



THETA

シータ西塔

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SINCE 2018

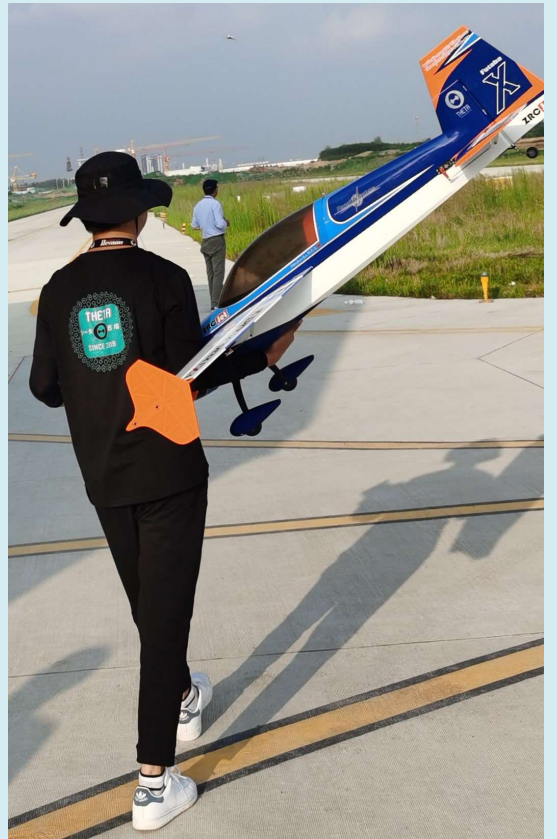
直升机

固定翼

越野/竞速

漂移车

舵机选型手册



西塔固定翼涡喷舵机表

微舵 (空心杯)



7.5Kg21g

扁舵 (空心杯)



12Kg26g

中舵 (无刷)



15Kg46g

标准矮舵 (无刷)



15Kg53g

加高矮舵 (无刷)



28Kg60g

中舵 (无刷)



23Kg54g

标舵 (无刷)



30Kg65g



40Kg76g



52Kg85g

2021
NEW & HOT

安靜 省電
強勁 耐用

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RAZOR-X1

NFC 全金属高压无刷标舵

Neutral Pulse Width: 760us/1520us adjustable (Narrow/Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 350 ± 5 mm

Operating travel: 90° (1000-2000μsec)

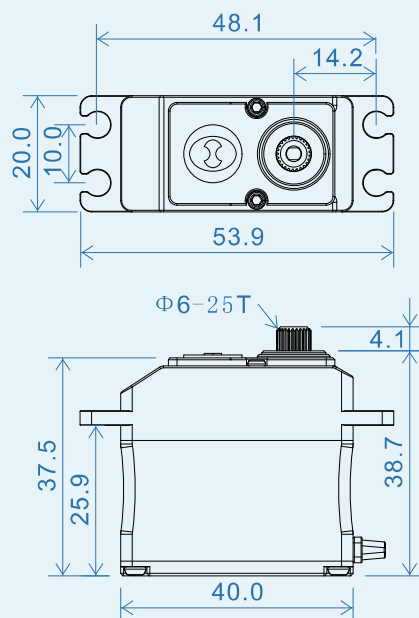
Connector wire gauge: #20PVC

Rotating direction: adjustable

Dead band width: 1-4μsec

VOLTAGE	CURRENT	SPEED	TORQUE
5.0V	6.0A	0.16s/60°	37Kgf.cm
6.0V	7.0A	0.14s/60°	42Kgf.cm
7.4V	7.5A	0.13s/60°	47Kgf.cm
8.4V	8.0A	0.12s/60°	52Kgf.cm

85g



M3X12X4Pcs

M3X5X4Pcs

28X16mmX1Pcs

7X9X6X4Pcs

M3X6X1Pcs

45X10mmX1Pcs

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THL798

全金属高压无刷标舵

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: $140 \pm 10^\circ$ (750-2250 μ sec)

Connector wire length: 350 ± 5 mm

Operating travel: 90° (1000-2000 μ sec)

