EMERSON
Industrial Automation

Application Note
CTAN #369

Quantum MP Default Files

This Application Note is pertinent to the Quantum MP Drive Family

On occasion it may be necessary to reload a Quantum MP Drive with factory settings. Reasons for reloading to factory settings:

1) If one were dabbling with parameters and seemed to get them all messed up
2) Drive moved from one motor application to another
3) Swapping the Main Control board from one drive to another
4) Drive tripping on **EEF** (parameter memory error) fault may require a flushing by defaulting drive then resetting with Quantum MP factory settings.

One could reload Quantum MP Factory settings in three different ways.

1) <u>Manually</u> – by entering the 18 differences from default (below) using the Keypad

Parameters:

#05.16 = On	**DC Contactor being used**
#06.40 = On	**Enable Sequencer Latching**
#07.15 = Volt	**Analog 3 Input Configuration**
#08.22 = 0	**T25 Destination**
#08.23 = 0	**T26 Destination**
#08.24 = 0	**T27 Destination**
#08.26 = 0	**T29 Destination**
#09.04 = 17.06	**External Trip** Logic Function 1 Source 1
#09.05 = On	**Inverter** Logic Block 1 Configured
#09.09 = 0.1	**External Trip Delay** (in Seconds)
#09.10 = 10.32	**Logic Function 1 Destination**
#09.37 = 1	**AND Gate** Logic Block 1 Configuration
#17.21 = 6.39	**Stop Not** T1 Input
#17.22 = 6.34	**Run** T2 Input
#17.23 = 6.31	**Jog** T3 Input
#17.24 = 6.33	**Forward / Reverse** T4 Input
#17.25 = 10.33	**Drive Reset** T5 Input
#17.28 = 6.55	**Contactor Enable** Relay 2 Source

2) **SMARTCARD –** With the SMARTCARD that was shipped with the Quantum MP inserted, Set Parameter XX.00 to 6200 and then do a reset. After programming the drive with the defaults, **Save** the parameters to the drive.

3) **Using CTSoft –** All Quantum MP's have a built-in serial communication port that can be connected to a laptop using a customized cable with part number **CT- USB-Cable** or **CT-Comms-Cable.** Quantum MP factory files can be downloaded into the drive using our CTSoft available from our website for free at www.emersonct.com under Downloads/Software or simply click link below. (*Issue 1.13.00 of CTSoft or later should be used with the Quantum MP.)

The latest version of CTSoft can be downloaded from the link below.

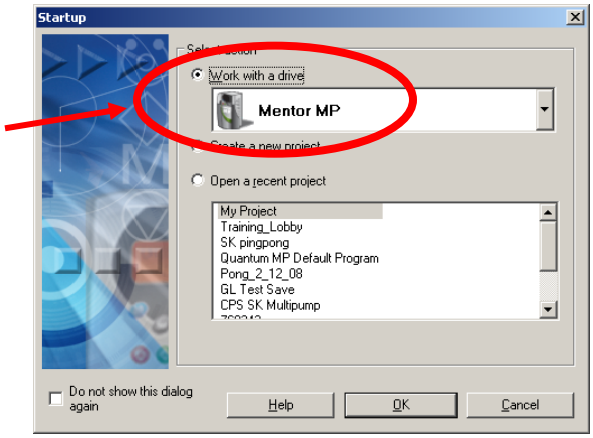
CTSoft

To obtain the Quantum MP Factory Default Parameter files, click on the following link:

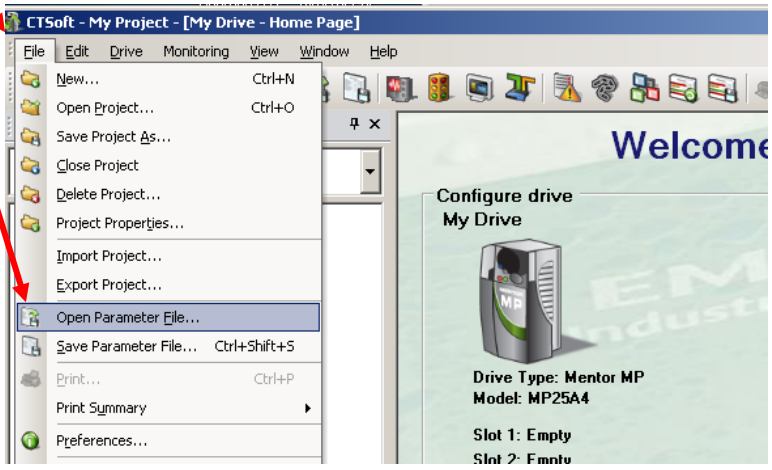
Quantum MP Factory Default File

Or via your web browser at:
http://www.emersonct.com/download_usa/software/QMPdefaults.par

