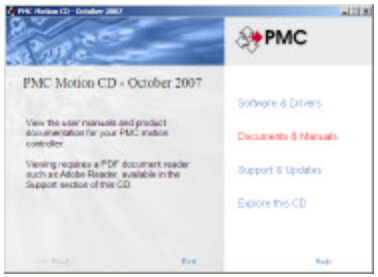
MultiFlex ETH 1000 Series - Quick Start Guide

Step 1 – Openthe MultiFlex ETH 1000 Series Motion Controller Installation Guide.

Insert the PMC Motion CD into a Windows computer. From the CD menu select:

Documents & Manuals\MultiFlex Product Family\MultiFlex ETH 1000 Series\Installation Guide



Step 2 – Install the Motion Control API and device driver.

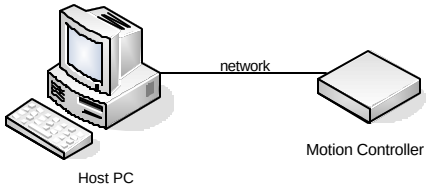
From the Motion CD, select:

Software & Drivers\MultiFlex Product Family\Windows API & Drivers

and install the Windows API and drivers applicable to your operating system.

Step 3 – Install the controller.

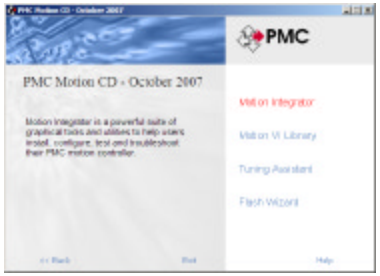
Follow the simple instructions in the **Multiflex ETH 1000 Series Motion Controller Installation Guide.** An external power supply and an Ethernet cable connected to the host PC is all that is required to complete this step.



Step 4 – (Windows Users) Install PMC's Motion Integrator program suite.

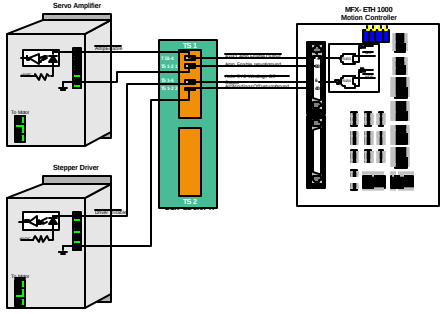
From the Motion CD, select:

Software & Drivers\MultiFlex Product Family\Windows Programs\Motion Integrator\Install Motion Integrator



Step 5 – Connect the controller to the external devices.

For details refer to **Chapter 5** (for wiring examples) and **Chapter 10** (pinouts, signal descriptions) of the **User's Manual**.



Step 6 – Verify the operation of the controller and external devices.

Windows Users: Launch and run the 'Motion System Setup' component of the Motion Integrator suite:

Start->Programs\Motion Control\Motion Integrator\Motion System Setup

Linux Users: Skip steps 7-9 and instead use the sample programs included with the Motion Control API to move and test your motors.

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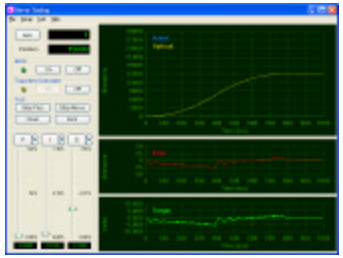
Step 7 – **Tune the axes.** (Closed-loop systems only). Launch the 'Servo Tuning' component of Motion Integrator:

Start->Programs\Motion Control\Motion Integrator\Servo Tuning

For details, refer to the Servo Tuning online help, and **Chapters 2 & 6** of the user manual.



Step 8 – **Move the axes**. From the Start menu, launch the 'Motor Mover' component of Motion Integrator:

Start->Programs\Motion Control\Motion Integrator\Motor Mover

Execute motion on one or more axes. For details refer to **Chapters 4 & 6** of the user manual

Step 9 – **Configure and test general purpose I/O**. Launch the 'Digital Configuration' and 'Analog Configuration' components of Motion Integrator to set up and test the I/O.

Start->Programs\Motion Control\Motion Integrator\Digital Configuration (or Analog Configuration)

Refer to **Chapter 8** of the user manual.

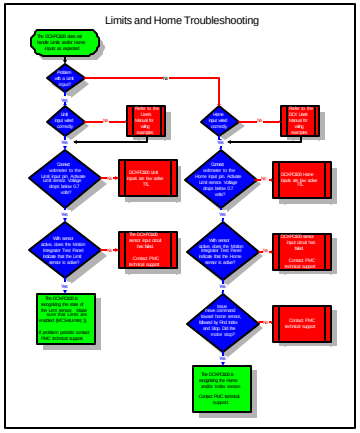
Step 10 – **Program the controller.**

The Motion Control API includes comprehensive function libraries (DLL's) for C/C++/C#/.NET, VisualBasic, and Delphi programmers. An on-board multi-tasking macro command language is another programming option.

Please refer to **Chapter 6** of the user manual for more details.

Step 11 – **Troubleshoot.**

Helpful troubleshooting flowcharts can be found in the Appendix of the user manual.



Step 12 – **Get product updates and technical support.** Download the latest software and firmware updates for your product from the Support section of PMC's web site at:

http://www.pmccorp.com/support/support.php

To get expert technical assistance directly from a PMC engineer please contact us anytime via email or telephone:

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