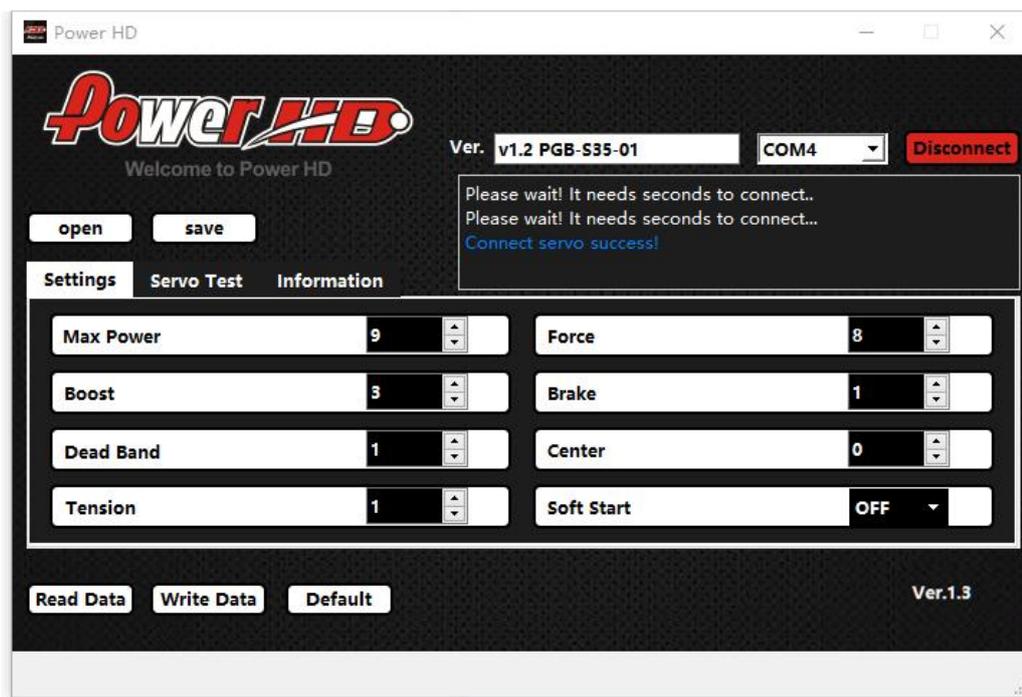


PowerHD Ver.1.3 程序使用说明

连接说明：编程卡保持电池供电通过 TPYE-C 连接 PC 端，进行 Connect COM 口连接，界面读取舵机参数；

PowerHD Ver.1.3 Program Usage Instructions

Connection Instructions: connect the program box to the PC through TPYE-C while with battery power supply, after the Connect COM port is connected, it will directly read and display the parameters of the servo.



1. 调参界面 (Settings)

界面功能:

