

How to downgrade to Shimano firmware version 4.3.2 to be able to modify your bike with the eMax software

The situation at the moment is that the latest **eMax** (version 3.99) is not (already) completely compatible with the newest firmware 4.4.2 for the drive unit (motor) from Shimano.

Because of this, you have to “downgrade” your bike to the last version which is compatible with **eMax** in order to use the **eMax** software.

The firmware version from Shimano you have to downgrade is version 4.3.2.

This document will explain how you could achieve this downgrade...

For simplification, please use also the picture based document **eTube-Downgrade-Deutsch-English-Version_1_3.pdf** which could be downloaded via this internet link: www.eMax-Tuning.com/eTube-Downgrade-Deutsch-English-Version_1_3.pdf

Now download the compressed firmware file **DUE8000-Downgrade_1_0.zip** from this internet link: www.eMax-Tuning.com/DUE8000-Downgrade_1_0.zip.

Unzip the downloaded file to its original files **DUE8000-D.4.5.2.dat** and **DUE8000-M.4.5.3.dat** and copy these unpacked files to the already existing folder **C:\ProgramData\Etube Project\FW** on your computer.

If you cannot find this folder on your Windows computer, then maybe this folder is marked as hidden and you have to set the settings in the Windows **file explorer** to show “all folders”.

The folder should look similar to this (and a lot of *.dat files are in this place):

Name	Änderungsdatum	Typ	Größe
UE8000-M.5.3.2.dat	23.11.2019 13:41	DAI-Datetei	113 KB
DUE6002-D.3.1.9.dat	03.08.2017 12:08	DAT-Datetei	60 KB
DUE6002-D.3.2.6.dat	23.01.2018 19:02	DAT-Datetei	61 KB
DUE6002-M.3.1.13.dat	01.12.2017 11:30	DAT-Datetei	121 KB
DUE6002-M.3.2.5.dat	23.01.2018 19:02	DAT-Datetei	120 KB
DUE8000-D.4.3.1.dat	01.12.2017 11:30	DAT-Datetei	63 KB
DUE8000-D.4.3.4.dat	22.01.2018 12:43	DAT-Datetei	62 KB
DUE8000-D.4.4.1.dat	30.03.2018 11:40	DAT-Datetei	63 KB
DUE8000-D.4.5.2.dat	30.03.2018 12:38	DAT-Datetei	63 KB
DUE8000-M.4.3.0.dat	01.12.2017 11:30	DAT-Datetei	105 KB
DUE8000-M.4.4.2.dat	30.03.2018 11:40	DAT-Datetei	105 KB
DUE8000-M.4.5.3.dat	30.03.2018 12:38	DAT-Datetei	105 KB
EW97A-2.0.2.dat	25.02.2015 09:40	DAT-Datetei	29 KB
EWEX010.3.2.3.dat	03.08.2017 12:08	DAT-Datetei	47 KB
EWEX020.3.0.1.dat	23.07.2015 18:47	DAT-Datetei	34 KB
EWRS910.3.1.2.dat	25.11.2016 15:41	DAT-Datetei	23 KB

Then start the **eTube** software from Shimano again (I think you have done this already when updating the firmware on your bike). Normally **eTube** should suggest a firmware update for the motor (Drive Unit DUE8000) then.

Now follow the instructions and “update” your bike to the shown **4.5.3** version (which is actually the real version **4.3.2**)

When the update is done successfully, then delete the copied files **DUE8000-D.4.5.2.dat** and **DUE8000-M.4.5.3.dat** from the folder **C:\ProgramData\Etube Project\FW** again. You do not need them any more.

As soon as you have done this, power your bike off and then on again.

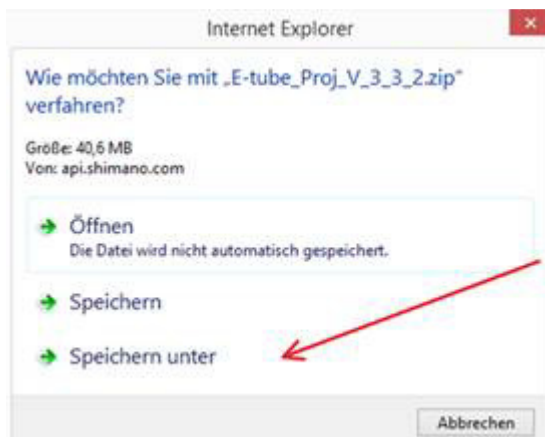
Now you can start the **eMax** software, read all the information (now it should show version **4.3.2**). Then enter the licence key (if not done already) and then you can modify your bike like you want.

***** perfect, you're done! *****



There is a possibility that future versions of **eTube** will not allow the downgrade procedure.

Because of this, it is a good idea to download the complete **eTube 3.3.2** program installation from <http://e-tubeproject.shimano.com/application/>.



If you save the "**E-tube_Proj_V_3_3_2.zip**" – file to a well-known location on your computer, you can do the installation of this version 3.3.2 of **eTube** whenever or wherever you want and therefore you can do the downgrade of a firmware version at any time.

We are very sorry for the inconvenience and hope this process will work out fine for you.

Please do not update your bike to a newer firmware version, otherwise the functionality of eMax will vanish.

We try our best to create a new version of **eMax** which will be compatible with the latest firmware of Shimano.

Best regards,

eMax – development team