### 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.

Ver.	v1.2 PGB-S35-01	COM4 - Disco
Plea Plea Cor prmation	ase wait! It needs seconds to o ase wait! It needs seconds to o inect servo success!	connect connect
9	Force	8
3	Brake	1
1	Center	0
1	Soft Start	OFF -
	Ver. Plez Plez Cor S Ver. Plez Cor Cor 1 Ver. Plez Cor Cor Cor Cor Cor Cor Cor Cor	Ver. v1.2 PGB-S35-01 Please wait! It needs seconds to o Please wait! It needs seconds to o Please wait! It needs seconds to o Connect servo success! Force S  Force Brake 1  Soft Start

## 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

🐨 Power HD				100	
Power		Ver. v1.2 PGB-S35	-01	COM4 _	Disconnect
Welcome to Pow open save Settings Servo Test	er HD Information	Please wait! It nee Please wait! It nee Connect servo suc	ds seconds to c ds seconds to c cess!	onnect onnect	
	Broad Band				
PWM 500us	900us 1500u: arrow Band	s 2100us 2500us	-30 -60		60
PWM	500us	750us 1000us	-90 <u>-</u>	0	<u>=</u> 90
Read Data Write Data	Default				Ver.1.3

## 2.宽窄频 PWM 调角测度(Servo Test)

BroadBand PWM500us900us1500us2100us2500usNarrow Band PWM500us750us1000us

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

BroadBand PWM500us900us1500us2100us2500usNarrow Band PWM500us750us1000us

🕶 Power HD		1412	
<i>Powerse</i>	Ver. v1.2 PGB-S35-01 COM4	<b>_</b>	Disconnect
open save Settings Servo Test Information	Please wait! It needs seconds to connect Please wait! It needs seconds to connect Connect servo success!		
Update Load firmware			
LCD Upgrade			
	0%		
Read Data Write Data Default			Ver.1.3

### 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:

- (1) 编程卡需要供电;
- (2) 使用原配的 TYPE-C 线或带数据传输;
- (3) 如有其他 usb 配备需要手动选择正确 COM 口;

(4)如果遇到中途断电或软件闪退至编程卡屏幕无任何显示,请关闭电脑端软件并重新开启, 之后打开 bin 文件升级,LCD 100%完成

注: 早期编程卡 Ver.1.0 或 1.2 版本, 升级时需要:

(1) 下载最新的 Ver.1.3 编程软件;

(2)出现无法升级提示时,需要先连接原可识别的舵机,编程卡解锁界面后才能升级操作。 Connecting Tips:

- (1) program box need power supply
- (2) use original TYPE-C cable or other TYPE-C with data transmission
- (3) If the computer have other USB device, please manually switch to the correct COM port

(4) If you encounter a power outage or the computer software crashes and the screen of program box does not display anything, please close the computer software and restart it, then click "load firmware" and open the bin file to upgrade.

Remark: For early version of program box (Ver.1.0 or 1.2), you need to:

(1) Download the latest Ver.1.3 programming software on our website.

(2) If the upgrade fails, you need to connect an older programmable servo first. Then wait until the program box screen is normal before upgrading.



Power HD	Ver.	COM4	Connect
Welcome to Power HD open save Settings Servo Test Information	Connect LCD card success! Begin update LCD card success! Upgrade LCD card success!	1.确认COM	
Update Load firmware LCD Upgrade	HD.bin 2.找到升级程序文件 3.点选升级	ŧ	
Read Data Write Data Default	100%		Ver.1.3

Ver.1.3 升级只需三个步骤