# MCT-10 Setup Software Tutorial

**xylem**

Let's Solve Water

**MCT-10 Software is available to Xylem customers for access to IPC and Technologic variable speed drives. To down load MCT 10 software please start by clicking the link below:**

http://drives.danfoss.us/services/software-downloads/

When you begin the installation on your PC, you will be prompted to enter a **CD Key and License Key**.

**CD key: 56926300(Xylem)**

**License Key: 12111111 (Xylem)**

MCT-10 makes complex programming schemes much simpler for the user. A USB cable can be connected to the drive and parameter settings changed via MCT-10 will be written to the drive on the fly. Alternatively, a "project" can be created within the software where the user can edit the parameter settings without being connected to the drive. A USB cable can later be connected to the drive and the program can be downloaded. Existing VFD programming can also be uploaded and saved as projects within MCT-10. In addition, the software contains wizards to help create "Smart Logic" programs, set up cascade systems and time based actions.

**CREATING A PROJECT AND ADDING A NEW PROJECT DRIVE**

• Open MCT-10

• Look in the upper left, right click "Project" and select "New/Drive" (you can also rename the project if you desire to)

• Name the project drives that you are creating (multiple drives can be added to a project)

• Fill out the remaining fields for the project drive that match those of the actual drive that will later be connected to (Series, Power Size, Configurable Options, Software Version, and Voltage) leave field-bus set to USB because this is how you will connect to the actual drive

• Hit the 'OK' button and the new project drive will now appear under the project

*See the images for examples*
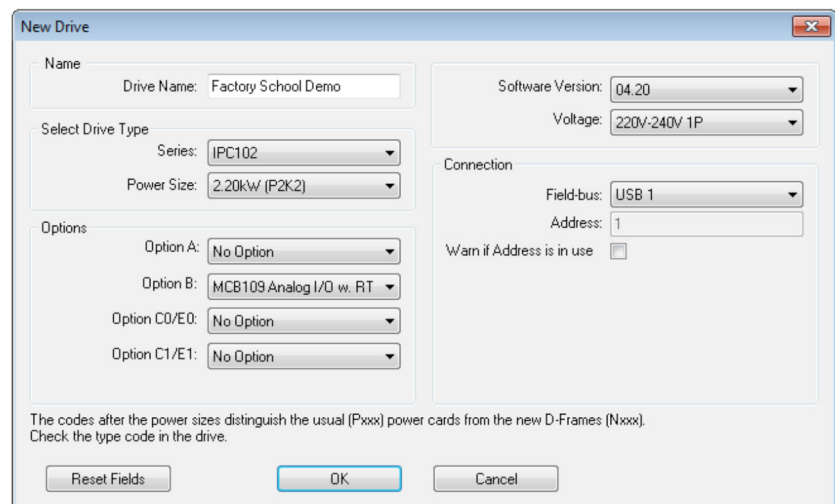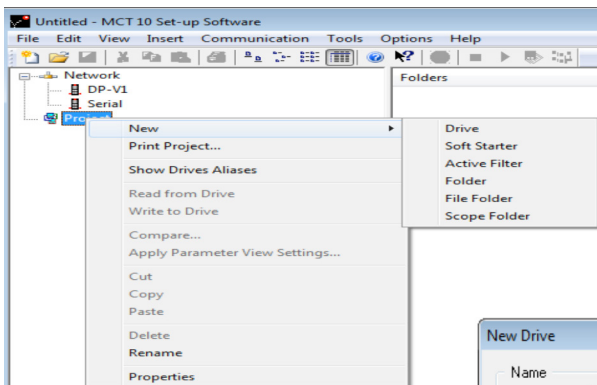
## CHANGING THE DRIVE PARAMETERS

Now that you have created a project drive, you can begin to manipulate the parameters. The project drive should have identical parameters to the actual drive you will connect to later if you entered the correct data when setting it up.

• Click the + next to the newly created project drive to expand the menu

• Click the + next to "All Parameters" to access the main menu parameters

• Click the + next to the main menu parameter group that you want to access

• Click the sub parameter group that the desired parameter resides in

• Double click the actual parameter of interest (under setup 1) and use the drop down menus to make your selection

• Click the OK button to accept the change

## SAVING & OPENING A PROJECT FILE (.SSP)

When you have finished editing the drive parameters you will need to save the project file. Click "File" from the tool bar at the top of the screen and then chooses "Save As" from the drop down menu. Name the file and click "Save" (it will be saved with a .SSP file extension). You can now close the program. Locate the .SSP file that you saved and open it. The project will reopen and the project drive will appear with the same parameter settings that you had programmed previously.

## WRITING TO A DRIVE

You can connect to the drive and either read to or write from a project file. After the project drive parameters have been set, follow the instructions listed below.

• Connect a USB cable between your drive and laptop **(battery power only)**

• Highlight the drive in the project that you want to work with

• Right click, select "Write to Drive" and wait until its finished

The connected drive will now have the same parameter settings as the project drive. You can also use MCT-10 to program a drive directly through the USB cable, without creating a project drive. To do this, connect your USB cable from the laptop to the VFD and wait until the software detects it. You will see "USB' appear under the network column. Click the + and you will see the connected drive which can now be programmed on the fly.

