

1. Rear your transmitter User Manual and understand the functions. You can find the *Fly Sky FS GT5* and the *Injora T6* transmitter user manual here in the assembly manual.
 2. Put the rechargeable batteries (Typically: 4x AA Battery) into the Transmitter
-

It is important to understand your transmitter functions, because it has a big effect for the proper/not proper working.

[Fly_Sky_FS-GT5_User_manualDownload](#)

[Injora_T6_User_manualDownload](#)

Step 2: Steering direction

For the following step, please prepare:

- Your transmitter (1x)
 - Assembled Skateboard (1x)
-

Sub-Steps:

1. Turn on your rear ESC if you build a RWD version, turn on the front ESC too if you build an AWD version.
 2. Turn on the transmitter
 3. Check the Steering direction: Rotate the Steering Wheel slightly (not completely!) to left and right. If the directions are ok, you can go to the Step 3.
 4. If the steering directions aren't ok, you should reverse the first (ST, or CH1) channel.
-

On every Transmitter you can set these settings at slightly differently way

6.3 Reverse (REV)

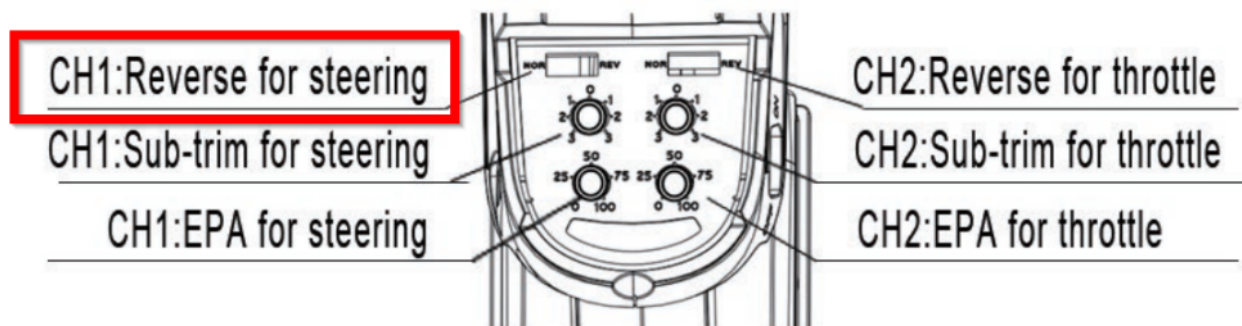
The reversing function is used to correct the direction of travel for any channel.

Setup :

1. Press the Navikey to enter the function menu, then rotate the Navikey to select REV. Press the Navikey again to enter the function. The channel name and number will begin to flash.
2. Rotate the Navikey to select a channel and press the Navikey to confirm the selection.
3. Rotate the Navikey to select "REV" (reverse) or "NOR" (normal) and press the Navikey to confirm. The system will then exit the function automatically.



The channel name will be displayed here as ST, TH or AUX.



Step 3: Drive direction

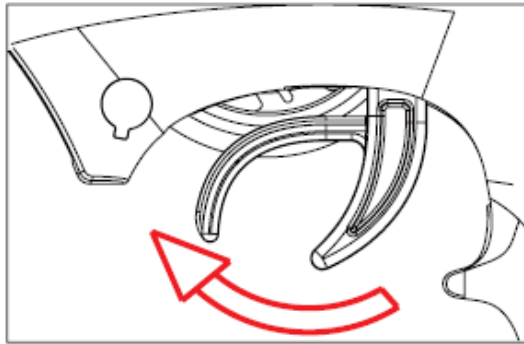
For the following step, please prepare:

- Your transmitter (1x)
- Assembled Skateboard (1x)

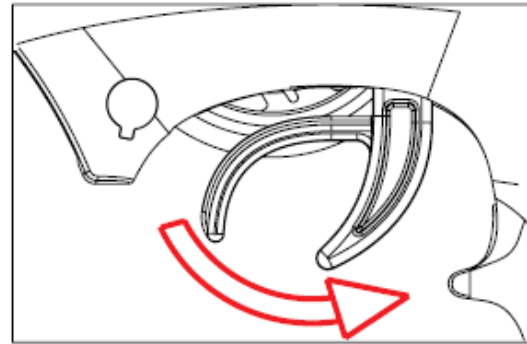
Sub-Steps:

1. Place the skateboard on the ground and press the acceleration arm slightly and check that the RC car go forward
2. Press the acceleration arm to the other way and check if the RC car go backwards
3. **If the car not moving and you have an AWD version:** It is possible that one of the motor try to drive forward the other in backward.
Lift up the front and rear of the RC car one after the other and check the direction of rotation of the wheels.
4. **If some wheel rotated in a wrong way**, than you should change the motor connection in the Skateboard center! Check the Chapter 25 / Step 5 and Step 11 one more time!

1. The drivetrain is connected to the second channel (TH, or CH2).
2. If both of the motor rotated in a wrong direction, you could theoretical **change it in the transmitter to reverse** the direction, but we **don't recommend it**, because some controller give less power in the reverse direction, which means your RC car will go slower forward! Therefore we **recommend** the direction change with a connection modification.



