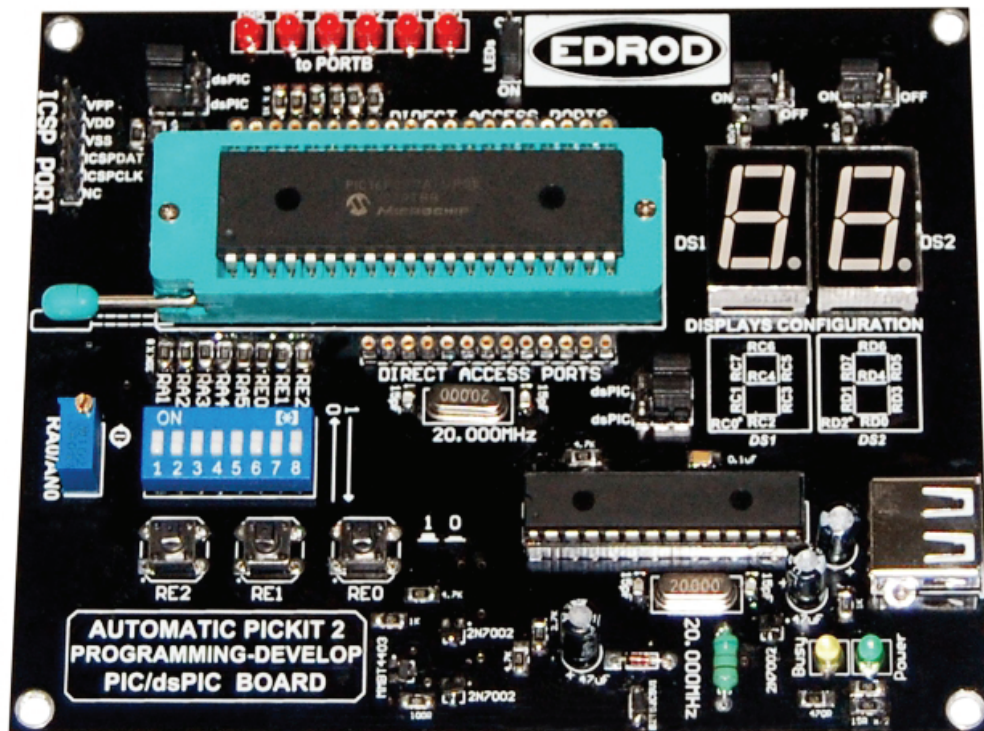




## "Programmer / Simulator USB PIC"



## Description:

It is a programmer and simulator real through USB port, PIC and dsPIC microcontrollers fully compatible with PICkit 2 and MPLab softwares MICROCHIP prestigious company. It is fully designed for individuals and / or students who want to start or learn quickly and easily into the fascinating world of microcontroller programming, but also for those advanced users who need a tool to program and simulate quickly and without complications all with a single device. This device allows programming of a wide range of PIC microcontrollers from 8-bit microcontrollers to processors PIC / dsPIC signals, but also this programmer integrates a simulator for Microchip PIC / dsPIC 40-pin, where you can see the execution real-time program in the PIC at major ports via LEDs and displays that are connected to these ports.

## Characteristics:

1. Fully compatible with the PICkit2 and MICROCHIP MPLAB software.
2. It does not require external power supply.
3. USB Port Protection against short circuits in the Board.
4. Ideal for experimentation at low cost of a product in the design phase.
5. Supports most Microchip PIC microcontrollers.
6. It comes with integrated PIC and dsPIC 40-pin actual simulator.
7. Automatic start or manual simulation ends immediately PIC programming, this software controlled.
8. Very friendly students and novices in the area of programming PIC.
9. Ideal for hobbyists and fans of digital electronics and programming.
10. Programming and simulation in one device, both functions require no hardware changes to implement it.
11. High speed USB device compatible with Windows XP or higher.



## Use / Applications:

Programming PIC and dsPIC microcontrollers via ICSP, simulation and programming microcontroller PIC / dsPIC 40-pin.

## Dimensions:

12.4cm (Length) x 10cm (Width).

