

CALIBRATE TILT SERVO

1. REQUIRED PARTS

Nr.	1001-0066 · ToolSet 2 - Trinity F90+ Calibrate Tilt Servo	Quantity	Included
1	(1001-0020) Hitec DPC-11 Programmiergerät	1	✓
2	(1001-0077) DPC11 Servo Cable	1	✓
3	(1001-0078) DPC11 Power Cable	1	✓
4	(1001-0072) Adapter Cable Rear F9/F90+	1	✓
5	(1001-0087) Trinity F90+ Calibration Template Set	1	✓
6	Bench power supply (Voltage and Current must be set)	1	-
7	Laptop with DPC 11 program	1	-
8	Mini USB cable	1	-



2. CALIBRATION

- Set the bench power supply to 6.0 V and 1500mA and connect the DPC 11 unit to it.

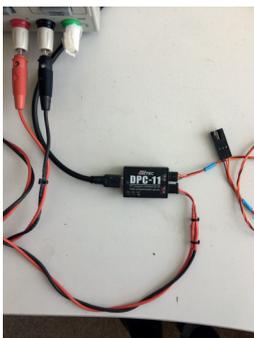


- Connect the DPC11 unit to your laptop via the mini USB cable.



FRONT SERVO

- Connect the DPC11 unit to the servo connector.



REAR SERVO

- Connect the DPC11 unit to the rear fuselage via the Adapter cable rear.



- Start the power supply and start the DPC 11 program.
- Select D-Series.



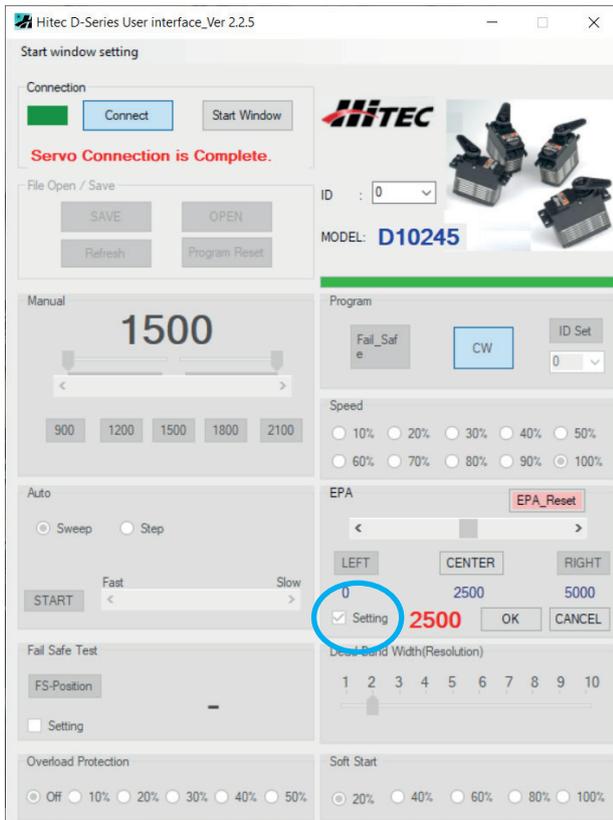
- Click **Connect** and wait for the program to connect with the servo.
- Check all of the **settings** and change them if they are not correct yet. Select **SAVE**.

Speed: 100%
Deadband: 2
Direction: CW

Overload protection: OFF (to be changed at the end with the DPC-11-OLP)
Fail safe: OFF



- Select “Setting” and wait for connection. The motor moves to an upper position.



FRONT SERVO

- The center position of the motor is adjusted with the help of the “front mid template”.
- Move the EPA bar until the motor is aligned with the template. (1. Center; 2. Right; 3. Left)
- Please pay attention to use the correct template.

NOT GOOD



GOOD



- Click the icon “Center” to save the middle position.

- The upper position of the motor is adjusted with the help of the "front up template".
- Move the EPA bar until the motor is aligned with the template.
- Please pay attention to use the correct template (V1, F9, F90+).

NOT GOOD



GOOD



- Select "Right" to save the upper position.
- The lower position of the motor is adjusted by moving the EPA bar until the motor reaches the mechanical stop and then moving the EPA bar in the opposite direction until the power supply shows a current of less than 100 mA without changing the angle of the motor.



