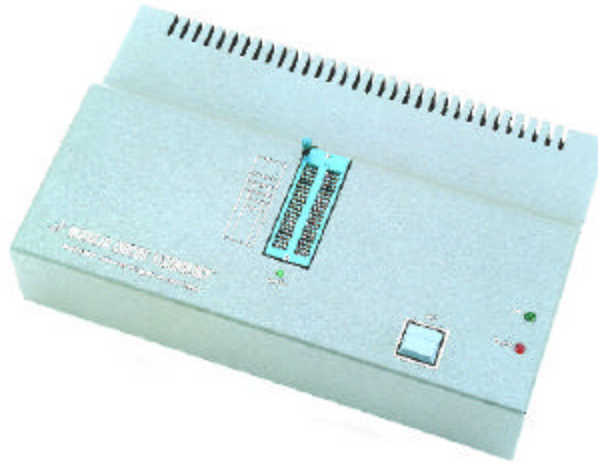


## **MOD-EMUP-A UNIVERSAL PROGRAMMER and TESTER**



### **Program and Test over 3000 Devices!**

---

One of the most versatile programmers available, the MOD-EMUP-A is ready to take on your programming requirements. Pop-up menu functions on your PC screen ease you through the task of programming over 3,000 devices from over 70 manufacturers. You can write EPROMs, EEPROMs, PROMs, PALs, GALs, PEELs, EPLDs, FPLs, microprocessors, and more. Plus, you can test static and dynamic RAM and over 300 TTL and CMOS devices. With our complete line of optional specialized adaptors, you can take full advantage of the latest technology for a very small investment. Program PLCC, PGA, QPR, and SDIP styles, and with a Gang adaptor, you can simultaneously program multiple devices.

Unlike many other low-cost programmers, the MOD-EMUP-A can be configured for TTL I/O or analog power. It includes a noise filter and has crystal-based frequency control. The ZIF socket accepts DIP devices up to 40 pins. With the appropriate adaptor, it can support devices up to 84 pins. An LED status indicator helps to prevent premature removal of a device. There is even a "YES" key on the programmer so that you do not need to return to the keyboard when you are ready to continue a procedure.

Menu-driven software makes programming easy. Simply select the appropriate device from the extensive list of manufacturers and device numbers. One-keystroke entries allow you to quickly choose from among the various options, selecting the appropriate tools. The software included with the programmer supports all of the typical programmer functions plus your own test vectors. The security fuse blow option allows the security fuse on a selected PLD to be blown to prevent all further read/write access. With the software utilities, you can perform 2-way and 4-way splits or shuffles and hex/extended hex file conversions for 16/32-bit code. The programmer comes with a Diagnostic Test Pod to aid trouble shooting.

## ***Features***

- Programs EPROMs, CMOS EPROMs, and EEPROMs up to 40-pins and 4 megabits
- Full-featured programmer supports PLDs, PALs, GALs, PEELs, EPLDs, FPLs, and logic sequencers
- Serial and Bipolar PROM programming
- A wide range of microprocessor programming
- Programs PLCC, PGA, and other package types with use of adaptors
- IC tester function tests TTL, CMOS, static-column, dynamic RAM, SIPP, and SIMM
- Menu-driven screens provide easy access to programmer functions
- Test your PLD designs with your own test vectors
- ZIF socket accepts DIPs up to 40 pins and 0.6" wide
- Includes utilities for Intel, Motorola and Tektronix extended hex-to-binary conversion, plus two- and four-way binary splitters/shufflers
- 8-bit ISA interface with one of 16 user-selectable port addresses
- Menu-driven software functions include erase, blank check, verify, read, compare, edit, load, save, test vector, and blow security fuse

## ***What You Need***

- A free 8-bit ISA slot. Maximum I/O Bus speed should not exceed 8MHz
- One 3.5" (1.44MB) diskette drive for software installation
- DOS 2.0 or later

## ***What You Get***

- MOD-EMUP-A Universal Programmer
- 8-bit ISA interface card
- Three 1.44MB 3.5" diskettes containing programmer menus and utilities
- Interface cable (one meter long) with DB-25 male and DB-25 female connectors for connecting the programmer to the interface card
- Diagnostic Test Pad with Quick Reference Guide
- User's Manual

## ***Specifications***

- Host system requirement: available 8-bit ISA slot with maximum bus speed of 8MHz, 512kB memory, one floppy drive, and DOS 2.0 or later

- Available base addresses: 200h, 210h, 220h, 230h, 240h, 250h, 260h, 260h, 270h, 280h, 290h, 2A0h, 2B0h, 2C0h, 2D0h, 2E0h (default), and 2F0h—only one address should be selected by jumper placement on the ISA card
- PC Bus Interface: ISA 8-bit
- PC Card Interface: DB-25 female connector
  
- EPROM Programmer I/O Interface: DB-25 male connector
- EPROM Programmer IC Interface: 40-pin ZIF variable width socket accepts 0.3" - 0.6" wide DIP ICs up to 40 pins

### ***Size/Weight***

- Interface card: 4.5"L x 2.75"H
- EPROM Programmer: 10.5"L x 2.75"H x 6.75"W
- Package weight 3 lbs

### ***Warranty***

This product is backed by JDR's own two year limited warranty. Call for details!

**ORDER TOLL-FREE  
TODAY!**

**1-800-538-5000**

*... and Ask About Other JDR Products!*

*Via Internet: <http://www.jdr.com>*

*Via Fax: 1-800-538-5005*

*If you have any questions:*

*Tech Support: 1-800-538-5002*