

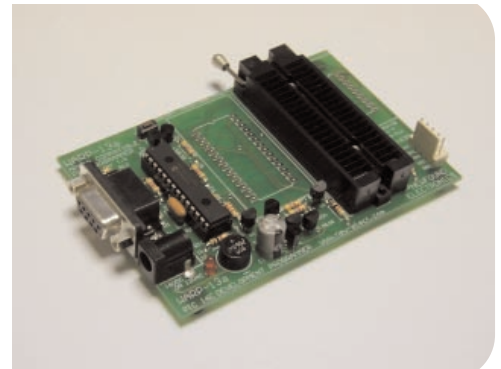
WARP-13

The PIC & AVR Programmer

Support:

- ◆ PIC12C
 - ◆ PIC14C
 - ◆ PIC16C5x
 - ◆ PIC 16Cxx
 - ◆ PIC 18Cxxx
 - ◆ PICs MPLAB compatible
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- ◆ Includes Serial lead

- ◆ The WARP-13 is the only PIC programmer (other than Microchip) that is a fully MPLAB compatible programmer. It integrates with MPLAB in exactly the same way as the PIC-START PLUS. In fact, MPLAB thinks that it is talking to a PICSTART PLUS!



- ◆ The WARP-13 is fitted with a ZIF socket as standard unlike other low cost programmers. It also features an on board ISP connector suitable for in circuit PIC programming and connection to odd pin out devices like the 14000 and the 16C92x Quad pack parts. In addition to supporting a whole range of PIC parts, the WARP-13 offers bonus support for ATMEL AVR micros.
- ◆ Built on a quality double sided plate-through hole PCB, the WARP-13 is neat and robust and is built to last. It comes complete with a PC serial lead but requires a power supply (15VDC, 2.5mm barrel connector)..
- ◆ The WARP-13 is an excellent programmer to fill the gap between the low end cheaper programmers and the quite costly PICSTART PLUS. With MPLAB compatibility as an option the WARP-13 is now even better as a great choice for your PIC programmer.

Software

- ◆ The Windows 95/98/ME software is included and it is useful for programming all the supported PICs (other than the 18Cxxx parts that are supported with MPLAB) and all the supported ATMEL and serial EEPROMs. This software offers many advanced features but is extremely simple to use. Our online help file and extensive use of "tool tips" guide both beginners and even advanced users though some of the tricky and difficult to remember PIC and AVR settings.
- ◆ A large number of time saving options are built into the software and with on-going development it is designed to serve you well into the future.

Installing the WARP-13 into MPLAB

- ◆ The WARP-13 PIC programmer is identical to the PICSTART PLUS as far as all communication protocols are concerned. MPLAB considers the WARP-13 to be a PIC-START PLUS and as such there is no separate software to install. Getting the WARP-13 to work with MPLAB may be as simple as a mouse click.
- ◆ To install the WARP-13 programmer into MPLAB click on the "PICSTART PLUS" menu and then select "ENABLE Programmer."
- ◆ If either of the above menu options are disabled or "grayed out" then MPLAB has been installed without the PICSTART plus support files. In this case MPLAB must be reinstalled with the PICSTART plus support files.
- ◆ To include the PICSTART plus support files run the MPLAB setup program. When the "SELECT COMPONENTS" screen is displayed, ensure the "PICSTART plus support files" option is ticked. This is all that is required. Continue with and finish the MPLAB installation and MPLAB will now be ready to drive your WARP-13 PIC programmer!

Device Support:

◆ 16C5x Family: PIC16C52 • PIC16C55 • PIC16C57 • PIC16C54 • PIC16C55A • PIC16C57C • PIC16C54A • PIC16C56 • PIC16CR57B • PIC16C54B • PIC16C56A • PIC16CR57C • PIC16C54C • PIC16CR56A • PIC16C58A • PIC16CR54A • PIC16C58B • PIC16CR54B • PIC16CR58A • PIC16CR54C • PIC16CR58B PDIP, SOIC*, Windowed CERDIP

16HV540

(All the above PICs require either the 18-pin Zif or 28-pin auxiliary ZIFs to be fitted.)
(Many PIC programmers don't program ANY of the above devices)

◆ 12Cxxx Family: 12C508, 12C508A, 12CE518, 12C509, 12C509A, 12CE519
12C671, 12C672, 12CE673, 12CE674

◆ 16C50x Family: 16C505

◆ 16C55x Family: 16C554, 16C554A, 16C556A, 16C558, 16C558A

◆ 16C6x(x) Family: 16C61, 16C62, 16C62A, 16C62B, 16C63, 16C63A, 16C63B, 16C64, 16C64A, 16C65, 16C65A, 16C65B, 16C66, 16C67, 16C66A, 16C67A
16C620, 16C621, 16C622, 16C620A, 16C621A, 16C622A, 16CE623, 16CE624, 16CE625
16C641, 16C642, 16C661, 16C662

◆ 16C7x(x) Family: 16C707, 16C71, 16C710 (was 16C70), 16C711 (was 16C71A), 16C712, 16C715, 16C716, 16C717, 16C72, 16C72A, 16C73, 16C73A, 16C73B, 16C74, 16C74A, 16C74B, 16C74C, 16C76, 16C77, 16C76A, 16C77A, 16C770, 16C771*, 16C773, 16C774, 16C712, 16C716, 16C717

◆ USB PICs: 16C745, 16C765, 16F62x

◆ 16F7x

◆ 16F8x(x) Family: 16F83, 16C84, 16F84, 16F84A, 16F627, 16F628, 16F870, 16F871, 16F872, 16F873, 16F874, 16F876, 16F877

◆ 16C92x Family: 16C923#, 16C924#

◆ 14C000 Family: 14C000*

◆ 18Cxxx Family: 18C242, 18C252, 18C442, 18C452

◆ 18F252, 18F452, 18F242, 18F452, 18F258, 18F458

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Order Code:

WARP-13