

# MASTER Prog-Box Menu Explanations



Menu Item		Parameter	Explanation
Brake		Off	Brake activation and brake intensity
		Extra Soft	
		Soft	
		Medium	
		Hard	
	Extra Hard		
Heli Mode		Normal / Constant RPM	RPM governor activation for Heli controllers
Motor Pole No.		2-4, 6-10, 12-14	Adaptation of the controlling algorithm to the motor type or number of poles (Heli controllers)
Reverse		On / Off	Selection: Forward/Brake — Forwards/Brake/Backwards (RC Car controllers)
Current Limit		No Limit	Activation and setting of current limits for RC Car controllers. Enables maximum current limitation. No effect on brake settings!
		20,30...100A    20,40,60	
Timing		0°, 1°, 2°...30°    2°, 8°, 15° 30°	Timing settings (advance) may be adjusted to suit the motor type. 2 Pole: 0...7° 4 Pole: 5...15° 8 Pole: 10...20° 10 Pole and higher (outrunners like LRK): minimally 20°
Frequency		8, 16, 32 kHz	Enables setting the frequency to suit the motor type. 8 kHz: universally recommended, lowest efficiency losses in the controller 16 kHz: recommended for low resistance/impedance motors 32 kHz: only recommended for motors with low inductivity
Acceleration		Soft / Medium / Hard	"Delayed" throttle response
Accumulator Type		NiCd/NiMh - Li-Ion/Li-Pol	Battery type selection
NiCd/NiMh	NiCd/NiMh Cut Off	min., 0.4, 0.5, ..., 1.0 V/Cell	Enables setting the voltage per cell for the point at which the controller's cut off circuitry engages.
	Li-Ion/ Li-Pol	Li-Ion/Li-Pol – Number of Cells	Lilo/Po AUTO
2,3 Lilo/Po			
2,3,4,5 Lilo/Po			
3,4,5, 6 Lilo/Po			
4,5,6...10 Lilo/Po			
	3,4,5...10 Lilo/Po		
	Li-Ion/Li-Pol Cut Off	2.0, 2.1, 2.2 ....3.2 V/Cell	Enables setting the voltage per cell for the point at which the controller's cut off circuitry engages. 3.0V/cell recommended!
Cut Off		Slow Down / Hard	Allows setting the low voltage cut off type. The hard setting is highly recommended if the brake is disabled (typical for non-sailplane models).
			Automatic recognition of the motor off throttle setting. The transmitter's throttle lever should be fully off. The trim should be set in the middle.
Initial Fixed Point		Automatic	Automatic recognition of the full throttle motor setting. The transmitter's throttle lever should be fully on. The trim should be set in the middle.
		Fixed 1,0...1,5 ms	Fixed setting for the throttle off point.
End Point		Automatic	Automatic recognition of the full throttle motor setting. The transmitter's throttle lever should be fully on. The trim should be set in the middle.
		Fest 1,7...2,0 ms	Fixed setting for the full throttle point.
Throttle Curve		Logarithmical	Enables setting the throttle curve independently of transmitter programming.
		Linear	
		Exponential	
ABS		On / Off	ABS for brake functions (RC Car controllers)
Power Limit		Forwards: OFF, 75%, 50%, 25%	RPM limiting for RC Car controllers
Power Limit		Backwards: OFF, 75%, 50%, 25%	RPM limiting for RC Car controllers
Delay		0.25, 0.5, 0.75, 1, 1.5, 2, 5s	Delay between motor stop and reverse for Navy and RC Car controllers
Forward Point		Automatic	Automatic recognition of the throttle lever position for forward motion
		Fixed 1,0...1,3ms	Fixed setting for the forward point
Reverse/Brake Point		Automatic	Automatic recognition of the throttle lever position at which the brake/reverse is activated
		Fixed 1,0...1,3ms	Fixed setting for the reverse/brake point
Rotation		Left / Right	Motor rotation reversal via the controller's software
Timing Monitor		On	Activation of the timing monitor
		Off	