open / save 可打开或保存预设参数文件

Read Data 读取舵机参数

Write Data 写入舵机参数

Default 还原舵机出厂参数

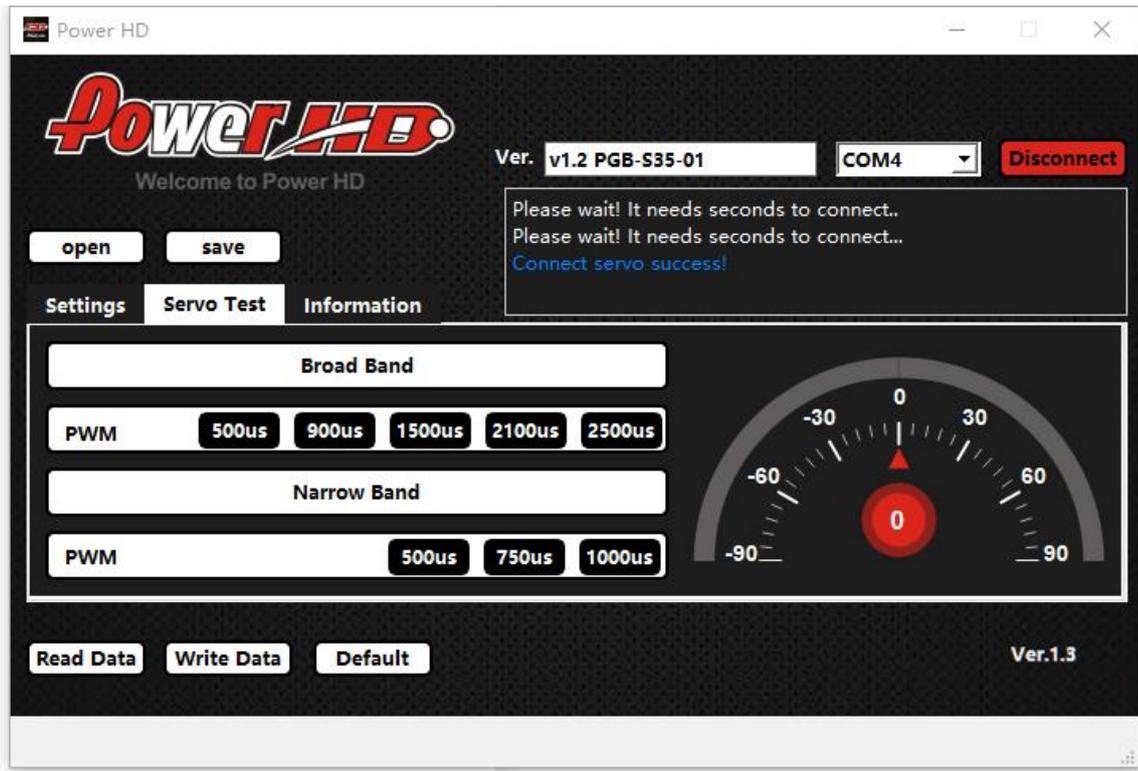
1. Settings Interface

Function: open / save: open or save the preset parameters file

Read Data : read servo parameters

Write Data: write servo parameters

Default: restore servo parameters to the factory setting

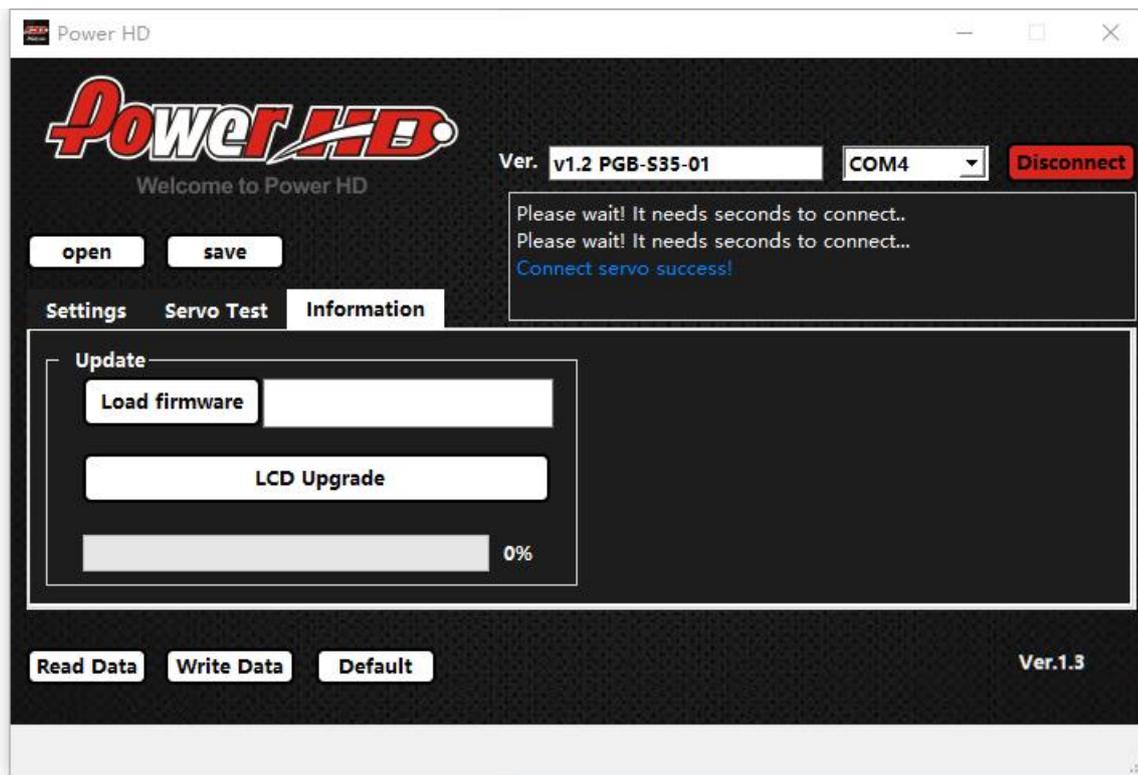


2. 宽窄频 PWM 调角测度 (Servo Test)