## List of supported microcontrollers:

\* PICs that can be programmed (using the ICSP port):

### Basic Series

PIC10F200 • PIC10F202 • PIC10F204 • PIC10F206 • PIC10F220 • PIC10F222 • PIC12F508 • PIC12F509  
PIC12F510 • PIC16F505 • PIC16F506

### Media Series

PIC12F609 • PIC12HV609 • PIC12F615 • PIC16HV615 • PIC12F629 • PIC12F635 • PIC12F675 • PIC12F683  
PIC16F610 • PIC16HV610 • PIC16F616 • PIC16HV616 • PIC16F627A • PIC16F628A • PIC16F648A • PIC16LF627A  
PIC16LF628A • PIC16LF648A • PIC16F630 • PIC16F631 • PIC16F636 • PIC16F639 • PIC16F676 • PIC16F677  
PIC16F684 • PIC16F685 • PIC16F687 • PIC16F688 • PIC16F689 • PIC16F690 • PIC16F722 • PIC16F723 • PIC16F724  
PIC16F726 • PIC16F727 • PIC16F716 • PIC16F737 • PIC16F747 • PIC16F767 • PIC16F777 • PIC16LF737 • PIC16LF87  
PIC16LF747 • PIC16LF767 • PIC16LF777 • PIC16F785 • PIC16HV785 • PIC16F87 • PIC16F88 • PIC16LF88 • PIC16F818  
PIC16F819 • PIC16LF818 • PIC16LF819 • PIC16F870 • PIC16F871 • PIC16F872 • PIC16LF870 • PIC16LF871  
PIC16LF872 • PIC16F873 • PIC16F874 • PIC16F876 • PIC16F877 • PIC16F873A • PIC16F874A • PIC16F876A  
PIC16F877A • PIC16LF873 • PIC16LF874 • PIC16LF876 • PIC16LF877 • PIC16LF873A • PIC16LF874A • PIC16LF876A  
PIC16LF877A • PIC16F882 • PIC16F883 • PIC16F884 • PIC16F886 • PIC16F887 • PIC16F913 • PIC16F914 • PIC16F916  
PIC16F917 • PIC16F946



## Advanced Series (PIC18F)

PIC18F242 • PIC18F252 • PIC18F442 • PIC18F452 • PIC18LF242 • PIC18LF252 • PIC18LF442 • PIC18LF452  
PIC18F248 • PIC18F258 • PIC18F448 • PIC18F458 • PIC18LF248 • PIC18LF258 • PIC18LF448 • PIC18LF458  
PIC18F1220 • PIC18F1320 • PIC18F2220 • PIC18F2320 • PIC18LF1220 • PIC18FL1320 • PIC18LF2220  
PIC18LF2320 • PIC18F1230 • PIC18F1330 • PIC18LF1230 • PIC18LF1330 • PIC18F2221 • PIC18F2321  
PIC18LF2221 • PIC18LF2321 • PIC18F2331 • PIC18F2410 • PIC18F2420 • PIC18F2431 • PIC18LF2331  
PIC18LF2410 • PIC18LF2420 • PIC18LF2431 • PIC18F2423 • PIC18LF2423 • PIC18F2450 • PIC18LF2450  
PIC18F2455 • PIC18LF2455 • PIC18F2458 • PIC18LF2458 • PIC18F2480 • PIC18LF2480 • PIC18F2510  
PIC18LF2510 • PIC18F2515 • PIC18LF2515 • PIC18F2520 • PIC18LF2520 • PIC18F2523 • PIC18LF252  
PIC18F2525 • PIC18LF2525 • PIC18F2550 • PIC18LF2550 • PIC18F2553 • PIC18LF2553 • PIC18F2580  
PIC18LF2580 • PIC18F2585 • PIC18LF2585 • PIC18F2610 • PIC18LF2610 • PIC18F2620 • PIC18LF2620  
PIC18F2680 • PIC18LF2680 • PIC18F2682 • PIC18LF2682 • PIC18F2685 • PIC18LF2685 • PIC18F4220  
PIC18LF4220 • PIC18F4221 • PIC18LF4221 • PIC18F4320 • PIC18LF4320 • PIC18F4321 • PIC18LF4321  
PIC18F4331 • PIC18LF4331 • PIC18F4410 • PIC18LF4410 • PIC18F4420 • PIC18LF4420 • PIC18F4423  
PIC18LF4423 • PIC18F4431 • PIC18LF4431 • PIC18F4450 • PIC18LF4450 • PIC18F4455 PIC18LF4455  
PIC18F4458 • PIC18LF4458 • PIC18F4480 • PIC18LF4480 • PIC18F4510 • PIC18LF4510 • PIC18F4515  
PIC18LF4515 • PIC18F4520 • PIC18LF4520 • PIC18F4523, PIC18LF4523 • PIC18F4525 • PIC18LF4525  
PIC18F4550 • PIC18LF4550 • PIC18F4553 • PIC18LF4553 • PIC18F4580 • PIC18LF4580 • PIC18F4585  
PIC18LF4585 • PIC18F4610 • PIC18LF4610 • PIC18F4620 • PIC18LF4620 • PIC18F4680 • PIC18LF4680  
PIC18F4682 • PIC18LF4682 • PIC18F4685 • PIC18LF4685 • PIC18F6310 • PIC18LF6310 • PIC18F6390  
PIC18LF6390 • PIC18F6393 • PIC18LF6393 • PIC18F6410 • PIC18LF6410 • PIC18F6490 • PIC18LF6490  
PIC18F6493 • PIC18LF6493 • PIC18F6520 • PIC18LF6520 • PIC18F6525 • PIC18LF6525 • PIC18F6527  
PIC18LF6527, PIC18F6585, PIC18LF6585 • PIC18F6620 • PIC18LF6620 • PIC18F6621 • PIC18LF6621



