System Requirement

USB Programmer #500804U

Application: PN Racing 500804C V4 Programmable Servo Board

Operating Voltage: USB (5V/500mA)

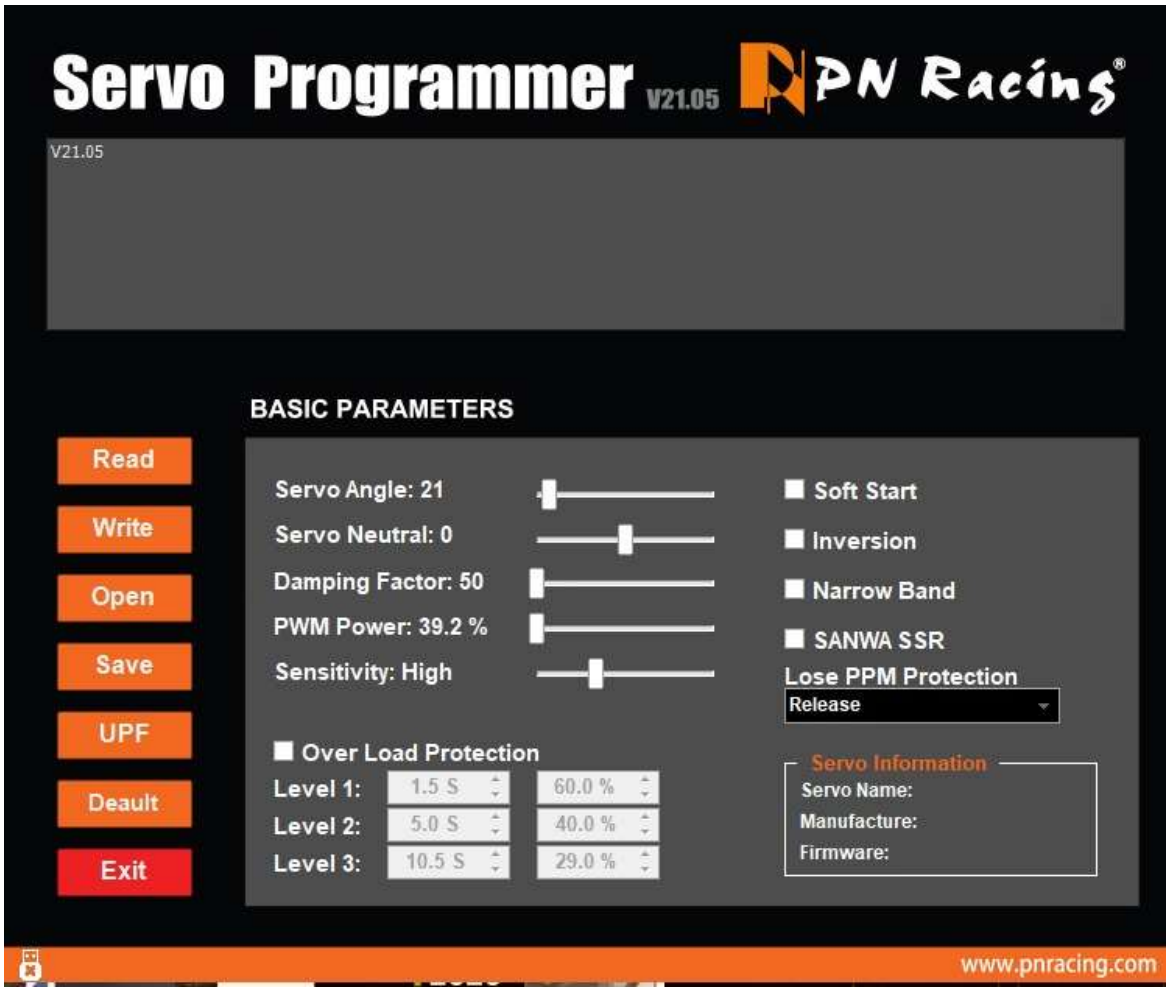
Software Download https://pnracing.com/download/PN-V2105.exe or

https://pnracing.com/download/PN-V2105.rar

Operating System: Windows XP/Windows Vista/Windows 7/Windows 8/Windows 20 32/64bit)

Software Menu Instruction

Display Window will display connection status as well as servo parameter writing and reading status



Parameter Function Information

1. Servo Angle: Set the servo rotation angle

2. Servo Neutral: Set the servo neutral position

Note: Set transmitter at neutral position, modify this value to adjust the servo horn to desired position.

3. PWM Power: Adjust the servo output power. The higher the power, the higher the servo torque and speed, current consumption will be high as well.

4. Damping Factor: Set the servo damping.

5. Sensitivity: Adjust the servo dead band (sensitivity).

6. Soft Start: Slowly restoration while power on the servo. Once power on, the servo will gently turn to the position of current input signal.

Note: This function is to prevent damage in case the servo is mounted incorrectly.

7. Inversion: Set normal and reverse rotation of the servo.

8. Narrow Band: FUTABA SR Mode

9. SANWA SSR: SANWA SSR Mode

Note: Enable this function to support SANWA SSR high speed mode. Servo angle needs to re-adjust.

10. Lost PPM Protect: Signal loss protection, there are three functions for selection,

a. Release: Non-Protection

b. Keep Position: Stay in the position before the signal loss

c. Go Neutral Position: Back to Neutral position (1500uS position)

11. Over Load Protect: Set the servo blocking protection, there are 3 levels, Check the box to enable protection.

Note: The value on the left indicates when servo protection will turn on, the value on the right indicates max power output when servo protection is turned on.

12. Servo Information: Servo information. Including servo model, version date, firmware name.

13. Read: Read the servo parameter from the software interface.

14. Write: Write current parameter into servo.

15. Open: Open servo parameter file which saved on the computer.

16. Save: Save current servo parameter to the computer

17. UPF: Servo firmware upgrade function.

18. Default: Restore factory default setting.

19. Exit: Exit and close the configuration software

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   Servo Name: Servo model

   Manufacture: Servo version date

   Firmware: Servo firmware name

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Default Setting

After long time testing by PN team, we find out the best setting for the PNR2.5 and MR03 chassis.