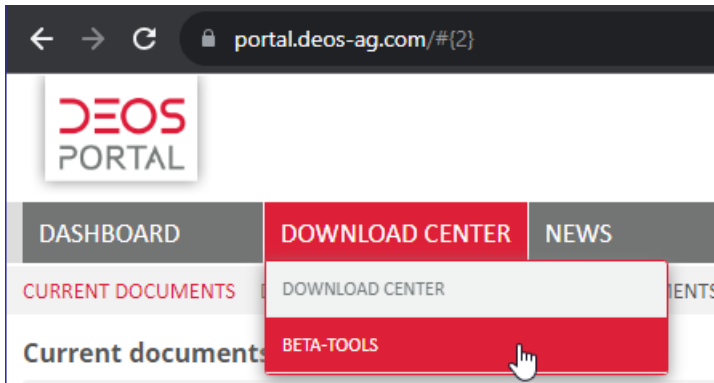# TT230803 – OPEN - Controller Parameters Backup and Restore
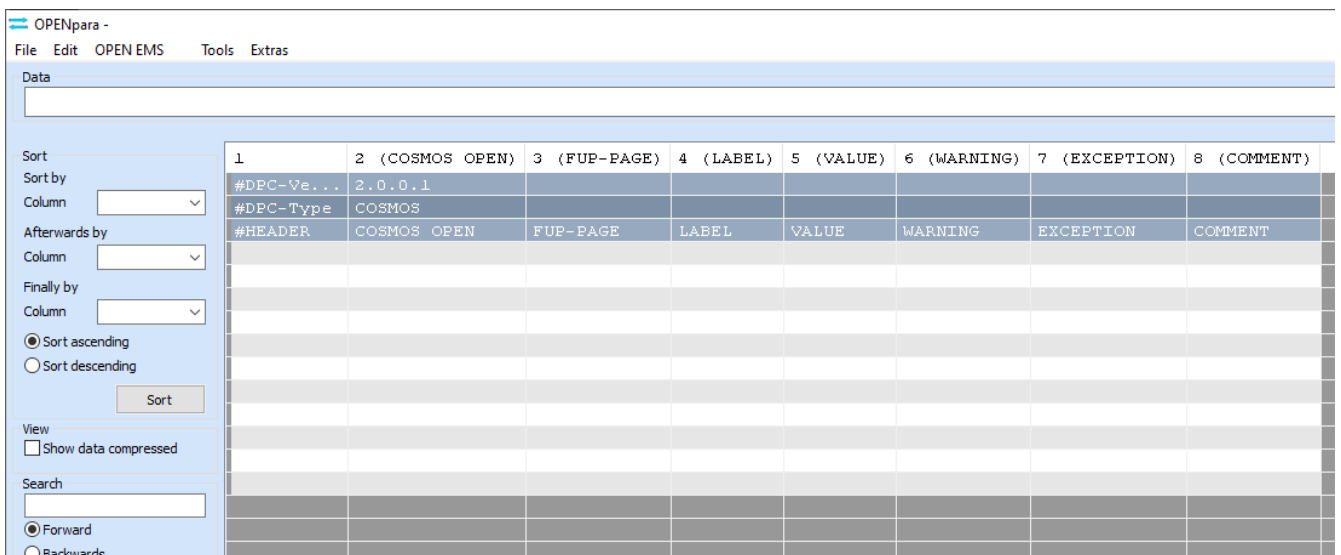
1. In TT230803 and TT211204, we show you how to backup and restore controller parameters using OPENweb. In this document, we will show you how to do the same (and easier) using OPENpara.
2. First, you need to download the OPENpara from DEOS portal (portal.deos-ag.com). It is under "Download Center", "Beta Tools".
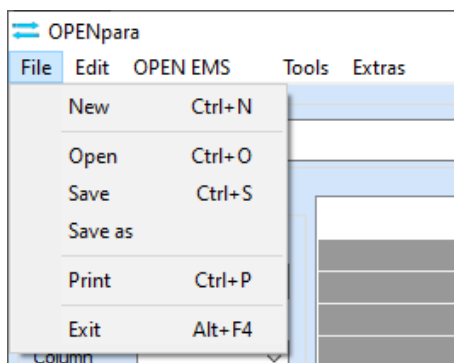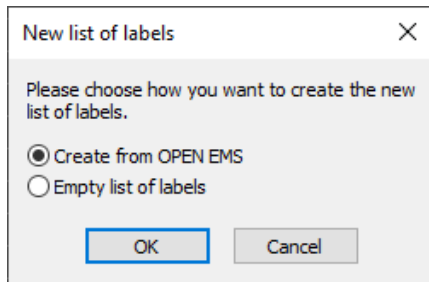

