Release Notes for MPLAB® Code Configurator DAC Library v2.0.1

1 What is MPLAB Code Configurator DAC library

The DAC (Digital to Analog Converter) library for Microchip's MPLAB® X allows for quick and easy C code generation for Microchip's Digital to Analog converters. The library module uses a Graphical User Interface (GUI) to accomplish configure the DAC settings and generate the necessary C code to program onto a PIC microcontroller.

2 System Requirements

Software Requirements for v2.0.x:
- MPLAB® X IDE 5.50 or later
- XC8 compiler v2.31 or later
- XC16 compiler v1.61 or later
- MCC Version 5.0.3 or later

Software Requirements for v1.00:
- MPLAB® X IDE 3.50 or later
- XC8 compiler v1.37 or later
- MCC Version 3.25

AVR® 8 bit Families requirements:
- 1 I2CSIMPLE module configured as TWI Host

PIC® 8 bit Families requirements:
- 1 I2CSIMPLE module configured as MSSP or I2C Host

PIC® 16 bit Families requirements:
- 1 I2C module configured as Host

3 Documentation Support

MCP47FEBXX Data Sheet

4 Installing MPLAB® Code Configurator dacLibrary_v2.0.1

Basic steps for installing MPLAB® Code Configurator needs to be installed as below.

To install the MPLAB® Code Configurator V5.0.3 Plugin:

1. In the MPLAB® X IDE, select **Plugins** from the Tools menu
2. Select the **Available Plugins** tab
3. Check the box for the MPLAB® Code Configurator v5.0.3, and click on **Install**

To install dacLibrary_v2.0.1

1. Download **dacLibrary_v2.0.1.jar** from microchip website.
2. In MPLAB X IDE click on **Tools → Options**
3. Click on **Plugins** tab
4. Click on **Install Library**
5. Browse to the location of the DAC Library Plug-in, select it and click **Open**

5 What's New

- V2.0.1
    - Compatible with MCC Core v5.3.3
    - Added support for I2C modules compatible with Foundation Services library for 8 bit families
- V2.0.0
    - Compatible with MCC Core v4.0.2
    - Removed I2C Classic modules support for PIC® 8 bit families
    - Added support for Foundation Services I2C Methods
    - Added support for AVR® 8 bit and PIC® 16 bit families
    - Firmware updates:
        - Re-factored the I2C related code for easier integration with various platforms.
        - Methods contain a new parameter dedicated for the configuration of the serial communication.
- V1.00
    - Initial release with support for MCP47FEBxx family

6 Known Issues

Limitations:
- This library version works with any 8 bit PIC or AVR and 16 bit PIC supported by MCC which has a I2C peripheral, however thorough tests have only been performed with a PIC16F1719, PIC24FJ128GB204 and ATmega4809

7 Frequently Asked Questions

For frequently asked questions, please refer to the FAQ post on the MCC Forum (http://www.microchip.com/forums/f293.aspx)

8 Supported Families

8.1 DAC devices
- MCP47FEBxx family

8.2 8 bit Families
- PIC12
- PIC16
- PIC18
- ATmega
- AVR
- ATtiny

8.3 16 bit Families
- PIC24
- dsPIC

9 Customer Support

9.1 The Microchip Web Site
Microchip provides online support via our web site at http://www.microchip.com. This web site is used as a means to make files and information easily available to customers. Accessible by using your favorite Internet browser, the web site contains the following information:

- Product Support – Data sheets and errata, application notes and sample programs, design resources, user's guides and hardware support documents, latest software releases and archived software
- General Technical Support – Frequently Asked Questions (FAQs), technical support requests, online discussion groups/forums (http://forum.microchip.com), Microchip consultant program member listing
- Business of Microchip – Product selector and ordering guides, latest Microchip press releases, listing of seminars and events, listings of Microchip sales offices, distributors and factory representatives

9.2 Additional Support
Users of Microchip products can receive assistance through several channels:

- Distributor or Representative
- Local Sales Office
- Field Application Engineering (FAE)
- Technical Support

Customers should contact their distributor, representative or field application engineer (FAE) for support. Local sales offices are also available to help customers. A listing of sales offices and locations is available on our web site.

Technical support is available through the web site at: http://support.microchip.com