ROAR Approved Non-Timing ESC

Manufacture	Part Number	Name/Description	Software Version	Special Notes
Calandra Racing Concepts	CRC4000	Advanced Electronics Black Diamond LV	2.1 software or higher	Has a blinking blue light when the throttle is in neutral and when set to the no-timing profile #1
Calandra Racing Concepts	CRC4002	Advanced Black Diamond	2.1 software or higher	Has a blinking blue light when the throttle is in neutral and when set to the no-timing profile #1
Castle Creations		Mamba Max Pro	V1.26	
Graupner GmbH & Co.	GM-Genius 120	Yellow, Red, and Green blink fast and at the same time in neutral position when the zero mode is active	V13.0	Users must use Mode 0-5 after factory reset or after delivery. Modes 6-9 have high speed timing, no LED blinking. No high speed timing is allowed to set with PC-software. Mode 2 is factory setting. If high speed timing, no LED blinking.
Graupner GmbH & Co.	GM-Genius 150	Yellow, Red, and Green blink fast and at the same time in neutral position when the zero mode is active	V13.0	Users must use Mode 0-5 after factory reset or after delivery. Modes 6-9 have high speed timing, no LED blinking. No high speed timing is allowed to set with PC-software. Mode 2 is factory setting. If high speed timing, no LED blinking.
Graupner GmbH & Co.	GM-Genius 75	Yellow, Red, and Green blink fast and at the same time in neutral position when the zero mode is active	Software Version V13.0	Users must use Mode 0-5 after factory reset or after delivery. Modes 6-9 have high speed timing, no LED blinking. No high speed timing is allowed to set with PC-software. Mode 2 is factory setting. If high speed timing, no LED blinking.
Graupner GmbH & Co.	GM-Genius 90	Yellow, Red, and Green blink fast and at the same time in neutral position when the zero mode is active	V13.0	Users must use Mode 0-5 after factory reset or after delivery. Modes 6-9 have high speed timing, no LED blinking. No high speed timing is allowed to set with PC-software. Mode 2 is factory setting. If high speed timing, no LED blinking.
Hobbico	DTXM1300	Duratrax DE10 Brushless Programable ESC		A blinking green LED will be displayed when the ESC is at 0 (zero) degrees of timing and the throttle is at neutral. Also, if the ESC is at any advancement in timing the LED will be solid green
Hobbywing	81020000(blue) or 81020011(black)	Justock Club SPEC	N/A	Zero timing and non-adjustable
Hobbywing	81020010(blue) or 81020011(black)	Xtreme Stock	508	Zero timing – the RED LED Flashes when the ESC is active and throttle in neutral position.
Hobbywing	81020050	Xerun 60A-SD V2.1 (Blue)	508	Zero timing – the RED LED Flashes when the ESC is active and throttle in neutral position.
Hobbywing	81020051	Xerun 60A-SD V2.1 (Black)	508	Zero timing – the RED LED Flashes when the ESC is active and throttle in neutral position.
Hobbywing	81020170	Xerun 120A-SD V2.1 (Blue)	508	Zero timing – the RED LED Flashes when the ESC is active and throttle in neutral position.
Hobbywing	81020171	Xerun 120A-SD V2.1 (Black)	508	Zero timing – the RED LED Flashes when the ESC is active and throttle in neutral position.
Hobbywing	81020210	Xerun 120A-1S (Black)	508	Zero timing – the RED LED Flashes when the ESC is active and throttle in neutral position.

Hobbywing	81020211	Xerun 120A-1S (Blue)	508	Zero timing – the RED LED Flashes when the ESC is active and throttle in neutral position.
KO Propo	40051	VFS-1 BMC Ver 1.5	Contact Mfg for Firmware Upgrade	Must use zero timing and zero Advanced Profile signified by blinking LED on switch.
Losi	LOSB9500	1/10th Xcelorin Brushless ESC	01.01.30	Must use zero timing and zero Advanced Profile signified by blinking color LED
LRP	LRP80100	Ai Brushless Reverse	N/A	
LRP	LRP80150	Ai Brushless Pro Reverse	N/A	
LRP	LRP80400	SPX Brushless Super Reverse	N/A	
LRP	LRP80410	Crawler ESC	N/A	
LRP	LRP80500	Sphere Brushless ESC	N/A	
LRP	LRP80705 SPX Zero	Non – Updateable Zero timing when in profile 0 and Red LED is flashing		
LRP	LRP809050	LRP SXX "Version 2″ Competirion Brushless ESC	N/A	Must use zero timing and zero Advanced Profile
LRP	LRP809055	LRP SXX TC "Version 2″		Must use zero timing and zero Advanced Profile signified by blinking blue LED when in neutral
LRP	LRP80910	SXX Stock Spec Brushless	N/A	Must use zero timing and zero Advanced Profile signified by blinking blue LED when in neutral.
LRP	LRP80915	SXX Stock Spec V2		Desc: For Spec zero timing mode, both mode 2 (torque) and mode 3(timing) must be set to zero. Blue LED will blink in neutral
Novak	NOV1709	GTB 2 Sportsman Racing Brushless ESC		Desc: When all timing is OFF, then white LED will be OFF to indicate no timing active.
Novak	NOV1710	Novak GTB	N/A	
Novak	NOV1711	Novak GTB Spectrum	N/A	
Novak	NOV1712	Novak Slyder Drift	N/A	
Novak	NOV1731	Novak Havoc 1 Cell	N/A	
Novak	NOV1732	Novak Havoc Sport	N/A	
Novak	NOV1733	Havoc 3S Brushless ESC		(this ESC can be run on 2S or 3S) No timing built into ESC
Novak	NOV1735	Novak Havoc Pro	N/A	
Novak	NOV1740	Kinetic Racing Brushless ESC	Version 1.0 software or higher	ESC must be set at Timing Level = 1 or Zero Timing (default)
Novak	NOV1741	Kinetic 1S Racing Brushless ESC	Version 1.0 software or higher	ESC must be set at Timing Level = 1 or Zero Timing (default) **Note, this ESC will be shipping in August 2010
Novak	NOV1745	Havoc Pro SC Brushless ESC	Version 1.0 software or higher	ESC must be set at Timing Level = 1 or Zero Timing (default)
Speed Passion	Cirtix Stock Club Race # 12280	No Timing adjustments-no LED	Non-Programable	
Speed Passion	EXT98802LPF	GT-LPF 2.0 ESC (Carbon, Silver or Blue Version)	508	Must use zero timing and zero Advanced Profile signified by blinking LED
Speed Passion	EXT98802LPF	LPF 2.1 ESC (Carbon, Silver, Blue)	V508	Must use zero timing and zero Advanced Profile signified by blinking LED
Speed Passion	EXT98802Pro	GT-Pro 2.0 ESC (Carbon, Silver or Blue Version)	508	Must use zero timing and zero Advanced Profile signified by

				blinking LED
Speed Passion	EXT98802PRO	PRO 2.1 ESC (Carbon,Silver,Clue)	V508	Must use zero timing and zero Advanced Profile signified by blinking LED
Tekin	TT1152	Tekin RS ESC	212 ** NOTE NEW SOFTWARE PROFILE**	SPEC – Non Timing Mode is displayed by LED 3&5 blinking when armed and in neutral position. AVAILABLE 10/20/2010
Tekin	TT1153	Tekin RS Pro	212 ** NOTE: NEW SOFTWARE PROFILE	SPEC – Non Timing Mode is displayed by LED 3&5 blinking when armed and in neutral position. AVAILABLE 10/20/2010
Viper RC Solutions	VTX10	#6VSVT10001 Sensored BL ESC w/ProGauge	A19	Non timing indicated by GREEN blinking status LED next to letter "S" on V-port switch housing. In Race Modufied/Timing run modes the "S" LED will be off.
Viper RC Solutions	VTX10-Lite	#6VSVT10002 Sensored BL ESC w/o ProGauge	A19	Non timing indicated by GREEN blinking status LED next to letter "S" on V-port switch housing. In Race Modufied/Timing run modes the "S" LED will be off.
Viper RC Solutions	VTX10R	#6VSVT10R01 Sensored BL ESC w/ProGauge	A19	Non timing indicated by GREEN blinking status LED next to letter "S" on V-port switch housing. In Race Modufied/Timing run modes the "S" LED will be off.
Viper RC Solutions	VTX10R-Lite	#6VSVT10R02 Sensored BL ESC w/o ProGauge	A19	Non timing indicated by GREEN blinking status LED next to letter "S" on V-port switch housing. In Race Modufied/Timing run modes the "S" LED will be off.

ROAR Approved Motor List   *Updated May - 2011*

Modified	Associated/Reedy	LRP	Brushless N.E.O. 1 gray can, black end caps, VTEC
Modified	Associated/Reedy	LRP	Vector X12 Brushless (any wind)
Modified	Associated/Reedy	LRP	Vector X11 Brushless w/bonded or sintered rotor
Modified	Castle Creations	Castle Creations	CM36S/6900CMS
Modified	Castle Creations	Castle Creations	CM36S/5700CMS
Modified	Castle Creations	Castle Creations	CM36S/7700CMS
Modified	Castle Creations	Castle Creations	CM36S/4600CMS
Modified	Castle Creations	Castle Creations	060-0021-00 3600KV
Modified	Checkpoint/Hobbico	Checkpoint/Hobbico	'ALL IN' TCPCXX (XX refers to wind)
Modified	Hacker Brushless USA	Hacker	E40 (any wind)
Modified	Losi	Losi	Losi Xcelorin LOSB9404 (10.5T) and LOSBxxxx
Modified	Murfdogg Racing	Synergy	PN SXXX (denotes wind)
Modified	Novak	Novak	Ballistic 3603
Modified	Novak	Novak	Ballistic 3605
Modified	Novak	Novak	Velociti bare A1 can ends, purple bands
Modified	Novak	Novak	Ballistic 3610
Modified	Novak	Novak	1050 Teardown, bare A1 can ends, purple band

Modified	Novak	Novak	3410SS 10.5 Pro
Modified	Novak	Novak	Ballistic 3608
Modified	Orion	Orion	Vortex 2008 Race X.XT ORI28128 (4.0T), ORI28129 (4.5T) and other winds
Modified	Orion	Orion	Vortex 2008 Stock 10.5 P/N ORI28140
Modified	Orion	Orion	Vortex Brushless 128XX w/sintered rotor (XX refers to wind
Modified	Rocket RC Speed Shop	RC Explorer	Team Powers TP-BLM-0XX100(XX=wind) with 12.4 or 12.5 rotor
Modified	Schumacher USA	Speed Passion	Speed Passion Competition V3 SP138xxV3 (xx=wind)
Modified	Schumacher USA	Speed Passion	Speed Passion Competition V3 SP 138105V3 10.5T
Modified	Schumacher USA	Speed Passion	SP Competition 2.0 with 13.0 rotor P/N RB 13835 (w/fan)
Modified	Schumacher USA	Speed Passion	Speed Passion Competition Series 13835 (any wind)
Modified	Schumacher USA	Speed Passion	SP Competition 2.0 with 12.0 rotor P/N RB 13845 (w/fan)
Modified	Schumacher USA	Speed Passion	SP Competition 2.0 with 13.0 rotor P/N RA 13825 (w/o fan)
Modified	Schumacher USA	Speed Passion	SP Competition 2.0 with 12.5 rotor P/N 13835-ER1 (w/fan)
Modified	Schumacher USA	Speed Passion	SP Competition 2.0 with 12.0 rotor P/N RB13835-ER2 (w/fan)
Modified	Schumacher USA	Speed Passion	SP Competition 2.0 P/N 13825 & 13835 (all winds/rotors listed below)
Modified	Sitl Holdings Inc.	ORCA	OBM0135S 13.5
Modified	Speed Passion USA	Speed Passion	SP Competition V3.0 1 cell p/n 3.5T 1C35V3, 4,5T 1C45V3, 5.5T 1C55V3, 7.5T 1C75V3
Modified	Team Epic/Trinity	Team Epic	DUO 2 10.5 TEP 1000
Modified	Team Epic/Trinity	Team Epic	Nemesis Pro Modified All Winds #TRI105xx (xx refers to wind)
Modified	Team Epic/Trinity	Team Epic	Team Epic/Trinity Nemesis 10.5T #TRI10558
Modified	Team Epic/Trinity	Team Epic	Trinity D3 TEP1061,1062,1063,1064,1065,1066,1067,1068
Modified	Team Epic/Trinity	Trinity	TRI 10209 10.5 (green timing plate)
Modified	Team Epic/Trinity	Trinity	TRI 10403 Pulse Mod (all winds)
Modified	Team Icon Racing	Team Icon Racing	Team Icon Racing 44xxx All Winds (xxx denotes wind, i.e. 44055=5.5T)
Modified	Tekin	Tekin	Redline Type S P/N TT22XX (XX refers to wind)
Modified	Tekin	Tekin	Redline 10.5 Type S P/N TT2253
Modified	Thunder Power RC	Thunder Power	Z3R-M Series p/n TPM-540AXXXX or XXXX (XXX=Wind or XXXX=KV)
Modified	Viper RC Solutions	Viper RC Solutions	8VST0XX001 and 8VST0XX002 (XXdenotes wind) can be used with 8VSPVSTR01,R02,R03,orR05 rotors
Modified (all winds)	Rocket RC Speed Shop	RC Explorer	TP-BLM-XX100-PL (XX denotes wind:ex-35100=3.5T) Team Powers Plutonium
Modified 11.5 T	Hobbywing	Hobbywing	90040100 (Blue) XeRUN
Modified 11.5 T	Hobbywing	Hobbywing	90040101(Grey) XeRUN
Modified 3.5 T	Hobbywing	Hobbywing	90040000 (Blue) XeRUN
Modified 3.5 T	Hobbywing	Hobbywing	90040001 (Grey) XeRUN

Modified 4.5 T	Hobbywing	Hobbywing	90040011(Grey) XeRUN
Modified 4.5 T	Hobbywing	Hobbywing	90040010 (Blue) XeRUN
Modified 5.5 T	Hobbywing	Hobbywing	90040170 (Blue) XeRUN
Modified 5.5 T	Hobbywing	Hobbywing	90040171(Grey) XeRUN
Modified 6.5 T	Hobbywing	Hobbywing	90040170(Blue) XeRUN
Modified 6.5 T	Hobbywing	Hobbywing	90040171(Grey) XeRUN
Modified 8.5 T	Hobbywing	Hobbywing	90040061(Grey) XeRUN
Modified 8.5 T	Hobbywing	Hobbywing	90040060 (Blue) XeRUN
Modified/10.5 Spec	HKS Hobby Inc.	Team Powers	Team Powers 10.5T Spec TP-BLM-105100
Modified/10.5 Spec	Hobbywing	Hobbywing	Grey=90040091 XeRUN