## READING FROM A DRIVE

Drives that were previously programmed and operating in the field can be backed up to a MCT-10 project file. To back up a working drives parameter settings to project file, follow the instructions listed below.
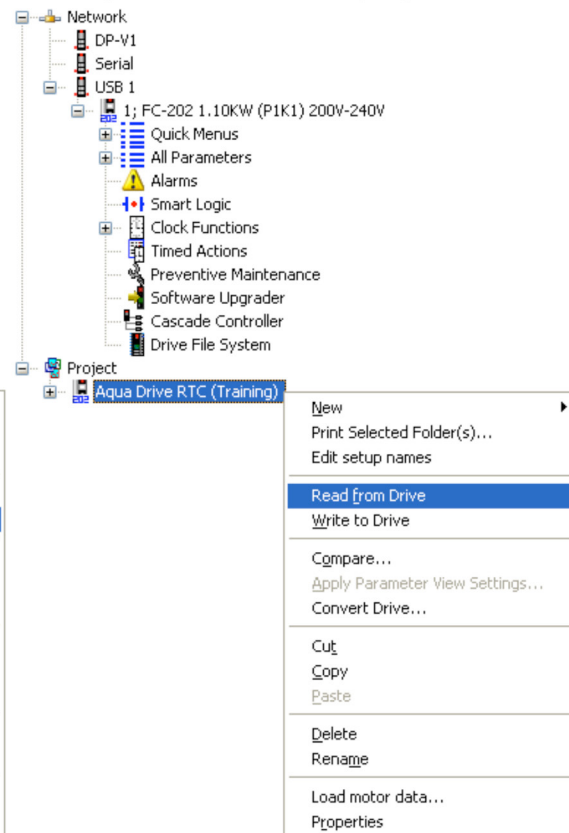
• Open MCT-10 and create a new project drive that matches the actual drive

• Highlight the project drive that has default settings

• Right click, select "Read from Drive" and wait until it's finished

The project drive will now have the same parameter settings as the actual drive. You can save the project to your laptop and the settings will now be securely stored.
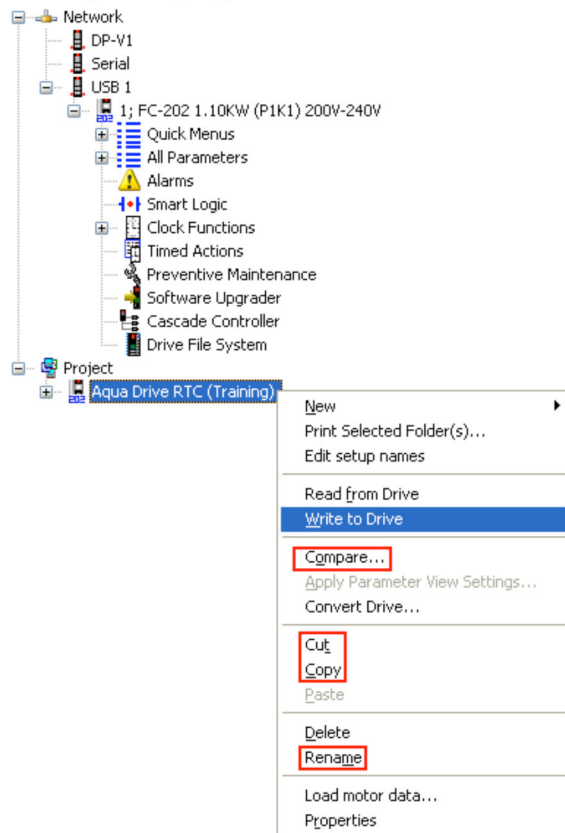


*This guide is just a basic introduction of MCT-10 setup software functionality, and there are many other features that have not been discussed. Take some time to explore the software and uncover some useful features on your own. Right clicking will often bring up other available options including comparisons, scope traces, copy and paste features and a whole lot more.*

**NOTES**

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# Xylem |ˈzīləm|

1) The tissue in plants that brings water upward from the roots;
2) a leading global water technology company.

We're a global team unified in a common purpose: creating innovative solutions to meet our world's water needs. Developing new technologies that will improve the way water is used, conserved, and re-used in the future is central to our work. We move, treat, analyze, and return water to the environment, and we help people use water efficiently, in their homes, buildings, factories and farms. In more than 150 countries, we have strong, long-standing relationships with customers who know us for our powerful combination of leading product brands and applications expertise, backed by a legacy of innovation.

**For more information on how Xylem can help you, go to www.xyleminc.com**

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Let's Solve Water

Xylem Inc.
2881 East Bayard Street Ext., Suite A
Seneca Falls, NY 13148
Phone: (800) 453-6777
Fax: (888) 322-5877
www.centripro.com / www.bellgossett.com