



## EMP-100 UNIVERSAL DEVICE PROGRAMMER

The EMP-100 is a low-cost USB 2.0 programmer with windows support and low voltage capability. The small size of the unit offers extreme portability. The EMP-100 supports devices that include EPROM's, FLASH, 8051-style micros, Microchip PIC, and a multitude of other specialty devices. Relays and discrete DAC-controlled analog drivers provide power and ground connections. The EMP-100 also supports in-system-programming, via an adapter, on a number of devices.

- **Windows support**
- **DAC-controlled Analog Drivers**
- **Low voltage capability**
- **USB 2.0 interface**
- **Package support includes but not limited to PLCC, SOIC, TSOP, SSOP, PSOP, BGA, DIMM, SIMM, TQFP, NTSOP, VQFP, PQFP and WSON**
- **Device support includes but not limited to EPROM, EEPROM, Flash Memory, Microcontroller's, CPLD's, PLD's and serial EPROM's**
- **In System programming support**
- **Low Cost**

## SYSTEM REQUIREMENTS

To use the EMP-100, you must have the following:

<u>Operating System:</u>	<u>Windows XP</u>
<u>Memory:</u>	<u>128MB of RAM Minimum</u>
<u>Hard Drive Space:</u>	<u>At least 40MB of free space</u>
<u>Interface:</u>	<u>USB 1.1 or greater interface</u>
<u>Power:</u>	<u>12-16 Volts @ 1 Amp, AC or DC</u>

## INCLUDED ITEMS

- A standard USB cable
- A 40 pin Ziff Socket
- An AC 110V transformer ( a 220V transformer at additional cost is available upon request)
- Numbers 111-114 Family modules are included with the EMP-100, in a small carrying wallet

## STABILITY

- The EMP-100 carries a 1 year warranty on all parts and labor, and a 30 day money-back guarantee (restocking fee may apply).
- The EMP-100 is static-protected at the Ziff Socket, Family Module socket, and power connector.
- CE Compliant, for sale in the European Community.

## HARDWARE

- Individual power supplies available.
- Relays provide superior isolation
- Logic voltage range from 2.2V to 5.5V
- High Voltage up to 25V
- Static protection on all socket pins

## SOFTWARE

- Supports device special features
- Automatic file type detection
- Algorithms approved or certified by device manufacturer
- Regular software updates