Brake



Acceleration

Step 4: Steering center (SUB-TR)

For the following step, please prepare:

- Your transmitter (1x)
 - Assembled Skateboard (1x)
-

Sub-Steps:

1. Drive the RC car backwards and forwards along a clearly visible straight line and observe whether it deviates to the left or right of the straight line. If the RC car is deviating from the straight line, you need to adjust the steering channel until the RC car is going straight.
 2. This function is called "Sub Trim" on the receivers.
-

As with the steering, the throttle channel can be fine-tuned in the same way.

6.5 Sub Trim (SUB-TR)

This function can be used to change the centre point of any channel.

Example of use: to correct steering being out of alignment even if the transmitter wheel is centered.

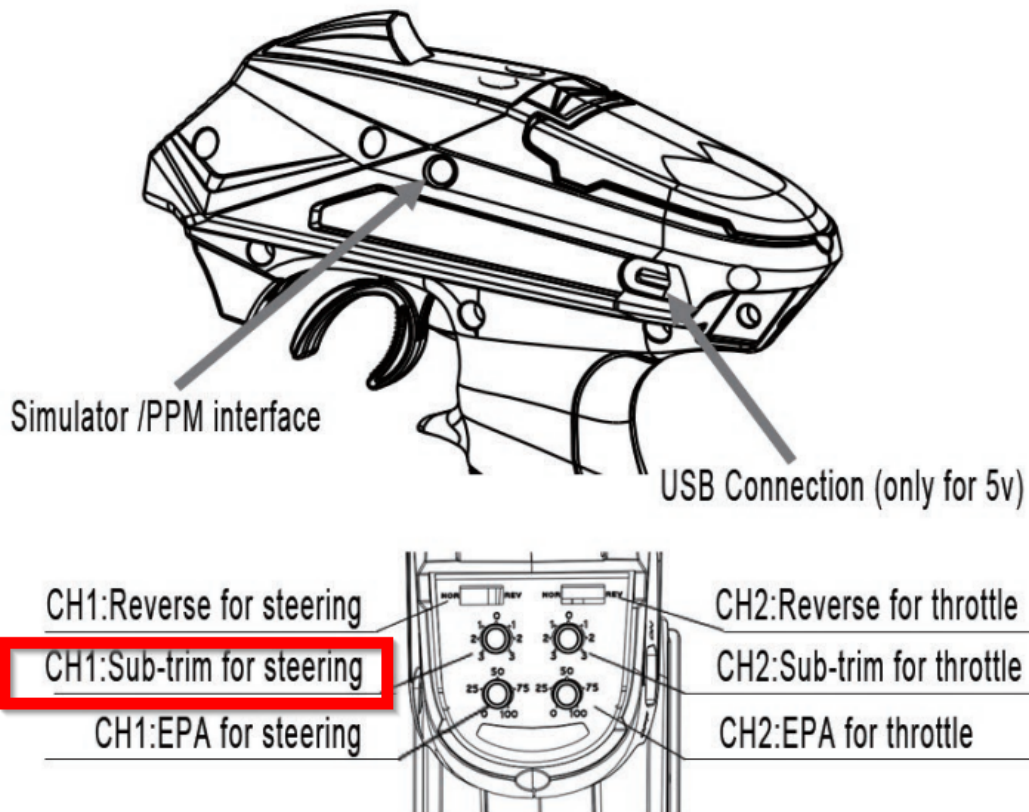
Setup :

1. Press the Navikey to enter the function menu, then rotate the Navikey to select SUB-TR. Press the Navikey again to enter the function. The channel name and number will begin to flash.
2. Rotate the Navikey to select a channel and press the Navikey to confirm the selection.
3. Rotate the Navikey to change the channels center point. The system will display an L (left) or R (right) depending on which direction the center point has been moved. Press the Navikey to confirm.
4. Repeat as needed.

MODEL	NAME	REV	EPA
SUB-TR	D/R	EXP	ABS
TRIM	F.SAFE	CRAWL	SVC

ST

1 L 50



Step 5: Steering limiter (EPA)

For the following step, please prepare:

- Your transmitter (1x)
- Assembled Skateboard (1x)

Sub-Steps:

1. Steer slowly to the far left, then to the right. If there is a rattling noise from the steering linkage rod, it is necessary to limit the steering's end position.
 2. This function is called "EPA" (*End-Point Adjustment*) on the receivers.
-

As with the steering, the throttle channel can be fine-tuned in the same way with the EPA, if you want to slow down the RC car.

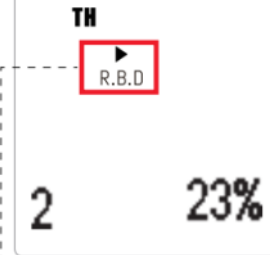
6.4 End Point Adjust (EPA)

The EPA function is used to set the travel limits for each channel.