3. Download and install it on your PC.
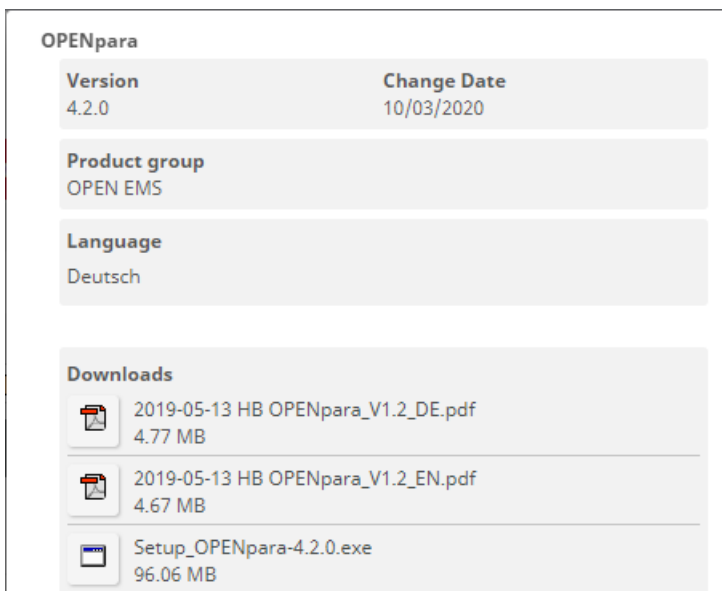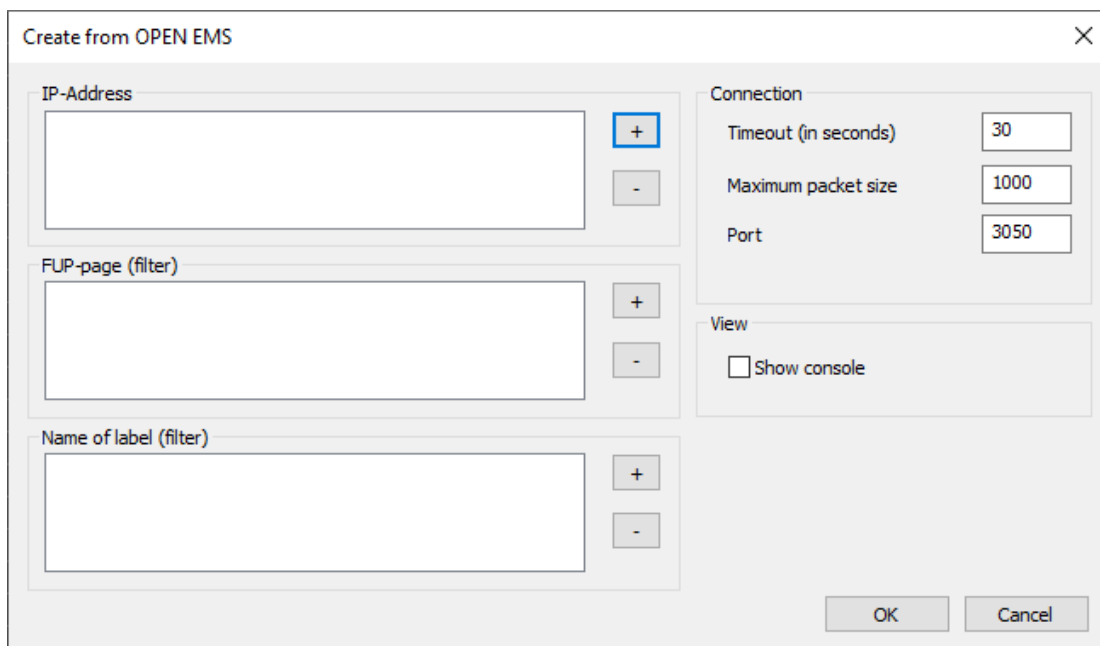

4. Run the program.

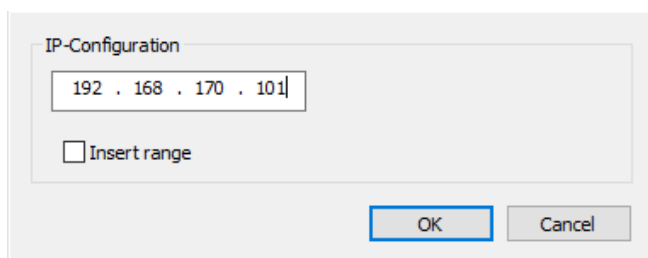5. To backup the controller parameter, click on "File", "New".

6. Select "Create from OPEN EMS" and click "OK".

7. Click the "+" button next to "IP-Address".

8. Enter controller IP address and click "OK". Then click "OK" again to start reading the parameters from the controller.

9. Once finished, you can see all the parameters in the controller. **Note**: all the parameters are read from the controller including system parameters, so you must be careful in using the program.

| 1	2 (COSMOS OPEN)	3 (FUP-PAGE)	4 (LABEL)	5 (VALUE)	6
#	DPC-Version	2.0.0.1			
#	DPC-Type	COSMOS			
#	COSMOS OPEN	0	192.168.170.101	3050	
#HEADER	COSMOS OPEN	FUP-PAGE	LABEL	VALUE	W
0		System	ABKUP	0	
0		System	AUDIURA	32768	
0		System	AUDIURB	32768	
0		System	AUDIURC	32768	
0		System	AUDIURD	32768	
0		System	AUDIURE	32768	
0		System	AUDIURF	32768	
0		System	AUDIURG	32768	
0		System	AUDIURH	32768	

