Title: Legacy ISA motion controller installation for Windows XP\2000\98
Products(s): DCX-PC100, DCX-AT200, DCX-AT300, DC2-PC
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Summary
Prior to Motion Control Application Programming Interface (MCAPI) version 3.3.0 a proprietary Control Panel applet was used to configure the device driver for the motion controller type. Beginning with MCAPI 3.3.0 all legacy ISA controllers are handled as pseudo 'plug and play' devices and the device driver is now configured using the Control Panel Add/Remove Hardware wizard.

The installation procedure described below supercedes the description in the motion controller user manual. The user manual description for installation and configuration was based on MCAPI 3.2.1 or lower.

New installation
With the controller not yet installed in the computer, power up the PC and install MCAPI 3.3.0 or higher (following the on screen instructions). Upon successful installation of the MCAPI:

1) XP - Launch the Control Panel Add Hardware wizard, select Next 2000 - Launch the Control Panel Add/Remove Hardware wizard, select Next 98 - Launch the Control Panel Add New Hardware wizard, select Next, Next
2) XP - Select Yes I have already connected the hardware and Next 2000 - Select Add/Troubleshoot device and Next 98 - Select No I want to select the hardware from a list and Next
3) XP|2000 - A menu of standard devices will be displayed, select Add a new device and Next 98 - Select Other devices and Next
4) XP - Select Install the hardware that I manually select from a list and Next 2000 - Select No, I want to select hardware from a list and Next
5) XP - Select Show all devices and Next 2000 - Select Other devices and Next
6) XP|2000|98 - From the list of manufacturers select Precision MicroControl Corp. and select the appropriate motion controller from the Models list. Click on Next.
7) By default Windows will use memory address (000D0000 - 000D0FFF) to configure the driver. Select Next
8) To complete driver configuration select Finish. Shutdown the computer and install the motion controller into an available slot.
Migrating existing application to MCAPI 3.3.0 or higher
Prior to upgrading the MCAPI you must first:
  A) Remove the controller from the proprietary Motion Control Panel applet
  B) Uninstall the MCAPI using the Control Panel Add/Remove Programs applet
  C) Shutdown the computer and remove the motion controller from the computer

At this point the machine is clean and you can proceed with the New installation procedure as described by steps 1 - 8 above.

Multiple motion controller applications
By default the memory address range of an ISA motion controller will be set to D0000 - D0FFF. For applications that use more than one legacy ISA motion controller, after configuring the windows device driver (described in steps 1 - 8 above), the user will have to manually set the memory range of each controller to be installed. From the Windows Device Manager select an ISA motion controller and then select the Resources tab. Use the list box controls to select a valid memory address range.

The memory address range of an ISA DCX motion controller is defined by the setting of the Memory Address Rotary Switch. For additional information please refer to the motion controller’s user manual.