

## Factory Installed Firmware

- Factory firmware can be found below and re-installed using the Blackbox Link 2.3 PC program.
- If you want to reinstall 510R and 850R factory firmware, first install PROgrammer2 version **EE450121** under **Firmware Updates** before re-installing. To reinstall 1000Z+ PRO factory firmware, first install PROgrammer2 version **EE460126**. To reinstall 510R 1S factory firmware, first install PROgrammer2 version **EE460127**. To reinstall 600Z-G2 factory firmware, first install PROgrammer2 version **EE460132**.

Model	Date	File Name	File Description	Firmware & Manual
510R	3/9/2018	B468314	Factory firmware	<a href="#">link</a>
850R	5/19/21	C468213	Factory Firmware	<a href="#">link</a>
1000Z+ PRO	3/25/19	B468400	Factory firmware	<a href="#">link</a>
510R 1S	1/22/20	B468101	Factory firmware	<a href="#">link</a>
600Z-G2	2/17/21	11858702	Factory Firmware	<a href="#">link</a>

These files are compressed files. To download and use zip files, see this link: <https://www.wikihow.com/Open-a-Zip-File-Without-Winzip>

## Firmware Updates

Firmware updates can be found below and installed using the Blackbox Link 2.3 PC program.

PROgrammer2 #27027				
Model	Date	File Name	File Description	Firmware & Manual
PROgrammer2	3/19/18	EE460121	Adds 510R/850R (with factory firmware) universal programming functionality. Required for 850R firmware version B468317.	<a href="#">link</a>
PROgrammer2	5/9/18	EE460123	Required for compatibility with 510R firmware version B468316.	<a href="#">link</a>
PROgrammer2	3/25/19	EE460126	Required for 1000Z+ PRO programming. Not compatible with 510R and 850R ESCs.	<a href="#">link</a>

PROgrammer2	1/22/20	EE460127	Required for 510R 1S programming. Not compatible with 510, 850R, and 1000Z+ PRO ESCs.	<a href="#">link</a>
PROgrammer2	2/16/21	EE460132	Required for 600Z-G2 programming. Not compatible with other ESCs.	<a href="#">link</a>

**510R ESC #27004**

Model	Date	File Name	File Description	Firmware & Manual
510R	5/9/18	B468316	Adds "Instant" release option to the Turbo "4K Release Rate" menu in Expert mode. Requires installation of PROgrammer2 firmware version EE460123.	<a href="#">link</a>

**850R ESC #27007**

Model	Date	File Name	File Description	Firmware & Manual
850R	6/8/21	C468213	Improves BEC stability and reduces servo noise interference. Bug fixes. Requires PROgrammer2 firmware EE450121	<a href="#">link</a>
850R	9/28/21	B468317	Adds all 510R tuning options for Drag Racing with a 2S battery limit. Bug fixes. Requires PROgrammer2 firmware EE460121.	<a href="#">link</a>