

ADICLib256R5 Software API & ADIC LMAC PCX Controller Sample Application Setup Instructions

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Step 1 – Removal of Virtual COMM port drivers (if installed):

If the FTDI USB to Serial Converter drivers have previously been installed on the target computer, they must be removed prior to installing the FTDI native USB drivers, ADICLib256R4 Software API and/or sample application.

- a) Open the Windows Control Panel and choose “Add/Remove Software”.
- b) Find the line item that says “FTDI USB-to-Serial Converter Driver” for Win98 machines, or the line item “FTDI USB Serial Converter Driver” for Win2000/XP machines and choose “Remove”.

Step 2 – Installation of FTDI native USB drivers:

- a) With the computer on and the USB cable from the Mux Controller Board disconnected from the computer, apply power to the controller board then plug the USB cable into the computer.
- b) The “Found New Hardware” wizard will pop up, click the “Next/Continue” to search for new drivers.
- c) Choose “Specify Location” and browse to the “FTD2XX Drivers” directory on the installation media and click on the ftd2xx.inf file.
- d) Click “Next” or “Continue” till the final page, then click “Finish” to finish the hardware driver installation, there will now be an entry under the “Universal Serial Bus Controllers” heading in the Windows Device Manager as “ADIC Linear Array Controller R4”.

Step 3 – ADICLib256R5 Software API Installation:

- a) In the “ADICLib256R5Software API” directory on the installation media, run the Setup.Exe program.
- b) Choose a location for install or leave the default location as is. For Win2K/XP in the bottom left of the install dialog box, choose install for Everyone or Just Me (Everyone is recommended).
- c) Follow the prompts till the end to complete the ADICLib256 Software API installation.
- d) A new program group will be created off the Windows Start menu titled “ADICLib256R5 Software API”, in it will be a link to the API programming help file which lists all the API functions available. For C/C++ and Visual

BASIC programming, appropriate programming header files are installed in the API install directory.

Step 4 – ADIC LMAC PCX Sample Application Install:

A sample front end application program written in Visual BASIC which uses the ADICLib_256R5.DLL to interface to the Mux Controller Board is provided in the “ADIC LMAC PCX Controller Application” directory on the installation media. To install the sample application:

- a) In the “ADIC LMAC PCX Controller Application” directory on the installation media, run the Setup.Exe program.
- b) Choose the location for install or leave as is to use the default installation location
- c) Click the big button in the upper left of the dialog box to install.
- d) In the next dialog box, choose a program group to install into or leave the entry as is to install to the new default program group.
- e) Click “OK” to continue/finish.

To run the sample application, make sure that a Mux Controller Board is plugged into the computer and powered up, then off the start menu go to the “ADIC LMAC PCX Controller Application” program group and choose the entry “ADIC LMAC PCX Controller Application” to launch the application.

All major function user accessible routines within the ADICLib_256R5.DLL library are implemented in the sample application.