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 4 - (Windows Users) Install PMC's Motion Integrator program

suite. From the Motion CD, select:

Software & Drivers WultiFlex Product Family Windows Programs Wotion Integrator Install Motion Integrator



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 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.



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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.



$Step \ 6 - \text{Verify the operation of} \\ \text{the controller and external devices}.$

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

Start->ProgramsMotion ControlMotion 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.

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

Start->Programs Wotion 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 Wotion Control Motion Integrator Wotor Mover

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

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Step 11 - Troubleshoot.

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



$Step \ 9 - \text{Configure and test}$

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 ControlMotion Integrator\Digital Configuration (or Analog Configuration)

Refer to Chapter 8 of the user manual.



$Step \ 12-{\tt Get} \ {\tt product} \ {\tt updates}$

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:

Precision MicroControl Corp. Email: support@pmccorp.com Tel: +1-760-930-0101 Fax: +1-760-930-0222