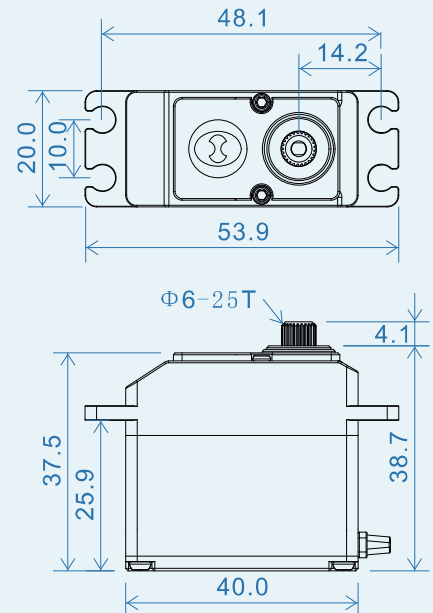
Connector wire gauge: #22PVC


Rotating direction: CCW


Dead band width: 2 μ sec


VOLTAGE	CURRENT	SPEED	TORQUE
5.0V	6.0A	0.12s/60 $^\circ$	28Kgf.cm
6.0V	7.0A	0.11s/60 $^\circ$	32Kgf.cm
7.4V	7.5A	0.10s/60 $^\circ$	36Kgf.cm
8.4V	8.0A	0.09s/60 $^\circ$	40Kgf.cm


76g





 M3X12X4Pcs

 M3X5X4Pcs

 28X16mmX1Pcs

 7X9X6X4Pcs

 M3X6X1Pcs

 45X10mmX1Pcs

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THL398

塑膠壳高压无刷标舵

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: 140±10°(750-2250μsec)

Connector wire length: 350 ± 5 mm

Operating travel: 90°(1000-2000μsec)

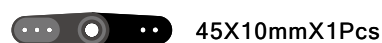
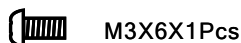
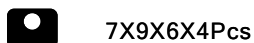
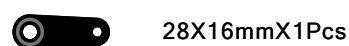
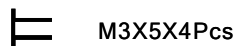
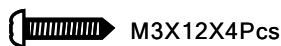
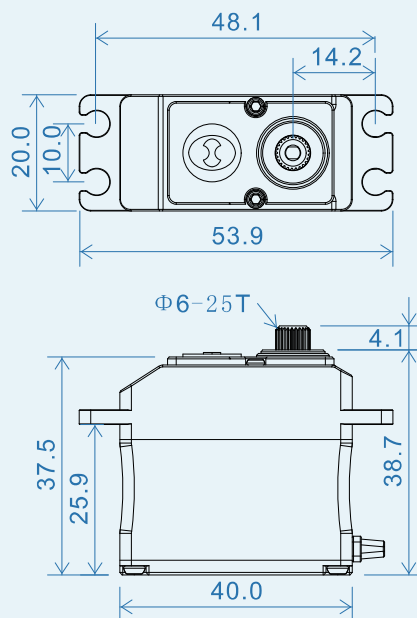
Connector wire gauge: #22PVC

Rotating direction :CCW

Dead band width: 2μsec

VOLTAGE	CURRENT	SPEED	TORQUE
5.0V	3.0A	0.13s/60°	20Kgf.cm
6.0V	3.0A	0.12s/60°	23Kgf.cm
7.4V	3.0A	0.11s/60°	27Kgf.cm
8.4V	3.0A	0.10s/60°	30Kgf.cm

65g



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RAZOR-DH1

NFC 全金属高压无刷加高型矮舵

Neutral Pulse Width: 760us/1520us adjustable (Narrow/Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000μsec)