Broad Band PWM 500us 900us 1500us 2100us 2500us
Narrow Band PWM 500us 750us 1000us

2. Broad/Narrow Band PWM angle adjustment (Servo Test)

Broad Band PWM 500us 900us 1500us 2100us 2500us
Narrow Band PWM 500us 750us 1000us



3. 编程卡程序升级 (information)

可以直接 Load firmware 打开升级程序文件 “Program UPgrade Package

Ver.1.0——PowerHD.bin”LCD upgrade 执行升级操作 (更新 100%完成升级)

3.Program UPgrade

Directly load firmware to open the upgrade program file "Program UPgrade Package Ver.1.2——PowerHD.bin" LCD upgrade- Perform the upgrade operation (update 100% to complete the upgrade)

4. 连接遇到的问题

未成功连接编程卡的可能原因及处理方法:

1.编程卡需单独额外供电;

2.请使用原厂 Type-C 数据线或确保数据线支持数据传输功能;

3.若电脑存在多个 USB 设备, 需在软件中手动选择正确的 COM 口;

4.若升级过程中出现断电、软件闪退, 导致编程卡屏幕无显示: 请关闭电脑端软件并重新打开, 重新加载 bin 文件进行升级, 待 LCD 进度条显示 100% 完成后, 屏幕即可恢复正常显示。

注意:

1.早期版本编程卡 Ver.1.0 (6033) 或 Ver.1.2 版本, 升级时必须先连接可识别型号的舵机, 待编程卡进入识别舵机型号界面后, 再执行升级操作。

2.可识别型号舵机: 舵机表面镭射标注 PGC 或 PGB 编程, 例如 R12、D12 等型号。

(S15,S25,S35,S50,D12,D15,T60,WH-20KG,WH-30KG,WH-40KG,A40,A50,R12S,B7RS,M8,M8H,GTS-2,GTS-3,GTS-5,GTS-6,GTS-7,TDS-2,WT120,WT162)

3.若手中无此类可识别舵机, 编程卡无法自行升级, 只能返回售后处理。

4.升级请下载最新 Ver.1.3 压缩包, 文件内包含:

(程序软件, 版本程序升级操作说明, 升级固件)

Possible Reasons & Solutions for Connection Failure

1. The program box requires an external power supply.

2. Use the original Type-C cable or one that supports data transfer.

3. If multiple USB devices are connected to your computer, please manually select the correct COM Port from the dropdown menu within the software.

4. In case of a power outage or software crash resulting in a blank screen, please close and

restart the PC software, reload the .bin file, and proceed with the upgrade until the LCD progress bar reaches 100% (Complete), the screen will return to normal display.

Notice:

