

# LEAPER-48

## USB Handy Universal IC Writer

### Introduction

Leap particularly designs LEAPER-48, the USB Handy Universal IC Writer to work with diversified components for R&D. It automatically detects the device pin insertion, empty connecting, and opposite putting, etc. Therefore, it avoids making mistakes while programming. In addition, the graphic operational interface helps user process programming more easily.



#### Standard Accessories

Main unit .....x1  
USB cable .....x1  
CD.....x1  
(Driver and user manual are included)

#### Optional Accessories

- DC 12V/2A power adaptor
- PLCC, SOP, TSOP, SSOP, TQF uBGA, etc.

### Features

- Support low voltage components. Provide +/- 5%, +/- 10% Vcc checking function.
- Provide fast programming FLASH/EPROM function. It only takes 20 seconds to process a 16M bits FLASH memory. (C+P+V)
- Graphic operation software: All programming procedures are simplified into few automatic processes.
- Provide auto-programming function.
- System self-test function.
- Device processing interface: 48-pin ZIF socket and directly support DIP package device under 600mil .

### Specification

DC/AC Characteristics	Signal Voltage : 2.5V- 5.0V
	Vcc Voltage : 1.0V-10.0V 500mA
	Vhh,Vpp Voltage : 1.0V-25V 500mA (Max.)
	Clock Frequency : 0Hz - 32MHz
Communication	USB 1.1
Power	DC 12V/2A (Auto-Switching)
Frequency Range	50/60Hz
Power Consumption	24W(Max)
Dimension	16cm x 11cm x 4.5cm
Weight	500g
Operating Altitude	up to 5000m
Operating Humidity	90% (non-condensing)
Temperature	+5°C ~ +45°C

### PC System Requirement

Operating System	Windows 98/ME/2000/XP
Processor	Pentium III and above
Memory	128MB RAM and above
Hard Disk	30MB and above
Communication	USB 1.1

### EMC Standards

- (per 89/336/EEC ), EN55022 Class A, EN50082-1 IEC801-3, IEC801-2 IEC801-4 ◦

### Device Supported

- EPROMs, EEPROMs, FLASH, Serial EEPROM, NV-RAMs, Microcontrollers, DSP, PLDs...

### File Type Supported

- Binary 、 intel HEX 、 TEK HEX 、 Motorola HEX ◦