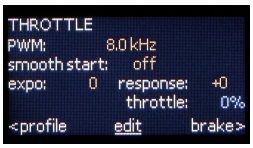
ELCERAM
High power electronics for professional RC racing

Setupsheet

Driver name:	Michal Orlowski

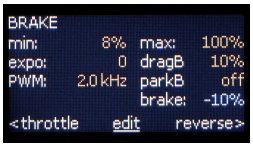
ESC	NITRIDE	NITRIDE	NITRIDE	smoothstart	off	
Car	Mi9 TC	Mi9 TC	Mi9 TC	response	+0	
Track type	CRC carpet	ETS carpet	ETS carpet	parkB	off	
Date / Event	1/2025 Char	2/2025 MIB(	1/2025 ETS	reverse	off	
Motor	5.0t	5.0t	5.0t	split	no split	
Rotor (mm)	12.3	12.3	12.3			
Motor Timing (°)	30	30	30			
Car info - Gear ratio	7.27	7.27	7.27			
Radio info - Break on radio	90%	90%	90%			
Active FAN on ESC (yes / no)	no	no	no			

Throttle



							Range	Default value
PWM	7.0 kHz	7.0 kHz	7.0 kHz	kHz	kHz	kHz	0.1 to 45 kHz	8 kHz
expo	0	0	0				-64 to +64	0

Brake

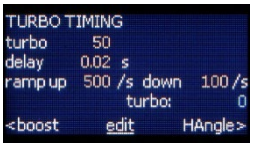


min	10 %	10 %	10 %	%	%	%	0 to 50 %	0
max	90 %	90 %	90 %	%	%	%	1 to 200 %	100 %
expo	0	0	0				-125 to +125	0
dragB	10 %	10 %	10 %	%	%	%	0 to 100 %	0 %
PWM	1.3 kHz	1.8 kHz	1.6 kHz	kHz	kHz	kHz	0.1 to 45 kHz	2 kHz

Boost Timing

rpm 0	-	-	-				1k to 48k	15k
rpm 1	-	-	-				2k to 49k	25k
rpm 2	-	-	-				3k to 50k	40k
boost1	0	0	0				0 to 63	0
boost2	0	0	0				0 to 63	0

Turbo Timing

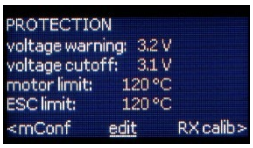


turbo	23	30	27				0 to 63	0
delay	0.02 s	0.02 s	0.04	s	s	s	0.00 to 1.00 s	0.2 s
ramp up	350 / s	300 / s	270 / s	/ s	/ s	/ s	10 to 1k / s	100 / s
ramp down	300 / s	270 / s	270 / s	/ s	/ s	/ s	10 to 1k / s	100 / s

Hall Angle

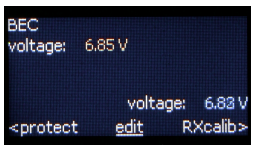
rpm 0	-	-	-				5k to 49k	10k
rpm 1	-	-	-				6k to 50k	44k
hall angle	0	0	0				0 to 63	0

Protection



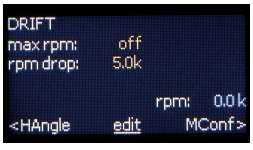
voltage warning	3.1 V	3.1 V	3.1 V	V	V	V	3.1 to 4.1 V	3.6 V
voltage cutoff	3.0 V	3.0 V	3.0 V	V	V	V	3.0 to 4.0 V	3.4 V
motor limit	125 °	125 °	125 °	°	°	°	70 to 150 °C	100 °C
ESC limit	150 °	150 °	150 °	°	°	°	125 to 150 °C	125 °C

BEC



voltage	6.00 V	6.00 V	6.00 V	V	V	V	6 to 7,4 V	6 V

Drift



max rpm	off	off	off	off	off	off	10000 to 60000	off
rpm drop	off	off	off	off	off	off	0 to 10	5