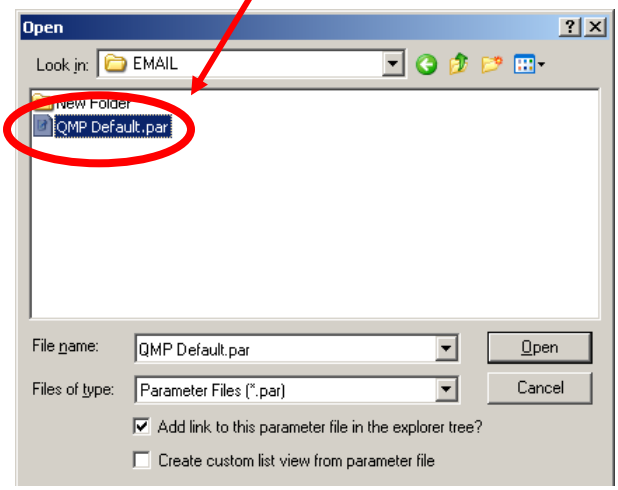
After downloading the Quantum MP Factory Default File to a known location and opening CTSoft, select "Work with a drive" and choose the Mentor MP.



Under **File** select **Open Parameter File…**

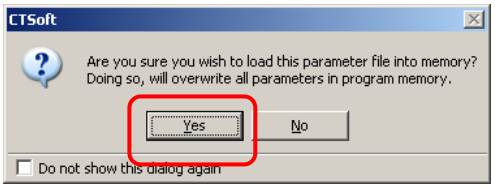


Select the **QMP Default.par** and **Open**

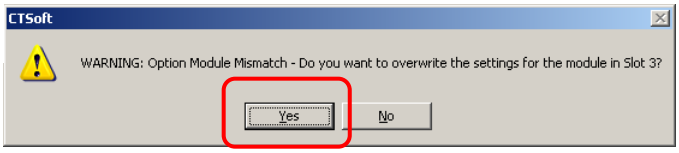


After opening the Quantum MP Default file, a few pop up messages will appear.

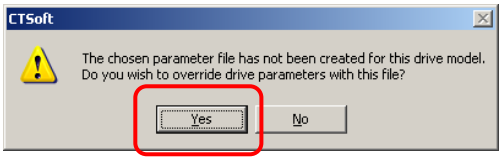
1)



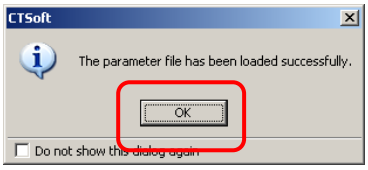
3)



2)

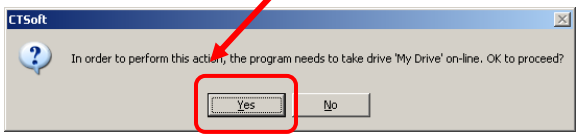


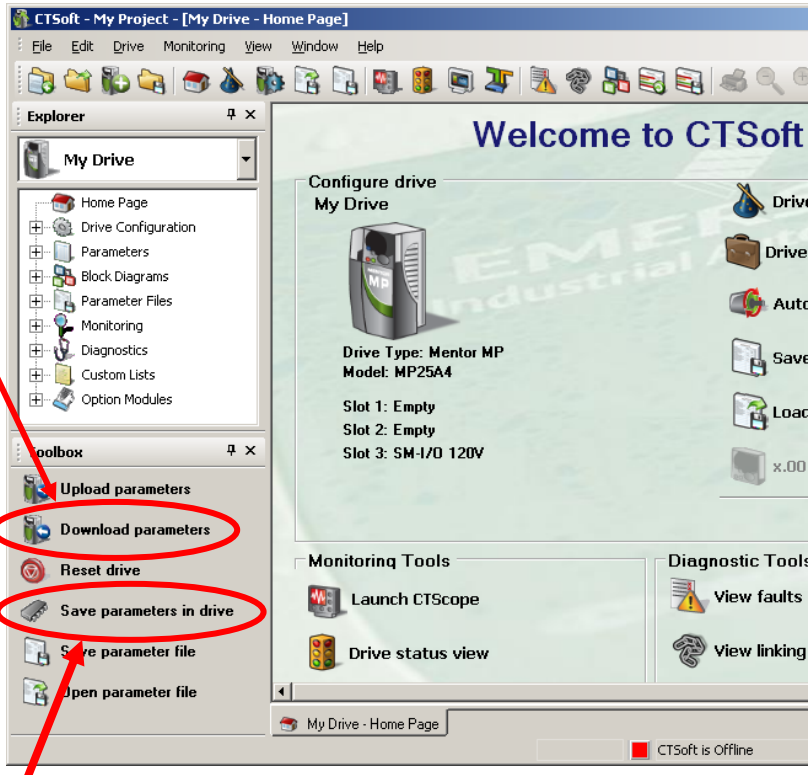
4)



When the normal startup screen appears select the option in the Toolbox **"Download Parameters"**

To download the program you will need to go on line… Select **Yes**





Finally, Select… **Save Parameters in Drive** parameter to the drive.

Questions ?? Ask the Author:

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