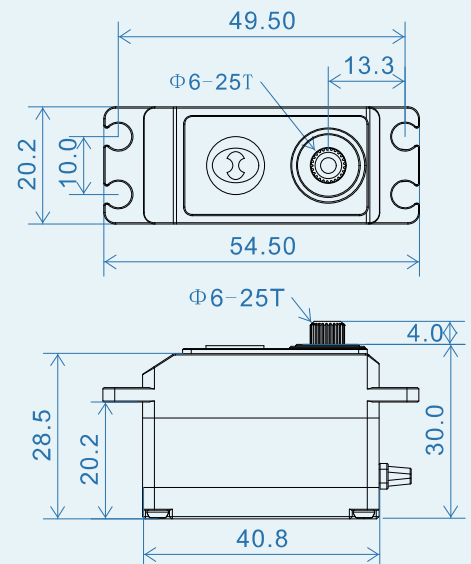
Connector wire gauge: #22PVC

Rotating direction: adjustable

Dead band width: 1-4μsec

速度	扭力
5.0V-0.108s/60° @3A	5.0V-24Kgf.cm @3A
6.0V-0.09s/60° @3A	6.0V-26Kgf.cm @3A
7.4V-0.08s/60° @3A	7.4V-28Kgf.cm @3A
8.4V-0.07s/60° @3A	8.4V-30Kgf.cm @3A
5.0V-0.092s/60° @5A	5.0V-30Kgf.cm @5A
6.0V-0.081s/60° @5A	6.0V-34Kgf.cm @5A
7.4V-0.072s/60° @5A	7.4V-37Kgf.cm @5A
8.4V-0.063s/60° @5A	8.4V-40Kgf.cm @5A

60g



M3X12X4Pcs

M3X5X4Pcs

28X16mmX1Pcs

7X9X6X4Pcs

M3X6X1Pcs

45X10mmX1Pcs

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强劲 耐用



RAZOR - D1

NFC 全金属高压无刷标准型矮舵

Neutral Pulse Width: 760us/1520us adjustable (Narrow/Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000μsec)

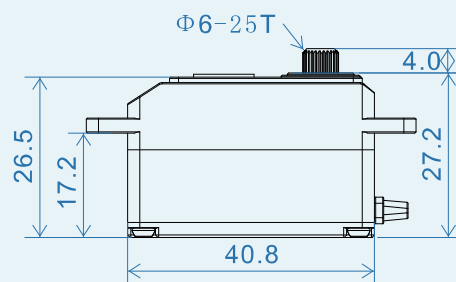
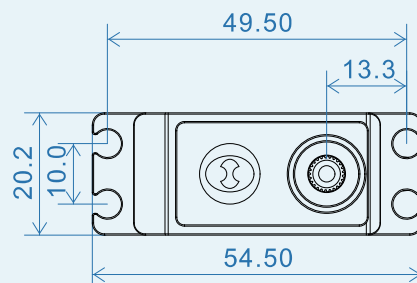
Connector wire gauge: #22PVC


Rotating direction :adjustable


Dead band width: 1-4μsec


速度	扭力
5.0V-0.108s/60° @3A	5.0V-12Kgf.cm @3A
6.0V-0.09s/60° @3A	6.0V-13.5Kgf.cm @3A
7.4V-0.08s/60° @3A	7.4V-15Kgf.cm @3A
8.4V-0.07s/60° @3A	8.4V-16Kgf.cm @3A
5.0V-0.092s/60° @5A	5.0V-14Kgf.cm @5A
6.0V-0.081s/60° @5A	6.0V-15.5Kgf.cm @5A
7.4V-0.072s/60° @5A	7.4V-18Kgf.cm @5A
8.4V-0.063s/60° @5A	8.4V-20Kgf.cm @5A


53g




 M3X12X4Pcs

 M3X5X4Pcs

 28X16mmX1Pcs

 7X9X6X4Pcs

 M3X6X1Pcs

 45X10mmX1Pcs

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强劲 耐用



THM988

普通全金属高压无刷标准型中舵

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500 μ sec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000 μ sec)