## Advanced Series (PIC18F) continuation

PIC18F6622 • PIC18LF6622 • PIC18F6627 • PIC18LF6627 • PIC18F6628 • PIC18LF6628 • PIC18F6680  
PIC18LF6680 • PIC18F6720 • PIC18LF6720 • PIC18F6722 • PIC18LF6722 • PIC18F6723 • PIC18LF6723  
PIC18F8310 • PIC18LF8310 • PIC18F8390 • PIC18LF8390 • PIC18F8393 • PIC18LF8393 • PIC18F8410  
PIC18LF8410 • PIC18F8490 • PIC18LF8490 • PIC18F8493 • PIC18LF8493 • PIC18F8520 • PIC18LF8520  
PIC18F8525 • PIC18LF8525 • PIC18F8527 • PIC18LF8527 • PIC18F8585 • PIC18LF8585 • PIC18F8621  
PIC18LF8621 • PIC18F8620, PIC18LF8620, PIC18F8622 • PIC18LF8622 • PIC18F8627 • PIC18LF8627  
PIC18F8628 • PIC18LF8628 • PIC18F8680 • PIC18LF8680 • PIC18F8720 • PIC18LF8720 • PIC18F8722  
PIC18LF8722 • PIC18F8723 • PIC18LF8723

## High Gamma (dsPIC30F)

dsPIC30F1010 • dsPIC30F2010 • dsPIC30F2011 • dsPIC30F2012 • dsPIC30F2020 • dsPIC30F2023  
dsPIC30F3010 • dsPIC30F3011 • dsPIC30F3012 • dsPIC30F3013 • dsPIC30F3013 • dsPIC30F3014  
dsPIC30F4011 • dsPIC30F4012 • dsPIC30F4013 • dsPIC30F5011 • dsPIC30F5013 • dsPIC30F5015  
dsPIC30F6010A • dsPIC30F6015

**\*PICs Que se pueden Programar y simular Mediante el zócalo ZIF  
(Microcontroladores De 40 Pines):**

## Media Series (PIC16F)

PIC16F747 • PIC16F777 • PIC16LF747 • PIC16LF777 • PIC16F871 • PIC16LF871 • PIC16F874  
PIC16F877 • PIC16F874A • PIC16F877A • PIC16LF874, PIC16LF877 • PIC16LF874A • PIC16LF877A  
PIC16F884 • PIC16F887 • PIC16F914 • PIC16F917



## Advanced Series (PIC18F)

PIC18F442 • PIC18F452 • PIC18LF442 • PIC18LF452 • PIC18F448 • PIC18F458 • PIC18LF448 • PIC18LF458  
PIC18F4220 • PIC18LF4220 • PIC18F4320 • PIC18LF4320 • PIC18F4321 • PIC18LF4321 • PIC18F4331  
PIC18LF4331 • PIC18F4410 • PIC18LF4410 • PIC18F4420 • PIC18LF4420 • PIC18F4423 • PIC18LF4423  
PIC18F4431 • PIC18LF4431 • PIC18F4450 • PIC18LF4450 • PIC18F4455 • PIC18LF4455 • PIC18F4458  
PIC18LF4458 • PIC18F4480 • PIC18LF4480 • PIC18F4510 • PIC18LF4510 • PIC18F4515 • PIC18LF4515  
PIC18F4520 • PIC18LF4520 • PIC18F4523 • PIC18LF4523 • PIC18F4525 • PIC18LF4525 • PIC18F4550  
PIC18LF4550, PIC18F4553, PIC18LF4553, PIC18F4580 • PIC18LF4580 PIC18F4585 • PIC18LF4585  
PIC18F4610 • PIC18LF4610 • PIC18F4620 • PIC18LF4620 • PIC18F4680 • PIC18LF4680 • PIC18F4682  
PIC18LF4682 • PIC18F4685 • PIC18LF4685

## High Gamma (dsPIC30F)

dsPIC30F3011 • dsPIC30F3014 • dsPIC30F4011 • dsPIC30F4013

