

MPLABXpress.microchip.com



MPLAB® Xpress Cloud Based Development Platform

The easiest way to get started with PIC[®] MCUs...

Industry's most comprehensive online development platform includes

- Most popular features of the award winning MPLAB X IDE
- MPLAB Code Configurator 3.0 GUI based code generation, not available on any other cloud based tool
- Library of Microchip-validated code examples to get you started
- Integrated MPLAB XC compilers
- MPLAB Xpress Community enables developers to share code, design ideas, and knowledge
- Support for Microchip's most popular hardware tools PICkit[™] 3 and Curiosity Development Board

Free MPLAB Xpress Evaluation Board... Limited Quantities Available <u>MPLABXpress.microchip.com</u>



MPLAB® Xpress Getting Started

Get started in 3 easy steps with <u>Test Drive</u> mode

- 1. Access Microchip validated Code Examples (no sign-in)
- **2.** Edit your code; simulate, and compile...
- 3. Program the MPLAB Xpress Evaluation Board





MPLAB® Xpress Additional Features with Free Account

Login with your FREE <u>myMicrochip</u> account, and

- Set up your MCU with MPLAB Code Configurator
- **Debug** with additional hardware tools
- **Get** 10GB of secure online storage
- **Save** your code in the cloud and access it anywhere
- **Participate** in the MPLAB Xpress Community



MPLABXpress.microchip.com



MPLAB[®] Code Configurator Get Started Quickly with MCC version 3.0

Generate code in MPLAB Xpress with a few clicks

- Intuitive Interface for Quick Start Development
- Automated Configuration of Peripherals & Functions
 - Minimized reliance upon product datasheet
 - Reduces overall design effort & time
- Advanced data logging for quick issue resolution
- From Novice to Expert...
 - Accelerates development of production ready code



Microchip.com/MCC

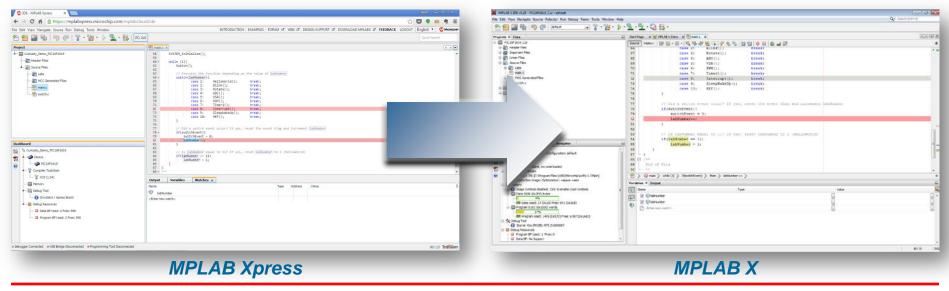


Easy Migration to MPLAB[®] X

Enjoy <u>full</u> project compatibility with MPLAB X

Advanced development features in MPLAB X include:

- Code templates for fast editing of common code frameworks
- Advanced debugging features
- Ability to track code change history
- Command line tools for programming and debugging





Code Examples

Download Microchip-validated code examples

- Function-oriented firmware for latest PIC[®] Microcontrollers
 - Analog setup, memory management, interrupt control
- Core Independent Peripheral Examples
 - Configurable Logic Cell, Complementary Waveform Generator, PWM, Angular Timer, and more...
- Tested and certified by Microchip

Title	Author	Rating	Imports	Tags	Board	Device	Open	T
×	0	×	×	0	0	×		6
Ferm	0 00 0 00	From	From	AC Induction Motors ADC ADC	Curiosity Not Selected Simplicity	Term		
		То	То					
8x8 LED - Xpress	2		1	EUSART, LED, SPI	Simplicity	PIC16F18855	Open	
OLED-Xpress	2		0	EUSART, Graphi	Simplicity	PIC16F18855	<u>Open</u>	
Hello World - Xpress	2		1	EUSART	Simplicity	PIC16F18855	<u>Open</u>	
LED on-off using pushbutton	2		10		Simplicity	PIC10F18855	<u>Open</u>	
Breathing LED for Xpress	0		18		Simplicity	PIC16F18855	Open	





