

MPLAB Starter Kit for PIC24F

Part Number: DM240011



The PIC24F Starter Kit contains everything needed to begin exploring the high performance and versatility of the PIC24F microcontroller family. This inexpensive kit includes an integrated in-circuit debugger and programmer, USB device and host connectors, tri color LED, capacitive touch pad and an OLED display. Menu driven demonstration software supports data logging, thumb drive, and graphics applications to test the PIC24F MCU.

The PIC24F Starter Kit includes integrated hardware debug and programmer circuitry to develop, program and test applications on the board's PIC24F MCU device --all from the MPLAB graphical development environment. A USB connection to a host computer supplies communications and power to the board --no additional external power supply is needed.

The kit comes with pre-installed demo application software. Just install MPLAB IDE, connect the USB cable to the board and PC and you are ready to go!

Features:

- Easy and inexpensive way to learn the PIC24F 16-bit MCU family
- Starter kit features the PIC24FJ256GB110 MCU with 256KB Flash
- Peripherals including CTMU for capacitive touch and USB OTG
- Integrated debugger
- Free MPLAB C Compiler

Demos included:

- Interactive, menu driven display using Parallel Master Port (PMP)
- Capacitive touch sensing with the Charge Time Measurement Unit (CTMU)
- Time and data display using the Real Time Clock and Calendar (RTCC)
- RGB LED Control with three PWMs and Peripheral Pin Select (PPS)
- USB Flash drive interface with USB embedded host peripheral
- Real-time data graphing using the ADC and display multi-tasking
- Real-time data capture using multi-tasking with USB embedded host

Package Contents

- PIC24F board with integrated debugger
- MPLAB Starter Kit CD containing MPLAB IDE, MPLAB C Compiler for PIC24 MCUs, application notes, and sample programs
- USB cable

Procedure to install **MPLAB Starter Kit for the PIC24F Demo Application 1.1** (below)

- Install the CD that is shipped with the kit. The starter kit can be used only with the special MPLAB IDE version installed from the CD.
- This update also requires MPLAB C30 v3.10b or later. The latest Student Version of MPLAB C30, and upgrades to the full version of MPLAB C30, are available for download [HERE](#)
- Download and install the **MPLAB Starter Kit for the PIC24F Demo Application 1.1** (below)