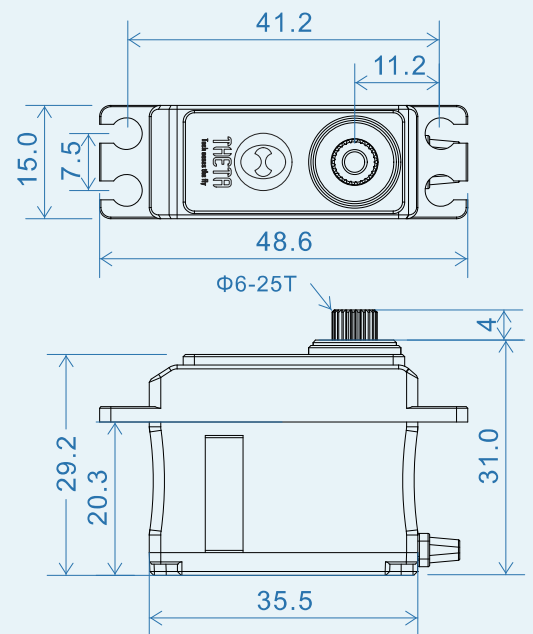
Connector wire gauge: #26PVC

Rotating direction: adjustable

Dead band width: 2-4 μ sec

电压	电流	速度	扭力
5.0V	2.0A	0.10s/60°	10Kgf.cm
6.0V	2.0A	0.09s/60°	12Kgf.cm
7.4V	2.1A	0.08s/60°	14Kgf.cm
8.4V	2.3A	0.07s/60°	15Kgf.cm

46g



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BRUSHLESS
HV MINI



7.5 THM989

普通全金属高压无刷标准型中舵

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: $180 \pm 10^\circ$ (500-2500μsec)

Connector wire length: 300 ± 5 mm

Operating travel: 90° (1000-2000μsec)

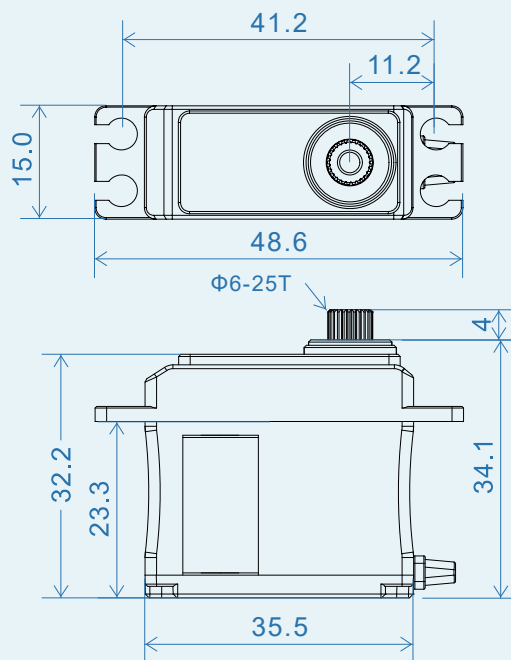
Connector wire gauge: #26PVC

Rotating direction: adjustable

Dead band width: 2-4μsec

Voltage	Current	SPEED	TORQUE
5.0V	2.6A	0.10s/60°	15Kgf.cm
6.0V	2.6A	0.09s/60°	18Kgf.cm
7.4V	2.6A	0.08s/60°	21Kgf.cm
8.4V	2.6A	0.07s/60°	23Kgf.cm

54g



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THS921A

普通全金属高压空心杯微舵

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: $140 \pm 10^\circ$ (750-2250 μ sec)

Connector wire length: 190 ± 5 mm

Operating travel: 90° (1000-2000 μ sec)

Connector wire gauge: #26PVC

Rotating direction: CCW

Dead band width: 1μ sec

速度

扭力

0.12sec/60 $^\circ$ @ 6.0V

6.6kg-cm (81 oz-in) @ 6.0V

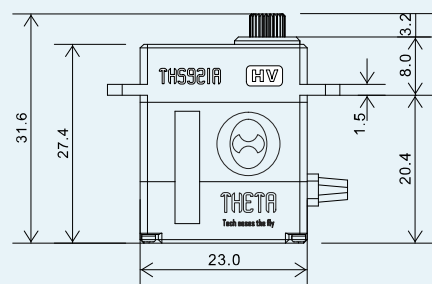
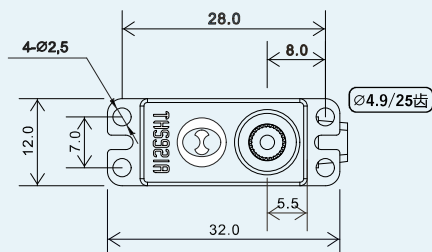
0.10sec/60 $^\circ$ @ 7.4V

7.8 kg-cm (94 oz-in) @ 7.4V

0.09sec/60 $^\circ$ @ 8.4V

8.6 kg-cm (104 oz-in) @ 8.4V

21g



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THS926

普通全金属高压空心杯扁舵

Neutral Pulse Width: 1520us (Wide)

Frequency Range: 50~400Hz

Limit angle: $140 \pm 10^\circ$ (750-2250 μ sec)

Connector wire length: 190 ± 5 mm

Operating travel: 90° (1000-2000 μ sec)

Connector wire gauge: #26PVC

Rotating direction: CCW

Dead band width: 1μ sec

速度

扭力

0.15sec/60° @ 6.0V

0.12ec/60° @ 7.4V

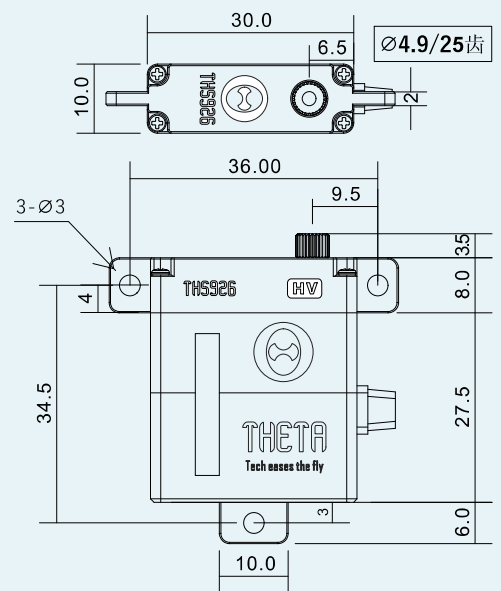
0.10ec/60° @ 8.4V

8.2kg-cm (81 oz-in) @ 6.0V

10 kg-cm (94 oz-in) @ 7.4V

12 kg-cm (104 oz-in) @ 8.4V

26g



西塔舵机首创NFC调参舵机

调参工具:

具有NFC功能的安卓手机。

软件下载:

fastech.cc

注册:

手机号的前面要加国际区号(86139.....), 我们使用的是国际短信平台。

推荐码:

请使用给您推荐本产品的朋友的推荐码, 位于APP 中的“我的主页”。

如非朋友推荐, 推荐码可使用: WCFPV7

操作:

1. 使能手机NFC功能;
2. 打开APP, 点击进入参数设置;
3. 用手机NFC感应区, 靠近舵机底盖(舵机不需要通电), 直至读取成功;
4. 新舵机需要注册, 方可改写, 注册后的舵机, 其它用户不可改写。

可调参数:

见右图;

推荐调整参数:

展宽: 数值小, 舵机转向更柔和, 数值大, 跟手;

刹车: 数值大, 舵机转向更柔和, 数值小, 跟手过小, 则过冲;

