

Setting Up the MPLAB® PM3 Programmer

1 SOFTWARE INSTALLATION

To use MPLAB PM3 Device Programmer with a PC running Windows®, install the MPLAB IDE software, v6.41 or greater. (Check the web site for the latest version at: www.microchip.com/devtools.)

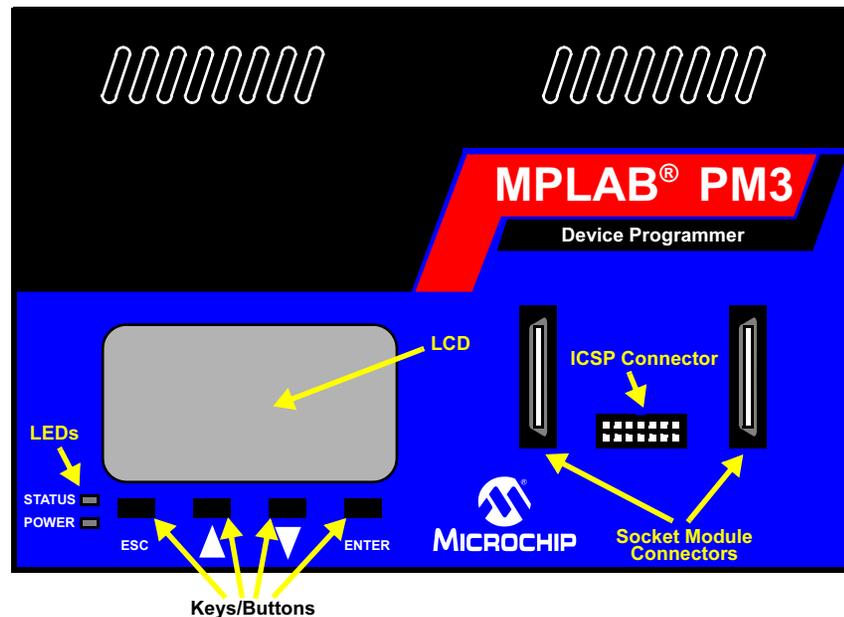
1. Insert the MPLAB IDE CD-ROM into the CD-ROM drive (Example: drive D) or download the software from the web site if newer.
2. Follow the on-screen instructions to install the MPLAB IDE software. Do not run the MPLAB IDE program yet.

2 USB DRIVER INSTALLATION

For USB only. When using RS-232 communications, proceed to Step 3.

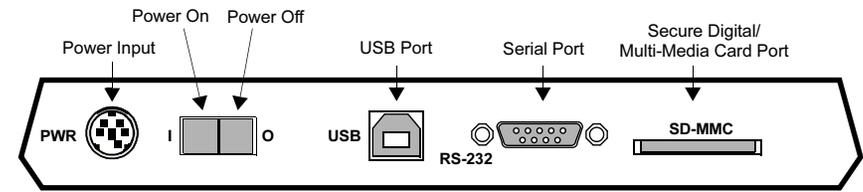
IMPORTANT: Do not allow the Windows OS to pick a USB driver; it will not work and you will then not be able to install the proper driver without reinstalling the OS. Follow the procedure specified here for correct USB driver setup.

Follow the USB driver installation instructions that pop up at the end of MPLAB IDE installation. These instructions are also in the MPLAB IDE installation directory under `Driversnn/pm3_usb/ddpm3nn.htm`, where nn is the Windows OS version.



3 HARDWARE SETUP

1. **For USB Communication:** Connect one end of the USB cable to a USB port on the PC. Connect the cable from the PC USB port to the corresponding USB connector on the back of the MPLAB PM3 Programmer.
For RS-232 Communication: Connect one end of the RS-232 cable to a COM port on the PC. Check the PC setup to see which communications port is available. Connect the cable from the PC COM port to the corresponding RS-232 connector on the back of the MPLAB PM3 Programmer.
2. Make sure the power switch on the MPLAB PM3 is in the "O" (off) position. Connect the power cord to the power supply, connect the power supply to the MPLAB PM3, and turn the power switch to "I" (on) to apply power.



4 SOFTWARE SETUP

1. Launch MPLAB IDE. For RS-232 Communication only: Set the COM port FIFO buffers "Off" and the Flow Control to "Hardware". Refer to [Help>Topics>MPLAB PM3](#) for on-line help. Select [Troubleshooting>Common Problems>Advanced Serial Communications Help>Setting up the port manually](#) for instructions for your operating system.
2. From the MPLAB IDE menu, select [Configure>Select Device](#). In this dialog, choose the device you want to program and click **OK**.
3. Select [Programmer>Select Programmer>MPLAB PM3](#). Once MPLAB PM3 is selected, additional programmer options appear on the Programmer menu.
4. Select [Programmer>Settings](#) and click on the **Communications** tab. Select the appropriate port for RS-232 (COM 1-4) or USB.
5. Select [Programmer>Enable Programmer](#) to begin using the MPLAB PM3. Select [Help>Topics>MPLAB PM3](#) to view on-line help for the programmer, including electrical specifications, socket module installation, ICSP™ pinouts, programming a device, etc. Select [Help>Topics>MPLAB IDE](#) to view on-line help on creating projects and debugging code.

