

Setup Sheet 1/8

Driver name:						
ESC						
Car						
Track type						
Date / Event						
Motor						
Rotor (mm)						
Motor Timing (°)						
Car info - Gear ratio						
Radio info - Break on radio						
Active FAN on ESC (yes / no)						



								Range	Default value
Throttle									
	PWM	kHz	kHz	kHz	kHz	kHz	kHz	0.5 to 45 kHz	8.0 kHz
	expo							-64 to +64	0
	response							-15 to +10	0
Brake									
	min	%	%	%	%	%	%	0 to 99 %	10
	max	%	%	%	%	%	%	1 to 200 %	100 %
	expo							-64 to +125	0
	dragB	%	%	%	%	%	%	0 to 100 %	0 %
	PWM	kHz	kHz	kHz	kHz	kHz	kHz	1.0 to 16.0 kHz	2.0 kHz
Boost Timing									
	rpm 0							1k to 48k	15k
	rpm 1							2k to 49k	25k
	rpm 2							3k to 50k	40k
	boost 1							0 to 63	0
	boost 2							0 to 63	0
	split							no split, 30 to 90	no split
Turbo Timing									
	turbo							0 to 63	25
	delay	s	s	s	s	s	s	0.00 to 1.00 s	0.05 s
	ramp up	/s	/s	/s	/s	/s	/s	10 to 1000 /s, instant	250 /s
	ramp down	/s	/s	/s	/s	/s	/s	10 to 1000 /s, instant	350 /s
Hall Angle									
	rpm 0							5k to 49k	10k
	rpm 1							6k to 50k	44k
	hall angle							0 to 20	0
Motor Power									
	preset							+4T to 0.5T, off	off
Motor Power ExpertMode *									
	power at 0							- 99 to 0	0
	power at 5k							- 99 to 0	0
	power at 10k							- 99 to 0	0
	power at 15k							- 99 to 0	0
	power at 20k							- 99 to 0	0
	power at 25k							- 99 to 0	0
	power at 30k							- 99 to 0	0
	power at 45k							- 99 to 0	0
	power at 60k							- 99 to 0	0
	power at 80k							- 99 to 0	0

Brake Softening

```

BRAKE SOFTENING
preset:    off
full brake at any speed

softening: 0%
<MPwr    edit    drift>
    
```

preset								OFF, S1 to S5	off
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Brake Softening Expert Mode *

```

BRAKE SOFTENING
0@0    0@5k    0@10k
0@15k   0@20k   0@25k
0@30k   0@45k   0@60k
0@80k   softening: 0%
<MPwr    edit    drift>
    
```

softening at 0								- 99 to 0	0
softening at 5k								- 99 to 0	0
softening at 10k								- 99 to 0	0
softening at 15k								- 99 to 0	0
softening at 20k								- 99 to 0	0
softening at 25k								- 99 to 0	0
softening at 30k								- 99 to 0	0
softening at 35k								- 99 to 0	0
softening at 40k								- 99 to 0	0
softening at 45k								- 99 to 0	0
softening at 50k								- 99 to 0	0
softening at 55k								- 99 to 0	0
softening at 60k								- 99 to 0	0
softening at 65k								- 99 to 0	0
softening at 70k								- 99 to 0	0
softening at 75k								- 99 to 0	0
softening at 80k								- 99 to 0	0

Drift

```

DRIFT    OFF
max rpm:  85.0k
rpm drop:  5.0k
power ramp up: soft
rpm: 0.0k
<BSoft    edit    MConf>
    
```

DRIFT								ON /OFF	OFF
max rpm								10.0k to 100.0k	40.0k
rpm drop								0.0k to 10.0k	4.0k
power ramp up								softest to instant	balanced

Protection

```

PROTECTION
voltage warning: 3.2 V
voltage cutoff:  3.1 V
motor limit:     120 °C
ESC limit:       120 °C
<mConf    edit    RXcalib>
    
```

voltage warning	V	V	V	V	V	V	3.1 to 4.1 V	3.5 V
voltage cutoff	V	V	V	V	V	V	3.0 to 4.0 V	3.4 V
motor limit	°	°	°	°	°	°	70 to 150 °C, off	100 °C
ESC limit	°	°	°	°	°	°	70 to 150 °C	125 °C

BEC

```

BEC
voltage: 6.85 V
voltage: 6.83 V
<protect    edit    RXcalib>
    
```

voltage	V	V	V	V	V	V	6.00 to 7.40 V	6.00 V
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* To switch your ESC to Expert Mode, go to Gui Customization in **Orange Menu** and set UI mode to "expert".

```

GUICUSTOMIZATION
UI mode:      expert
temperature units: °C
splashscreen: on
blinkID:      blinking BLINKY
<config    edit    graphsCust>
    
```