

---



GANG PROGRAMMER

USER'S MANUAL



*LEAP*

---

## TABLE OF CONTENTS

. Introduction.....	2
. The Features .....	2
. Functional Specifications .....	2
. Standard Accessories.....	3
. Optional Accessories.....	3
. Electrical Requirements.....	3
. Physical & Environmental Specifications.....	4
. EMC Standard (stand for 89/336/EEC).....	4
. Hardware Installation.....	4

## **. Introduction**

The Gang Programmer is another revolutionized LEAP's product which is not only "stand-alone", "stable" and "speedy" but also modular designed. As soon as simply changing the "Cartridge modules" you can have all sorts of special IC programming systems.

The Gang Programmer offers two modes of operation. For operation in a stand-alone environment, you can use the Gang Programmer smart and easy-operation keypad and 20 × 4 LCD character display. Or, for greater flexibility and control our complete programming operation, the Gang Programmer can be driven under both Windows 3.1/95/98/ME

## **. The Features**

1. Supports gang/set programming for E/EPROMs, Flash, Gal, and Microcontrollers....etc, just simply change the Cartridge modular.
2. Includes software for the PC, an easy-to-use Windows .
3. Includes console keyboard for use without a PC host.
4. Complies with TUV ISO-9001 production requirements and with EN55022 class A emission requirements.
5. Support of the "green" low-voltage devices.
6. DC parameter test.
7. Convenient pseudorandom test for functional simulation for necessary Cartridge module.

### **III . Functional Specifications**

- User RAM: 4MB (SU-1000 , SU-3000)  
1 MB (SU-2000)
- Keyboard: 18-key keypad
- Display: 20 x 4 LCD character display
- Output / Input: Parallel port (printer port)
- Control Mode: Local mode
- Transmitted formats: INTEL HEX, MOTOROLA HEX, SIGNETICS HEX, ASCII HEX, BINARY, ....etc.

### **IV . Standard Accessories**

- Main Unit
- User's manual
- Printer cable
- Power cord

### **V . Optional Accessories**

- Cartridge modules

### **VI . Electrical Requirements**

- Operation Voltage: 90VAC to 240VAC
- Frequency Range: 47 to 63Hz
- Power Consumption: 65W maximum

## . Physical & Environmental Specifications

Main unit Dimensions: 39 x 22.6 x 10.9 cm (SU-3000)

39 x 19.5 x 6 cm (SU-2000)

39.5 x 14.5 x 6.5 cm (SU-1000)

Main unit Weight: 4.0 kgs (SU-3000)

3.5 kgs (SU-2000)

3.0 kgs (SU-1000)

Cartridge Module Weight: 26.5 x 17.2 x 2 cm

Cartridge Module Weight: 1 kgs

Temperature: +5 to +45

Humidity: to 90% noncondensing

Altitude: to 5000m

## . EMC Standard (stand for 89/336/EEC)

EN55022 Class A

EN50082-1 IEC801-3

IEC801-2 IEC801-4

## . Hardware Installation

### (1) Generally Installation

1. Please insure Gang Programmer in the switch off condition.
2. Connect one head of the power cable to power socket, the other head plug into the Gang Programmer.
3. If you want to connect with PC, please use the data cable.

Connect with the printer port and the connected point of the Gang Programmer.

4. Connect Cartridge module (please refer to Cartridge Module Installation).

5. Turn it on.

(2) Cartridge module Installation

1. Please insure that the switch is at 0(OFF) on the Gang Programmer.

2. Place the connector which is on the bottom of the Cartridge module onto the top of Gang Programmer and then push tightly.

3. Check if the Cartridge module and Gang Programmer have been connected tightly.

(3) Dismantle the Cartridge Module

1. Turn off the Gang Programmer.

2. There is one handle at the left hand back side respectively, hold them by using your both hands.

3. First, put the left hand on the keyboard of main unit, second put your right hand on the cartridge handle and then pull it up disconnect the Cartridge module from Gang Programmer.

4. Store the module carefully.