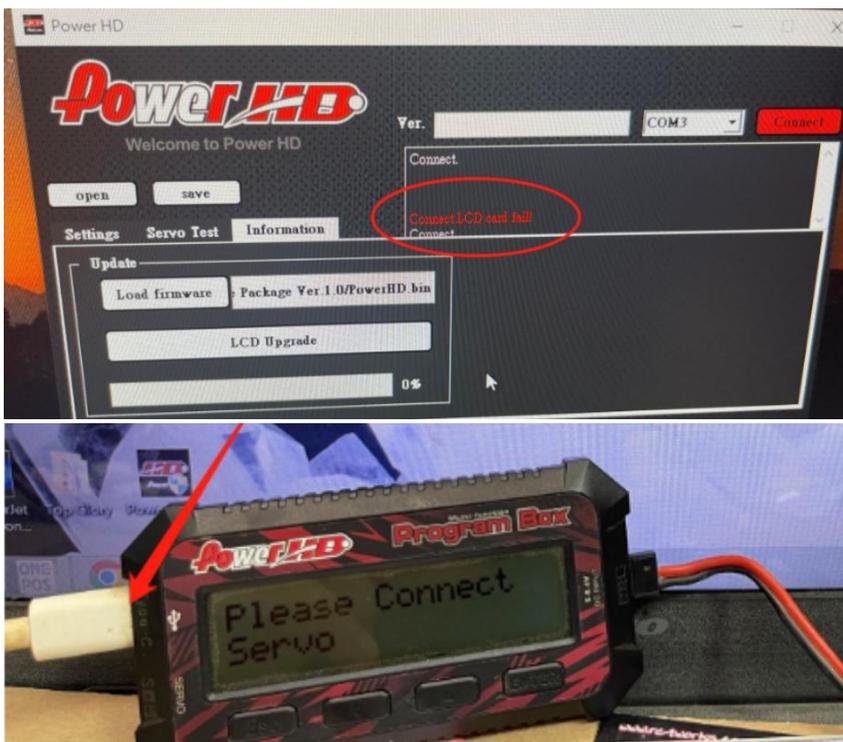
1. For early versions (Ver. 1.0/6033 or Ver. 1.2), must connect a programmable servo before upgrading. Wait until the program box enters the servo recognition interface then start to proceed with the upgrading.

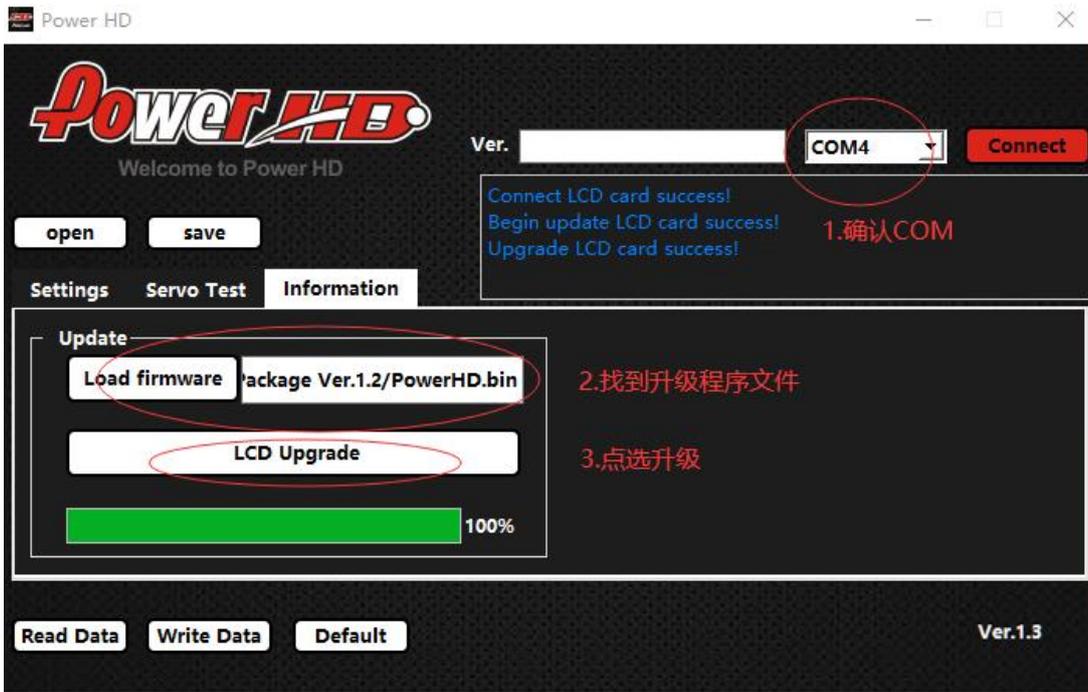
2. Programmable Servo Models having a laser-marked with PGC or PGB on the casing, including:

S15,S25,S35,S50,D12,D15,T60,WH-20KG,WH-30KG,WH-40KG,A40,A50,R12S,B7RS,M8,M8H,GTS-2,GTS-3,GTS-5,GTS-6,GTS-7,TDS-2,WT120,WT162

3. If you do not have a programmable servo, the program box cannot be upgraded manually and must be returned to factory for after-sales service.

4. Please download the latest Ver. 1.3 zip package to upgrade (includes the software, upgrade instructions, and program box firmware).





Ver.1.3 升级只需三个步骤