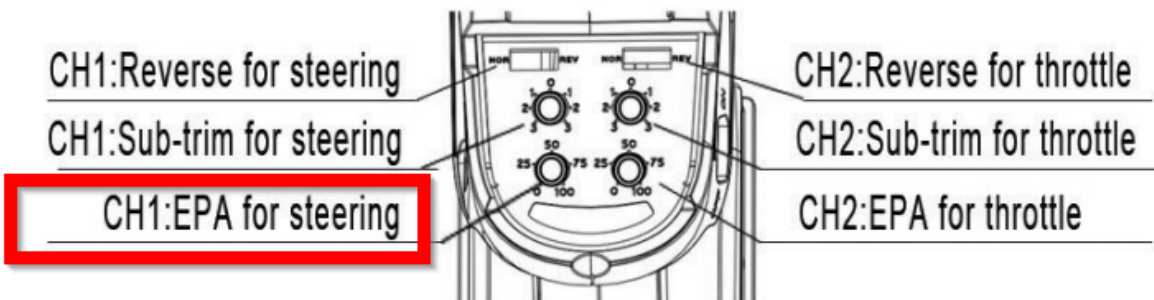
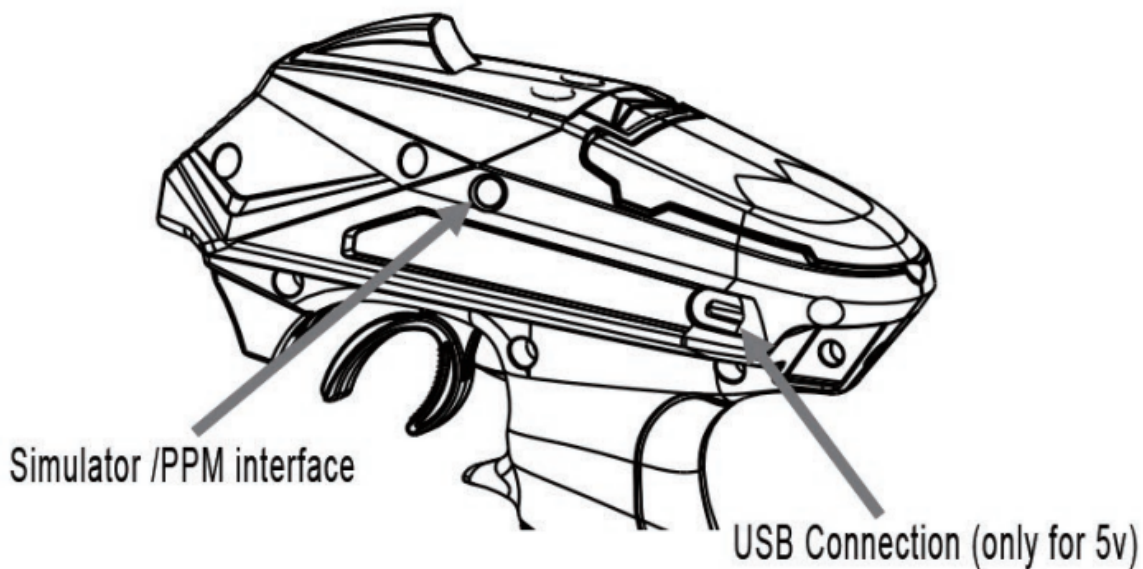
Setup :

1. Press the Navkey to enter the function menu, then rotate the Navkey to select EPA. Press the Navkey again to enter the function. The channel name and number will begin to flash.
2. Rotate the Navkey to select a channel and press the Navkey to confirm the selection.
3. Move the selected channels control surface (wheel trigger etc.) in the direction of the end point you wish to set. The system will display L.F.U (left, front, up) or R.B.D (right, back, down) depending on the selection. Press the Navkey again to confirm.
4. Rotate the Navkey to change the endpoint position (%) and press the Navkey to confirm.
5. Repeat as needed.

MODEL	NAME	REV	EPA
SUB-TR	D/R	EXP	ABS
TRIM	F.SAFE	CRAWL	SVC



Depending on the end point selected the system will display [R.B.D] or [L.F.U].



Step 6: Other

For the following step, please prepare:

- Your transmitter (1x)
 - Assembled Skateboard (1x)
-

Sub-Steps:

1. Read through the transmitter user manual for all options to know all of the features.

If you finish the play, make sure you:

1. Turn off the ESC
2. Turn off the Transmitter and remove the batteries from the transmitter
3. Remove the battery from the Tesla Cybertruck Skateboard and don't leave it fully charged/discharged, or the battery can damage permanently! Charge it immediately until 50-60%!

One response to “26. Skateboard testing”

1. I connected the front light as described in the manual. At startup, all the LEDs turn color and then go out. Sometimes I can turn the light on by controlling channel 5, but there is no consistency in it. Sometimes they light up but usually not. What exactly needs to be set for these to work correctly?
The tail lights work perfectly. Switching between these 2 channels brings the same result. Tail lights work fine, front light does not.

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