

# LP-1000 POWERED CONTROLLER

## USER MANUAL



# INTRODUCTION

Thank you for selecting an Entar LP-1000 Powered Controller. This controller allows you to power up to 300 ColorChips. It can work with or without a universal DMX 512 control desk. It offers 17 stunning built in effects that can run through DMX control or in sound activation mode.

## **MAIN FEATURES**

Provides power and flicker-free control for ColorChip  
12 outputs  
DMX digital input with 7, 37 channel modes  
Individual RGB control of each output  
Stand alone use without a control desk  
17 stunning built in effects  
To set stand alone mode with digital display  
Remote access to stand alone features from DMX input  
Can be wall mounted or used free standing

## **SAFETY INFORMATION**

**Warning!** *This product is not for household use. It presents risks of lethal or severe injury due to fire and heat, electric shock, and falls.*

This product is professional use only. It is not for household use. Read this manual before powering or installing the fixture, follow the safety precautions listed below and observe all warnings in this manual and printed on the fixture. If you have any question about how to operate the fixture safely, please contact your dealer.

### **Protecting yourself and others from electric shock**

Disconnect the fixture from AC power before removing or installing fuses or any part, and when not in use.

Always ground (earth) the fixture electrically.

Use only a source of AC power that complies with local building and electrical codes and has both overload and ground-fault protection.

Do not expose the fixture to rain or moisture.

Refer all service to a qualified technician.

Never operate the fixture with missing or damaged covers.

### **Protecting yourself and others from burns and fire**

Never use the device to power fixtures that exceed the specified maximum load.

Never attempt to bypass the fuses.

Always replace defective fuses with ones of the specified type and rating.

Do not modify the fixture or install other than genuine Martin parts.

### **Protecting yourself and others from injury due to falls.**

When suspending the fixture above ground level, verify that the structure can hold at least 10 times the weight of all installed devices.

Secure the device with a safety wire threaded through the side holes.

Block access below the work area whenever installing or removing the fixture.

## UNPACKING

The packing material is carefully designed to protect the fixture during shipment – always use it to transport the fixture.

The LP-1000 is packaged with the following:

LP-1000

User manual

Powered cable

## INSTALLATION

The LP-1000 mains lead may require a grounding-type plug that fits your power distribution cable or outlet. Consult a qualified electrician if you have any doubts about proper installation.

**Warning!** *Each power output can supply 30 Watts maximum to the ColorChips. Do not connect higher wattage fixtures to the LP-1000. The maximum total load is 360 Watts. This means you can use 12 outputs with maximum 30 Watts on each output.*

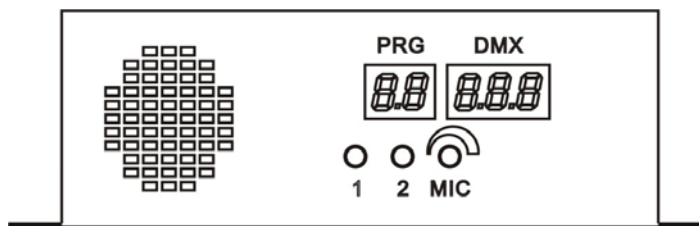
## INSTALLATION/MOUNTING

The LP-1000 can be floor mounted, wall mounted, suspended using a clamp.

## CONNECTING THE LP-1000

The LP-1000 is connected to the ColorChips using XLR connectors.

## OPERATION



Push and hold the buttons 1 and 2 for 2 seconds to enter the setting mode. The two digits under PRG will be on.

Push the button 2 to set the value of PRG.

Push the button 1 to switch to DMX setting.

After setting, push the buttons 1 and 2 to save and exit the setting.

Setting the operation modes (PRG)

- 0: Control through a DMX 512 control desk  
Sound activation mode (when DMX input is not connected)
- 1: Stand alone mode. The LP-1000 runs the built in effects automatically.
- 2-18: Select one built in effect.

Setting the sensitivity of sound activation: turning the MIC potentiometer.

# DMX PROTOCOL

DMX channel	Value	Function
<b>1</b>	0-9	Sound activation
	10-19	Auto effects
	20-199	Single effect
	200-219	Select colors through channel 2
	220-239	7 channel mode
	240-255	37 channel mode
<b>2</b>	0-255	Select colors (when channel 1 at 200-219)
	0-255	Red dark → bright (when channel 1 at 220-239)
	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>3</b>	0-255	Green dark → bright (when channel 1 at 220-239)
		Green on output #1, dark → bright (when channel 1 at 240-255)
<b>4</b>	0-255	Blue dark → bright (when channel 1 at 220-239)
		Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>5</b>	0-24	Null
	25-255	Red color changing, slow → fast Red on output #1, dark → bright (when channel 1 at 240-255)
<b>6</b>	0-24	Null
	25-255	Green color changing, slow → fast Green on output #1, dark → bright (when channel 1 at 240-255)
<b>7</b>	0-24	Null
	25-255	Blue color changing, slow → fast
	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>8</b>	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>9</b>	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
<b>10</b>	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>11</b>	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>12</b>	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
<b>13</b>	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>14</b>	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>15</b>	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
<b>16</b>	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>17</b>	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>18</b>	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
<b>19</b>	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>20</b>	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>21</b>	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
<b>22</b>	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>23</b>	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>24</b>	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
<b>25</b>	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
<b>26</b>	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
<b>27</b>	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
<b>28</b>	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)

29	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
30	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
31	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
32	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
33	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
34	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)
35	0-255	Red on output #1, dark → bright (when channel 1 at 240-255)
36	0-255	Green on output #1, dark → bright (when channel 1 at 240-255)
37	0-255	Blue on output #1, dark → bright (when channel 1 at 240-255)

## SPECIFICATIONS

Input.....3-prong IEC male socket  
 AC Power input.....220-240 V, 50Hz  
 DC Output.....12 channels, 30 Watts per channel  
 Weight.....3.6 kg

Dimensions:

