

CHANGE SETTINGS

The settings of the 600Z-G2 can be changed by using the Power button or by using the Blackbox PROgrammer2 (#27027, sold separately).

Power Button/LED

- With the ESC ON, press and hold the Power button to enter the Settings Menu. Entry is confirmed when you hear a tone and the green LED blinks. The number of times the green LED blinks, and the accompanying tone, corresponds with the mode being changed. When entering the Settings Menu, you automatically begin at mode #1.

- Advance to the mode number that you would like to change by pressing the Power button. After each press, you will receive an audible confirmation and a blinking green LED that corresponds to the mode number.

NOTE: You must allow the LED blinking sequence to finish before pressing the Power button to advance to the next mode.

- When you have reached the mode that you want to change, press and HOLD the Power button until you hear the audible tone and red blinking LED. The number of blinks of the LED indicates the currently saved value.

- To change the value, press the Power button to advance to the next value. Continue to press the Power button until you have reached the value that you would like to save indicated by the corresponding number of blinks.

NOTE: You must allow the LED blinking sequence to finish before pressing the Power button to advance to the next value.

- Press and HOLD the Power button until you hear the audible tone, and then release the Power button. This stores the value and returns you to the Settings Menu. If you would like to make changes to other settings, return to step #2. Otherwise, proceed to the next step.

- To save the values you have selected, you must remove power from the ESC by unplugging the battery. Your changes have now been saved and are ready for the next time you hit the track.

Blackbox PROgrammer2

Before using your PROgrammer2 to change your ESC's settings, the appropriate firmware must first be installed using the Blackbox Link PC program. Please visit the 600Z-G2 product page at www.reedypower.com to locate and download the appropriate files. Once the correct firmware has been installed, follow these steps:

- Plug the ESC's RX wire into Programmer2
- Press OK after the Blackbox Programmer, PB Firmware Version, and ESC Firmware Version splash screens.
- Use the ESC and OK buttons to scroll to the desired setting option to be changed.
- Use the up/down arrow buttons to select the value for that setting.
- Changes are saved immediately. Once all changes are completed, unplug the Programmer2 extension wire from the ESC.
- Power OFF the ESC. The new settings will take effect the next time the ESC is powered ON.

Setup sheets obtained from Ready team drivers can be found at www.ReadyPower.com. These can be extremely helpful in determining good starting setups for your application. Blank editable setup sheets are also available which can be filled out and printed or saved for future reference.

WARRANTY

Your Ready Blackbox ESC is warranted to the original purchaser for 120 days from the date of purchase, verified by the sales receipt, against defects in material and workmanship. Product that has been mishandled, abused, used incorrectly, used for an application other than intended, or damaged by the user are not covered under warranty. Associated Electronics Inc. is not liable for any loss or damage, whether direct or indirect, incidental or consequential, or from any special situation, arising from the use, misuse, or abuse of this product.

SETTINGS MENU

		VALUE (Red LED)							
MODE (Green LED)		1	2	3	4	5	6	7	8
	1	OPERATION MODE	*F/B	F/B/R	-	-	-	-	-
	2	DRAG BRAKE	*0%	5%	10%	15%	20%	25%	30%
	3	POWER PROFILE	LEVEL 1	LEVEL 2	*LEVEL 3	LEVEL 4	LEVEL 5	-	-
	4	DRIVE FREQUENCY	2KHZ	*4KHZ	6KHZ	8KHZ	12KHZ	-	-
	5	BRAKE FREQUENCY	1KHZ	*2KHZ	3KHZ	4KHZ	6KHZ	-	-
	6	RESTORE DEFAULT	*NO	YES	-	-	-	-	-

OPERATION AND WARNINGS

Operation	ESC Signal		Warning	ESC Signal		Motor Power
	Red	Green		Red	Green	
Neutral throttle position F/B Mode		blink	ESC engaged		solid	reduced*
Neutral throttle position F/R Mode	solid	blink	ESC temp cutoff	solid		reduced*
Full throttle position		solid	No radio signal	blink	abnormally	
Full brake position	solid		Sensor wire removed/failure	blink		

*At 0% throttle position, the ESC will operate in neutral, full brake, or full throttle.

*High-pitch beeper when the ESC is powered OFF and ON, and the potential signal beeper when the ESC is powered ON.

TROUBLESHOOTING

Troubleshooting	Problem	Cause	Solution
ESC overheats		Motor over-gear	Change final drive ratio (FDR)
		Lack of air flow	Re-position ESC
Motor overheats		Mechanical timing too high	Reduce motor timing
		Insufficient motor cooling	Add cooling fan and/or heatsink
		Weak motor	Install new motor
Power speed or performance		Insufficient final drive ratio (FDR)	Change final drive ratio (FDR)
		Transmitter settings changed	Verify correct full throttle setting
		External capacitor unit damaged	Install new capacitor unit
		Incorrect ESC settings	Verify correct settings
		Motor damaged or defective	Inspect and repair necessary components
Motor stutters under acceleration		Damaged ESC	Return ESC for repair
		Damaged sensor wire	Replace sensor wire
		Damaged motor sensor board	Replace sensor board
		External capacitor unit damaged	Install new capacitor unit
No motor power, but servo functions		Damaged ESC	Return ESC for repair
		ESC plugged into RX incorrectly	Verify RX wire is plugged into Ch. 2
		ESC Temp or Battery Cutoff engaged	Wait for ESC to cool or re-charge battery
		Motor damaged or defective	Repair or install new motor
		Motor sensor wire missing or damaged	Install or replace motor sensor wire
No motor or servo power		Damaged ESC	Return ESC for repair
		ESC RX wire plugged in backwards	Plug the RX wire in correctly
		Poor battery connection/defective battery	Improve connection or replace battery
		No radio signal	Check/re-charge TX/RX
ESC works intermittently		Damaged ESC	Return ESC for repair
		Dead or damaged battery	Charge or replace battery
		Bad battery connection	Improve connection or replace battery
		Damaged motor	Repair or replace motor
		Damaged ESC	Return ESC for repair



Associated Electronics, Inc. declares that this product complies with the essential requirements and other relevant provisions of the European Directive 2014/53/EU.



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