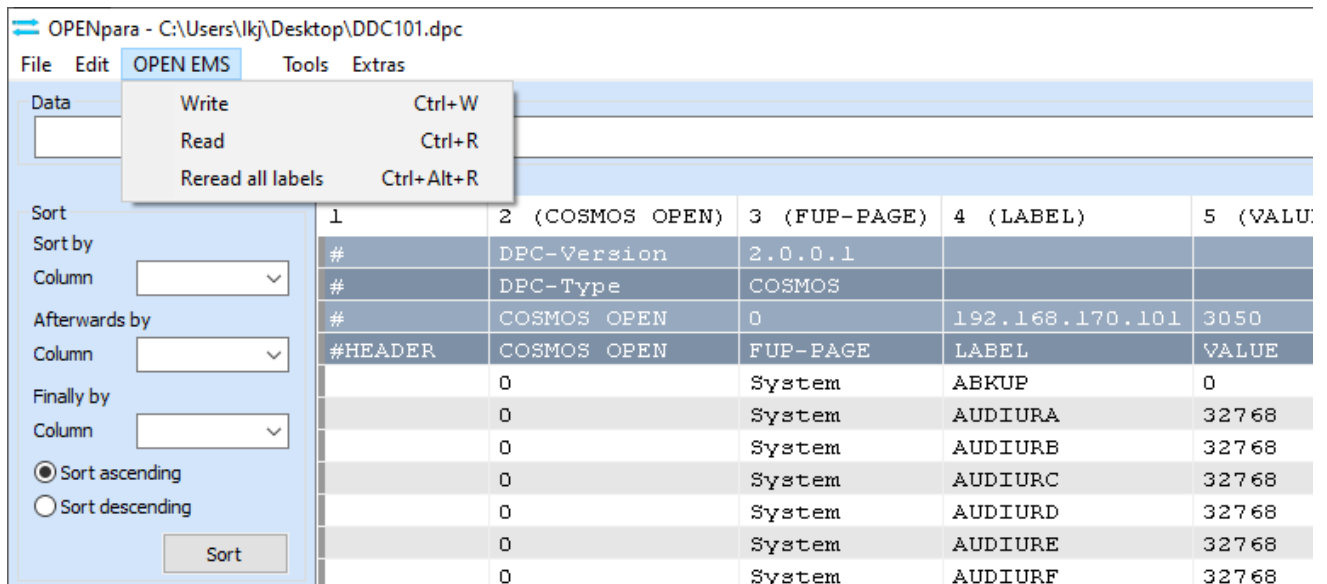10. To save the controller parameter, click "File", "Save".
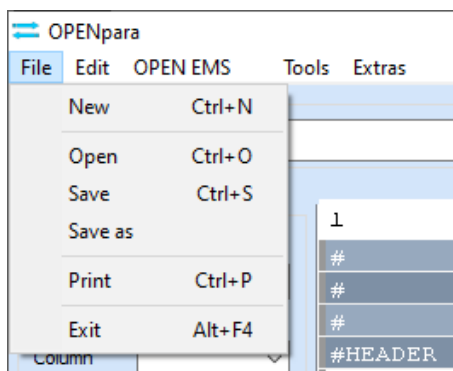
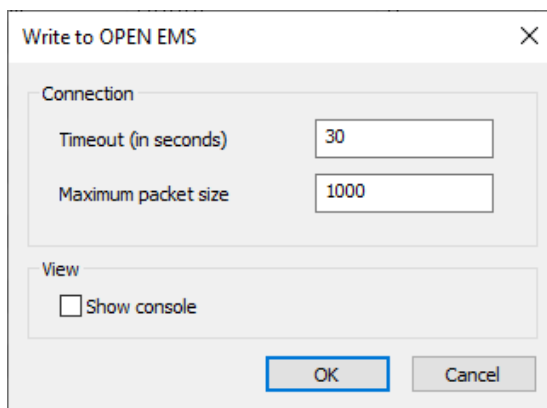11. Enter the filename and click "Save". It's done!
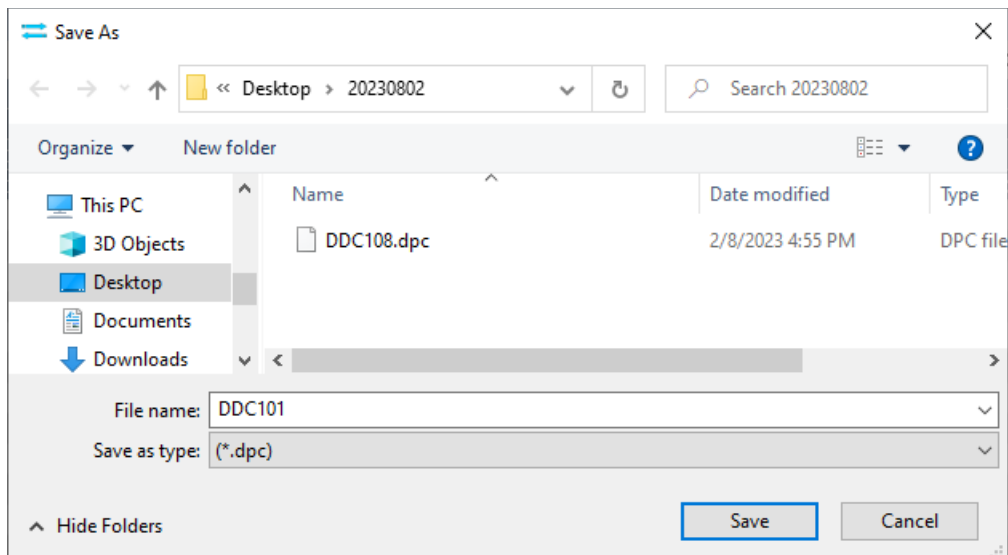
12. To restore parameters, click "File", "Open". Select the ".dpc" file and click "Open".
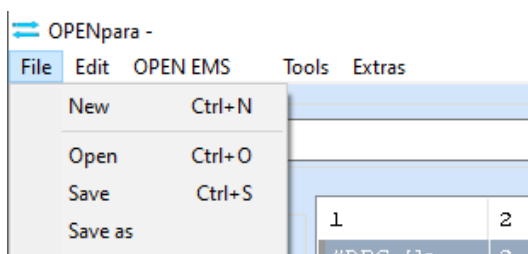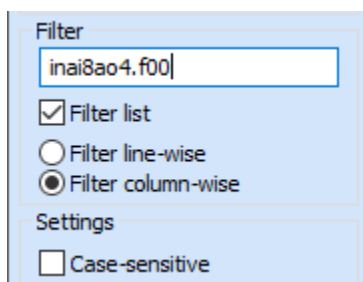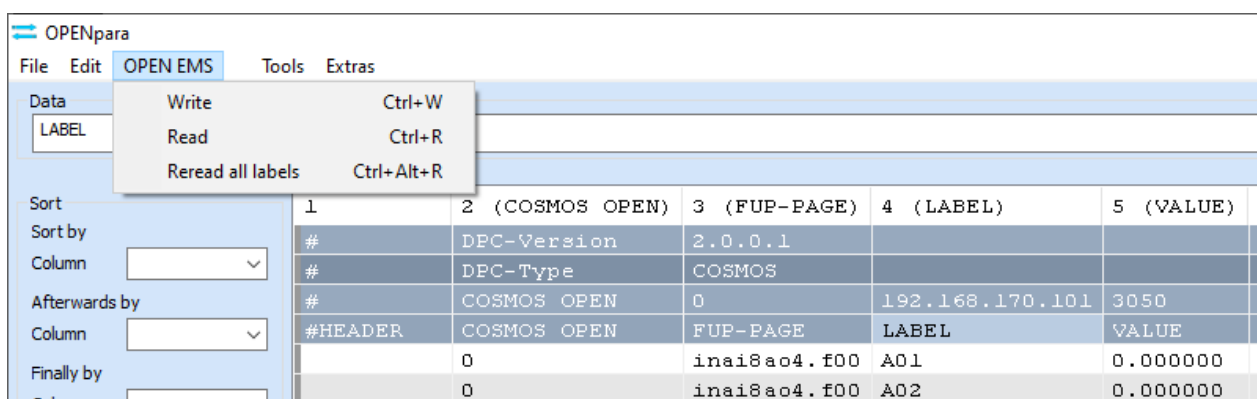
13. Click on "OPEN EMS", "Write".

14. Click "OK" to start restoring parameters to the controller. It's done!

15. You can only restore specific FUP page parameters to the controller. In the "Filter" section, enter "inai8ao4.f00" and press "Enter".

16. You should now only see the parameters from "inai8ao4.f00" FUP page. Click "OPEN EMS", "Write" to restore these parameters to the controller.

17. You can also restore these parameters to another controller, provided that the FUP pages are exactly the same. Double click the "IP address" cell and enter the other controller IP address.

18. Click "OPEN EMS", "Write" to restore these parameters to the other controller.

19. OPENpara has many other useful functions that help you manage the OPEN controller parameters easily. Please refer to the manual "2019-05-13 HB OPENpara_V1.2_EN.pdf" for details. You can download it from DEOS portal.

20. **Note**: all the parameters can be read and write to/from the controller including system parameters, so you must be very careful in using the program. Please test in it your office in details before using it on-site for real project.