

## Factory Installed Firmware

- Factory firmware can be found below and re-installed using the Blackbox Link 2.1 PC program.
- If you want to reinstall 510R and 850R factory firmware, first install PROgrammer2 version **EE450121** under **Firmware Updates** before re-installing.

Model	Date	File Name	File Description	Firmware & Manual
510R	3/9/2018	B468314	Factory firmware	<a href="#">link</a>
850R	3/9/2018	C468210	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 2.1 PC program.

PROgrammer2 #27027				
Model	Date	File Name	File Description	Firmware & Manual
PROgrammer2	3/19/18	EE450121	Adds 510R/850R (with factory firmware) universal programming functionality. Firmware version viewable in Blackbox Link 2.1.	<a href="#">link</a>
<b>NEW</b> PROgrammer2	5/9/18	EE450123	Required for compatibility with 510R firmware version B468316.	<a href="#">link</a>

510R ESC #27004				
Model	Date	File Name	File Description	Firmware & Manual
<b>NEW</b> 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				