MPLAB® XC Compilers

Access FREE MPLAB XC compilers

- Use the latest compiler version or select from the archive
 - MPLAB Xpress archives up to 10 revisions
- Preview PRO code optimizations
 - Automatically compares code sizes between Free and PRO
 - MPLAB XC PRO available via monthly subscription
- XC8 compiler available now
 - XC16 and XC32 support planned for mid 2016





User Community

Join the MPLAB® Xpress User Community

<u>Share</u> projects using the "Examples" section <u>Search</u> by Contributor, Application, Function, Device, Hardware <u>Discuss</u> ideas on the MPLAB Xpress Forum <u>Learn</u> how to optimize designs on the MPLAB Xpress Wiki

MICROCHIP MPI				B XPRESS	· · · · · · · · · · · · · · · · · · ·	A jeveliman O User Control Panel 19 Log out	Microciup	Developer Help			
2. MICHGENIE						MICLIM	A AFRESS	Міскоснір	Q. Enter Smeth Pirgue	Міскоснір	The sight information, sight now
TRODUCTION EXAMPLES IDE	FORU	M W		IGN SUPPORT D	OWNLOAD MPLA	ABX myMicrochip	Login English *	Forums Posts PHs () Page Extras	of Menu		Home Microchip Holp Technical Training What's New? About Us
IPLAB Xpress Code	Exam	ples						Home + All Forums + [Development Toda] + MPLAB X IDE		Here Site spatial 11 days ago 1112 active pages From ET training	Editor Home + MPLAGE X DD + Celter
Tate	Author	Rating	Imports	s Tags	Board	Device	Open T	Post New Thread	storum + Mail Forum Read + Q. Search Res Torum	DLive Critice Training Calendar Development (DOLS	Editor Usage
	0			0	0	۲	0			Contacter Tools	The following items are associated with the Eilfor: • File Neru to coon a file in an Editor window.
*	_			C AC Induction Motors C ADC C ADC	Currently	Term				Get Started Nove	Edit Monito Index del commando Edit Monito Index del traditatione e e e e e e e e e e e e e e e e e e
Simple Curtosity for Arduino Code	•		20		Curiosity	PIC16F1615	Qpen	Page. 2 3 4 5 > >> • Showing page 1 of 12		Migration from MPLAB IDE VX Configuration	Features
Test of APress	•		5		Curlosity	PIC15LF1705	Open	Tell Version	Last Dodate + Replan + Veren	Plug-m User interface	Live Parsing
pauls, example			5	AC induction Mote .	Currosity	PIC16F1619	Open	Division Uniques - 1214 Veas		Projekta Files	MPLAB continuoualy parses code as you type, allowing it to highlight entrin as they occur. Because many in tedious compale-conect cycle one usually has to go through will be dramatically diminished in its duration.
simpleCurinsity_11042015	•	5	18		Curiceity	PIC16F1619	Qpeo	Last Update Monday, November 09, 2015 4:30 AM+ DevMost	Contract of the local division of the local	Sar Editor	Refactoring
simplyComplicated_11042015_b		5			Curiosity	P1C16F1619	Step	OSX 10.11 El Capitan and MPLAB X IDE v3.10 or earlier		Editor Interface and Stortcure	MPLAB's indictoring tools simplify the task of restructuring code without changing its function. For example an identifier, reflactoring may be used as an alternative to the error process of using search and replace
simpleComplicated_11042015	•		2		Curiosity	PIC16F1619	Ωpen	Lat Update Finlay, October 09, 2015 11 49 AM - XDeverator	feed Earlier	Basic Tasks Appearance	an darbine, infactoring may be used as an attenditive to the error process of using search and replac aware, it is able to find and correctly update all instances of the item immediately. [Nervi: Refactor •]
ComplicatedSimple	•		4		Curiosity	PIC16F1619	Queen	Additional Resources and Known Issues		Dynamic Feedback	Code Assistance
DALI Control Device	•		0		Not Selected	PIC16P1947	Steet	Acte Diaz: 0 Replete + 42014 Vents	Card Sama	Search, Replace, and Refactor	As you type your code, the editor will provide lists of possible completions with the most common or most li is triggered by typing the first letters of a CarvelCase word
E11V Evaluation Platform Demo	•		2	ADC Intempts L	Not Selected	FIC194F1947	Ωοεο	Last Update Tuesday, Pebruary 34, 2015 3:82 PM+ Jose Diaz		Mindow Management	Go to File, Go to Type, Go to Symbol
DMX Controller			2	Communications,	Not Selected	PIC16F1947	Quee	B Running MPLAB X v3.10 with JRE8	· · · · · · · · · · · · · · · · · · ·	Keyboard Shortcuts Debugging	MPLAB makes it way to navigate to files, types, or symbols with quick keyboard abortcuts or to jump to de Typing file or type names into Ge To dialogs will perform a case sensitive search across all open projects. [
purget & 2015 Microchip Technology Inc. All		wes I Con	actus IPY	acc Poles			WebSIM	Last Update: Thursday, November 05, 2015 6,50 AM+ doklarbin		Winsion Control Automation	Insert Code