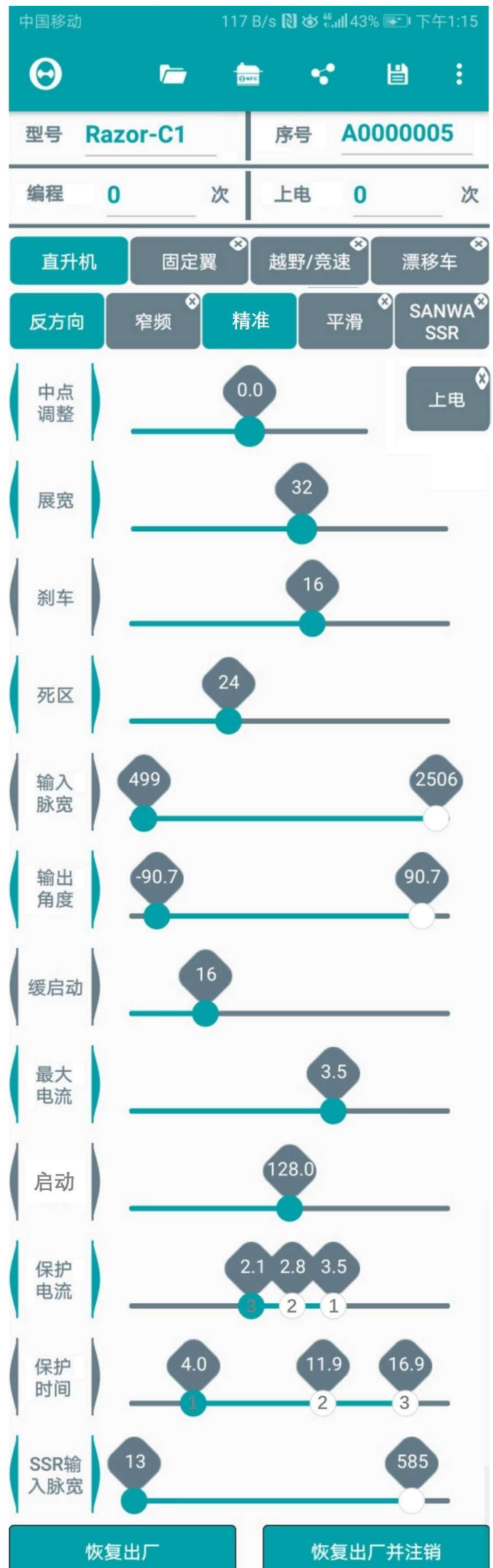
输出角度: 建议将遥控器EPA调整到最大, 同时使用舵机的零位调整功能调零, 再通过调整本参数, 得到需要的舵机输出范围;

可得到最细腻的遥控手感;

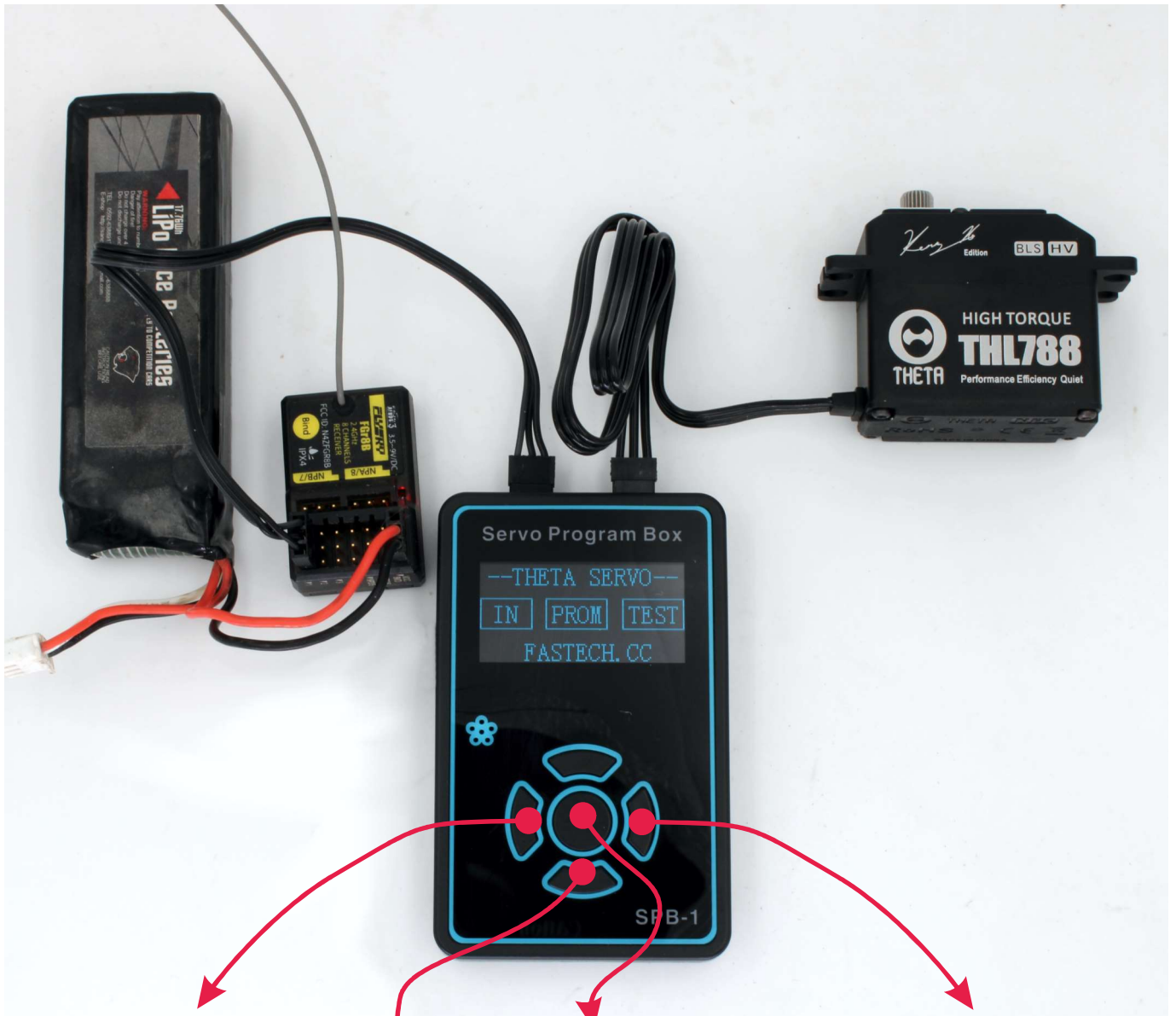
最大电流:

调整舵机最大力量,

最大电流不建议超过7.5A



編程盒適用於全部西塔舵機



```

EXIT
905 1511.- 2096
8.35V 380Hz
    
```

信號檢測
並直通到舵機

```

EXIT
Read File [ ] Read Servo
FASTECH.CC
    
```

舵機參數編程

```

I+- S+-
From To
REC or FBL SERVO
SPB-1 V1.1
    
```

連接方法圖

```

EXIT
1020 1520 2020
PARA
    
```

使用內部信號
測試舵機

PROM

EXIT
Read File [] Read Servo
FASTECH.CC

左鍵

右鍵

EXIT
1 2 3 4 5 6 7 8
PN:THS921A

左鍵

中鍵

EXIT
Write File [] Write Servo

右鍵

EXIT
Write File [] Write Servo
--Write_OK--

```

--THETA SERVO--
PN:Razor-DT1
SN:G250
UP: 0Use: 9

Heli  Acro
Buggy  Drift
Reverse NarrowB
Acc Smooth SANWA

P 48
D 48
Dead Zone 16
InPWM+ (uS) 2267
InPWM- (uS) 759
Max (A) 3.0
Startup 128
OutAngle+ 75.1
OutAngle- 75.1
Soft Start 8
Ovload1 (A) 2.7
Ovload2 (A) 1.3
Ovload3 (A) 0.4
Ovload1 (S) 4.0
Ovload2 (S) 10.0
Ovload3 (S) 18.0
SSRPWM+ 582
SSRPWM- 20
Neutral 0.0

```

舵機信息

反向 窄頻
精准 平滑 三禾

展寬

剎車

死區

輸入脈衝
寬度範圍

最大電流

啓動力

輸出角度
範圍

軟起動

保護啓動
電流

保護啓動
時間

SSR脈衝
輸入範圍

中點

PARA

```

ModeNOR Min 1020
Hz 333 Mid 1520
Step 1 Max 2020
ModeSR Min 510
Hz 833 Mid 760
Step 1 Max 1010
ModeSHR Min 1000
Hz 100 Mid 1500
Step 1 Max 2000
ModeSSR Min 100
Hz 384 Mid 300
Step 1 Max 500
ModeSUR Min 100
Hz 769 Mid 300
Step 1 Max 500

```

TEST

三點測試

EXIT
1020 1520 2020
PARA

中鍵長按

掃描測試

EXIT
1020 (1) 2020
PARA