ELCERAM

High power electronics for professional RC racing

Setup Sheet 1/10 G2

Driver name:	Michal Orlowski

ESC	NITRIDE						
Car	Mi10						
Track type	Asphalt						
Date / Event	ETS	Apeldoorn					
Motor	4.5t						
Rotor (mm)	12.3						
Motor Timing (°)	35						
Car info - Gear ratio	6.79	71/19					
Radio info - Break on radio	86%						
Active FAN on ESC (yes / no)	Yes						

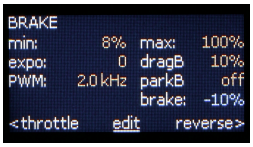


Throttle



								Range	Default value
PWM	8.5 kHz	kHz	kHz	kHz	kHz	kHz	kHz	0.5 to 45 kHz	8.0 kHz
expo	0							-64 to +64	0
response	0							-15 to +10	0

Brake



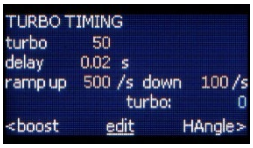
min	5 %	%	%	%	%	%	%	0 to 99 %	10
max	90 %	%	%	%	%	%	%	1 to 200 %	100 %
expo	0							-64 to +125	0
dragB	0 %	%	%	%	%	%	%	0 to 100 %	0 %
PWM	1.5 kHz	kHz	kHz	kHz	kHz	kHz	kHz	1.0 to 16.0 kHz	2.0 kHz

Boost Timing



rpm 0	-							1k to 48k	15k
rpm 1	-							2k to 49k	25k
rpm 2	-							3k to 50k	40k
boost 1	0							0 to 63	0
boost 2	0							0 to 63	0
split	-							no split, 30 to 90	no split

Turbo Timing



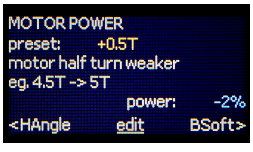
turbo	42							0 to 63	25
delay	0.02 s	s		s	s	s		0.00 to 1.00 s	0.05 s
ramp up	370 / s	/ s	/ s	/ s	/ s	/ s		10 to 1000 / s, instant	250 / s
ramp down	1000 / s	/ s	/ s	/ s	/ s	/ s		10 to 1000 / s, instant	350 / s

Hall Angle



rpm 0	-							5k to 49k	10k
rpm 1	-							6k to 50k	44k
hall angle	0							0 to 20	0

Motor Power



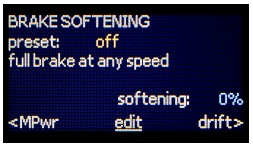
preset	Off							+4T to 0.5T, off	off

Motor Power ExpertMode *



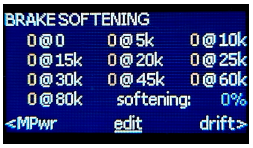
power at 0								- 99 to 0	0
power at 5k								- 99 to 0	0
power at 10k								- 99 to 0	0
power at 15k								- 99 to 0	0
power at 20k								- 99 to 0	0
power at 25k								- 99 to 0	0
power at 30k								- 99 to 0	0
power at 45k								- 99 to 0	0
power at 60k								- 99 to 0	0
power at 80k								- 99 to 0	0

Brake Softening



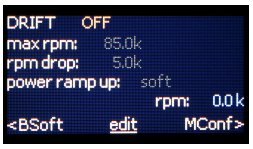
preset	Off						OFF, S1 to S5	off

Brake Softening Expert Mode *



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 45k							- 99 to 0	0
softening at 60k							- 99 to 0	0
softening at 80k							- 99 to 0	0

Drift



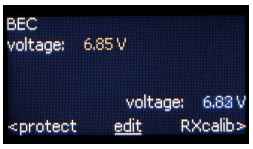
DRIFT	Off						ON /OFF	OFF
max rpm							10.0k to 100.0k	40.0k
rpm drop							0.0k to 10.0k	4.0k
power ramp up							softest to instant	balanced

Protection



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

BEC



voltage	6.0 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".