MPLAB® Xpress Evaluation Board

Start your design with exclusive hardware

- Simple USB programming interface
 - Plug and play, driver free
 - Windows, Mac OS[®] and Unix[®]
- Featuring the PIC16F18855 MCU
 - New, advanced low power modes
 - New Core Independent Peripherals
 - Simple setup with MPLAB Code Configurator
- On-board MikroBUS header
 - Leverage more than180+ MikroElektronika Click[™] boards

Free Evaluation Board – For the first 2000 customers to register at MPLABXpress.microchip.com ,

after which will be chargeable via microchipDIRECT



MPLAB® Xpress Evaluation Board



Development Hardware for MPLAB® Xpress

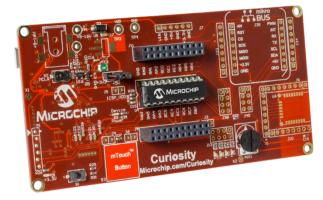
Use our most popular development tools

Curiosity Development Board

- Fully integrated 8-bit development board
 - Integrated programmer/debugger
 - On-board MikroBUS header
 - RN4020 Bluetooth module footprint
- **DM164137 -** \$20.00

PICkit[™] 3 Programmer/Debugger

- Our most popular development tool
- Program and debug entire 8-bit PIC[®] MCU portfolio
- **PG164130 -** \$47.95



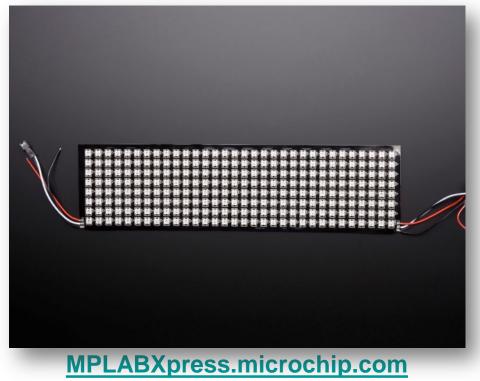




MPLAB® Xpress Adafruit LED Array Demo

Configure an 8x32 LED array from the cloud

• Core Independent Peripherals on PIC16F18855 MCU enable code-free implementation





MPLAB® Xpress Cloud Based Development Platform

Get started NOW with PIC[®] MCUs

- Go to https://mplabxpress.microchip.com
- 1. Access Microchip validated Code Examples (no sign-in)
- **2.** Edit your code; simulate, and compile...
- **3. Program** the MPLAB Xpress Evaluation Board

Experience the industry's most comprehensive cloud based development environment



Thank You

Note: The Microchip name and logo, dsPIC, and MPLAB are registered trademarks of Microchip Technology Inc. in the U.S.A., and other countries. Mac OS[®] is a registered trademark of Apple Computer, Inc. and UNIX is a registered trademark of The Open Group All other trademarks mentioned herein are property of their respective companies.