Modified/10.5 Spec	Hobbywing	Hobbywing	Blue=90040090 XeRUN
Modified/10.5 Spec	Shanghai Dualsky	Shanghai Dualsky	53649 Z5-10.5
Modified/10.5 Spec	Speed Passion USA	Speed Passion	SP Competition V3.0 1 cell p/n 1C105V3
Modified/10.5 Spec	Team Epic/Trinity	Team Epic	Trinity D3 10.5 TEP1050
Modified/10.5 Spec	Team Epic/Trinity	Trinity	TRI 10412 Pulse 10.5
Modified/10.5 Spec	Thunder Power RC	Thunder Power	Z3R-S10.5 p/n TPM-S540A105
Modified/10.5 Spec	Viper RC Solutions	Viper RC Solutions	Viper VST 10.5T (PN8VST105001)
Modified/13.5 Spec	Associated/Reedy	LRP	LRP X12 Vector Stock Spec 13.5 #LRP50842
Modified/13.5 Spec	Hacker Brushless USA	Hacker	E40 - 13.5T
Modified/13.5 Spec	HKS Hobby Inc.	Team Powers	Team Powers 13.5 TP-BLM-135100
Modified/13.5 Spec	Hobbywing	Hobbywing	Grey=90040121 XeRUN
Modified/13.5 Spec	Hobbywing	Hobbywing	Blue=90040120 XeRUN
Modified/13.5 Spec	Losi	Losi	Xcelorin 13.5 LOSAB9405
Modified/13.5 Spec	LRP	LRP	Vector X11 Stockspec 13.5T #50840, black motor shaft
Modified/13.5 Spec	Murfdog Racing	Synergy	Murffdog S135
Modified/13.5 Spec	Murfdogg Racing	Synergy	PN S135 13.5T with 1.3 or 12.5 rotor (pn's R123 or R125)
Modified/13.5 Spec	Novak	Novak	Ballistic 3613
Modified/13.5 Spec	Novak	Novak	3413SS 13.5 Pro
Modified/13.5 Spec	Orion	Orion	Vortex 2008 Stock 13.5 P/N ORI28141 - Rotor without fan
Modified/13.5 Spec	Schumacher USA	Speed Passion	Speed Passion Competition V3 SP 138135V3 13.5T
Modified/13.5 Spec	Schumacher USA	Speed Passion	SPF135 Ultra Sportsman Stock
Modified/13.5 Spec	Shanghai Dualsky	Shanghai Dualsky	53651 Z5-13.5
Modified/13.5 Spec	Speed Passion USA	Speed Passion	SP Competition V3.0 1 cell p/n 1C135V3
Modified/13.5 Spec	Team Epic/Trinity	Team Epic	DUO 2 13.5 TEP 1001
Modified/13.5 Spec	Team Epic/Trinity	Team Epic	Trinity D3 13.5T TEP1051
Modified/13.5 Spec	Team Epic/Trinity	Team Epic	Team Epic/Trinity Nemesis 13.5T #TR110559
Modified/13.5 Spec	Team Epic/Trinity	Team Epic	Trinity D3 13.5 TEP1051
Modified/13.5 Spec	Team Epic/Trinity	Trinity	TRI 10413 Pulse 13.5

Modified/13.5 Spec	Team Epic/Trinity	Trinity	TRI 10210 13.5T (blue timing plate)
Modified/13.5 Spec	Team Icon Racing	Team Icon Racing	Team Icon Racing 44135
Modified/13.5 Spec	Team ORCA USA	SITL Holdings	OMB135X2 ORCA-RX2-13.5T
Modified/13.5 Spec	Tekin	Tekin	Redline 13.5 Type S P/N TT2252
Modified/13.5 Spec	Thunder Power RC	Thunder Power	Z3R-S13.5 p/n TPM-540A135
Modified/13.5 Spec	Viper RC Solutions	Viper RC Solutions	Viper VST 13.5T (PN8VST135001)
Stock/17.5 Spec	Associated/Reedy	LRP	LRP X12 Vector Stock Spec 17.5 # LRP50852
Stock/17.5 Spec	Associated/Reedy	LRP	Vector X11 Stockspec 17.5T
Stock/17.5 Spec	Hacker Brushless USA	Hacker	E40 - 17.5T
Stock/17.5 Spec	HKS Hobby Inc.	Team Powers	Team Powers 17.5 TP-BLM-175100
Stock/17.5 Spec	Hobbywing	Hobbywing	Grey=90040141 XeRUN
Stock/17.5 Spec	Hobbywing	Hobbywing	Blue=90040140 XeRUN
Stock/17.5 Spec	Losi	Losi	Xcelorin 17.5 LOSAB9406
Stock/17.5 Spec	Murffdog Racing	Synergy	Murffdog S175
Stock/17.5 Spec	Novak	Novak	Ballistic 3617
Stock/17.5 Spec	Novak	Novak	3417 SS 17.5 Pro
Stock/17.5 Spec	Orion	Orion	Vortex 2008 Stock 17.5
Stock/17.5 Spec	Rocket RC Shop / RC Explorer	Team Powers	TP-BLM-175100-PL w/TP-BLR-TP123G, 12.3mm rotor
Stock/17.5 Spec	Schumacher USA	Speed Passion	SPF175 Ultra Sportsman Stock
Stock/17.5 Spec	Schumacher USA	Speed passion	Speed Passion Competition V3 17.5 SP 138175V3
Stock/17.5 Spec	Shanghai Dualsky	Shanghai Dualsky	53652 Z5-17.5
Stock/17.5 Spec	Sitl Holdings Inc.	ORCA	OBM0175S
Stock/17.5 Spec	Speed Passion USA	Speed Passion	SP Competition V3.0 1 cell p/n 1C175V3
Stock/17.5 Spec	Team Epic/Trinity	Epic	Nemesis 17.5T # TRI10560
Stock/17.5 Spec	Team Epic/Trinity	Team Epic	DUO 2 17.5 TEP 1002
Stock/17.5 Spec	Team Epic/Trinity	Team Epic	Monster Locked 17.5T
Stock/17.5 Spec	Team Epic/Trinity	Team Epic	Trinity D3 17.5 TEP1053
Stock/17.5 Spec	Team Epic/Trinity	Trinity	TRI 10414 Pulse 17.5T
Stock/17.5 Spec	Team Epic/Trinity	Trinity	TRI 10220 17.5T (red timing plate)
Stock/17.5 Spec	Team Icon Racing	Team Icon Racing	Team Icon Racing 44175
Stock/17.5 Spec	Tekin	Tekin	Reline 17.5T Type-S P/N 2251
Stock/17.5 Spec	Thunder Power RC	Thunder Power	Z3R-S17.5 p/n TPM-540A175
Stock/17.5 Spec	Viper RC Solutions	Viper RC Solutions	Viper VST 17.5T (PN8VST175001)
Stock/21.5 Spec	Hobbywing	Hobbywing	Grey=90040151 XeRUN
Stock/21.5 Spec	Hobbywing	Hobbywing	Blue=90040150 XeRUN
Stock/21.5 Spec	Novak	Novak	Ballistic 3621
Stock/21.5 Spec	Novak	Novak	3421SS Pro 21.5T
Stock/21.5 Spec	Schumacher USA	Speed Passion	Speed Passion Competition V3 SP 138215V3 21.5T

Stock/21.5 Spec	Speed Passion USA	Speed Passion	SP Competition V3.0 1 cell p/n 1C215V3
Stock/21.5 Spec	Team Epic/Trinity	Team Epic	Triniyy D3 21.5 TEP 1057 Purple Capped Rotor
Stock/21.5 Spec	Team Epic/Trinity	Trinity	TRI 10415 Pulse 21.5T
Stock/21.5 Spec	Tekin	Tekin	Redline 21.5 P/N TT2250
Stock/21.5 Spec	Thunder Power RC	Thunder Power	Z3R-S21.5 p/n TPM-540A215
Stock/21.5 Spec	Viper RC Solutions	Viper RC Solutions	Viper VST 21.5T (PN8VST215001)