- Click the Icon "Left" to save the Lower position.

REAR SERVO

- The center position of the motor is adjusted with the help of the "rear mid template". Move the EPA bar until the motor is aligned with the template.
- Please pay attention to use the correct template.

NOT GOOD

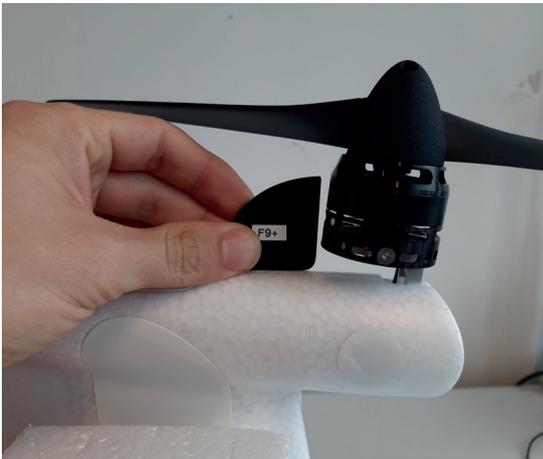


GOOD



- Select "Center" to save the middle position.
- The upper position of the motor is adjusted with the help of the "rear up template". Move the EPA bar until the motor is aligned with the template.
- Please pay attention to use the correct template.

NOT GOOD



GOOD



- Select "Right" to save the upper position.
- The lower position of the motor is adjusted by moving the EPA bar until the motor reaches the mechanical stop and then moving the EPA bar in the opposite direction until the power supply shows a current of less than 100 mA without changing the angle of the motor.

WRONG / NOT GOOD



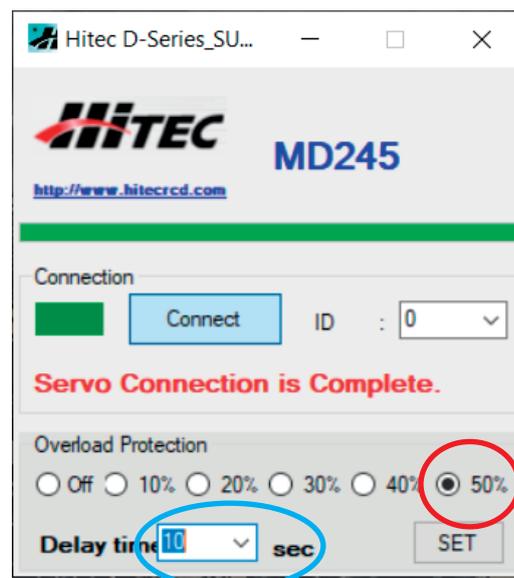
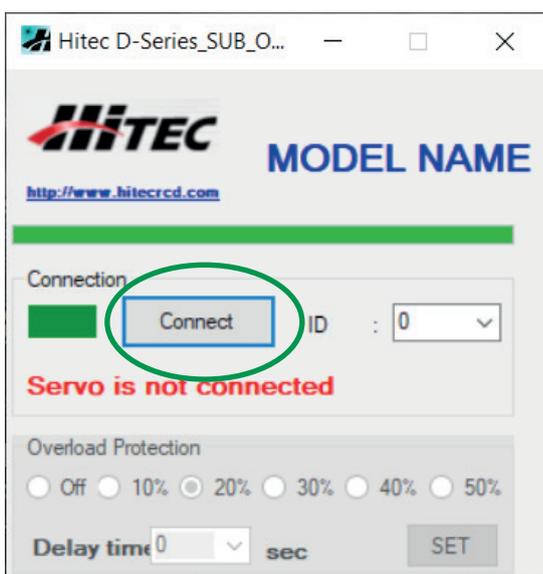
right / GOOD



- Select "OK" to save all of the position settings.
- Check all 3 positions afterwards by selecting "900" for lower position, "1500" for center position and "2100" for upper position. The three positions need to align with the corresponding templates.



- If the positions do not align please repeat the calibration process.
- Please open the "DPC11 SUB OLP" program and select "connect".
- Make sure that the Overload Protection is set on "50%".
- Set the Delay Time to "10sec".
- Click the Icon "SET" to save the settings and close the program.



Important: When opening the DPC-11 program again, the settings of the DPC-11 SUB OLP are not saved.