

Summary	Upgrading system 4 controller operational software.				
Products Affected	All system 4 controllers				
Key Word Tags	Sys4, Software, Upgrade				
Tools/Equipment (If Required)	Phillips Screw Driver				
Parts/Materials (If Required)	4gb USB stick with software loaded onto it.				
Related Media					
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The system 4 controller software can be upgraded via the USB stick to install the most current operational software. The operational software can be emailed and transferred to a USB stick and installed into the controller. When the software is emailed, the two files will arrive with a .bi_ file extension. When the files are transferred to a blank USB stick, the .bi_ will need to be changed to .bin file extension. Note: *These files cannot be opened.*

The following procedure explains how to install the new software.

1. Set parameter P.999=10.
2. Document the settings at P.991 and P.F07.
3. Remove existing USB and format / delete all files.
4. Power down the controller and wait for 15-20 seconds.



The disconnect must be in the OFF position and properly locked and tagged before performing the next step of the procedure.

5. Install USB with new software (tst_fu3r.bin & TST FU3R-RY V02-01.XXEDIBF.bin) and hold stop button while the power is turned on. Note: *XX will be the current software number*
6. When you see the software version scrolling across screen, release stop button.
7. Screen should now read Bootloader and start to “erase” existing program. It will then begin to upload new version. When it has uploaded and reached 100% the screen should say F.964 “new program”.
8. Remove the update USB.
9. Enter the parameters and it should take you directly to P.990.
10. Change P.990= 1, lock it in and wait for “factory default” message to disappear.
11. Change P.991= the value you recorded in step 2.
12. Enter mobile address documented in step 2 into P.F07.
13. Install original (formatted) USB back into controller.
14. Exit parameters and set limits.

If you have any questions please contact Rytec Customer Support at 1-800-628-1909.