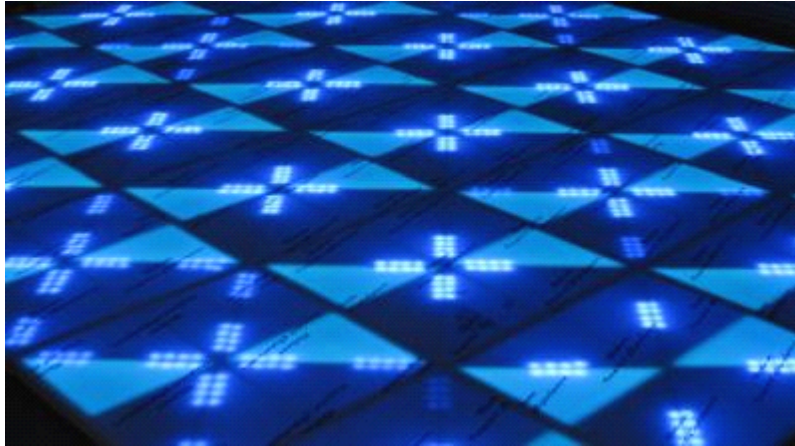# LED DANCING FLOOR
User Manual

Introduction

Unpacking: Thank you for purchasing the LED DANCING FLOOR. Every LED DANCING FLOOR has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without first contacting.

Introduction: The LED DANCING FLOOR is a DMX intelligent LED dancing floor. This unit can be used as a stand alone, or a sound-active mode. The unit can also be controlled via DMX controller.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact the manufacturer or your dealer.

PLEASE recycle the shipping carton when ever possible.

General Instructions

To optimize the performance of this product, please read these operating instructions carefully to familiarize you with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

Features

- Multi-Colors
- Color Strobe
- Electronic Dimming 0-100%
- Built in Microphone
- DMX-512 protocol
- Master/Slave synchronization
- LED operation menu with function buttons
- Memory of power-off

Safety Precautions

- Do not spill water or other liquids into or on to your unit.
- Be sure that the local power outlet matches that of the required voltage for your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when its cover is removed.
- Never plug this unit in to a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See "Cleaning" for details.
- Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
  A. The power-supply cord or the plug has been damaged.
  B. Objects have fallen, or liquid has been spilled into the appliance.
  C. The appliance has been exposed to rain or water.
  D. The appliance does not appear to operate normally or exhibits a marked change in performance.

Set Up

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your LED DANCING FLOOR. The LED DANCING FLOOR is available in a 120v and 220v version. Because line voltage may vary from venue to venue, you should be sure your unit voltage matches the wall outlet voltage before attempting to operate you fixture.

DMX Linking: To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line

does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Operating Instructions

Touch Buttons

There four touch buttons under the LED display: Mode, Setup, Up and Down.
Normally, the LED will display the current DMX address code of the fixture, as like
"DMX Address: 001"
At this time, press Mode to enter the main menu; Press Up/Down to scroll in the menu or submenu options; Press Setup to confirm your selection.
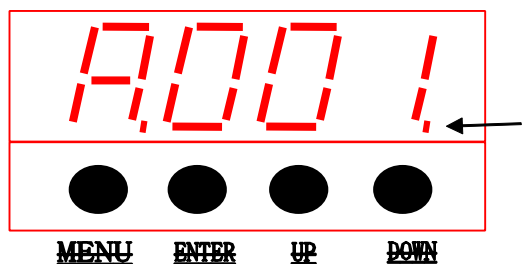
Operating Modes: You can use the LED DANCING FLOOR in four ways:

- Sound-Active mode - The unit will react to sound, chasing through the built in programs.
- Auto Mode - The unit will automatically chase through the different colors and built-in programs.
- Slave Mode – The unit will run under slave mode.
- DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.

DMX Mode: Operating through a DMX controller give the user the freedom to create their own programs tailored to their own individual needs.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. Please see "DMX Values and Functions" for the DMX traits.
3. To run your fixture in DMX mode, plug in the fixture via the XLR connections to any standard DMX controller. Set your desired DMX address following the setup specifications that come with your DMX controller.

LED Operation Menu:

MENU   ENTER   UP   DOWN

When in Master/Slave Synchronization Mode, only one dancing floor in a series can be set as the master.

LED DISPLAY FUNCTION

◆ d.001	Slave mode
◆ CC.00	LED strip 1-16 Auto-run
◆ CE.00	2)+1) Auto-run + Strobe
◆ CF.00	LED strip 17-24 Auto-run

◆doMn   Effect Auto-run

◆Sond   Sound active

DMX Values and Functions

CH1	/16PCs LED strips Rotation Eeffect (Cross led strip effect)	0-5	Lamp off
		6-49	Auto-run mode 1
		50-104	Auto-run mode 2
		105-154	Auto-run mode 3
		155-204	Auto-run mode 4
		205-252	Auto-run mode 5
		253-255	RGB color control of each led strip
CH2	/16PCs LED strip Rotation speed & direction (Cross led strip effect)	0-127	Clockwise rotation speed
		128-255	Anti-clockwise rotation shpped
CH3	/8PCs LED strip streamy effect (diagonal led strip effect)	0-63	All lamp off
		64-128	One group streamy effect(2pcs led lamps as one group)
		129-192	Double group streamy effect (4pcs led lamps)
		193-255	All lamp on
CH4	/8PCs LED strip chase effect (inwards & outward;RGB Color change) (diagonal led strip effect)	0-18	Red color outwards
		19-37	Green color outwards
		38-55	Blue color outwards
		56-73	R+G color outwards
		74-91	G+B color outwards
		92-109	R+B color outwards
		110-127	R+G+B color outwards
		128-147	Red color inwards
		148-165	Green color outwards
		166-183	Blue color inwards
		184-201	R+G color inwards
		202-219	G+B color intwards
		220-237	R+B color inwards
		238-255	R+G+B color inwards
CH5	Diagonal led strips chase speed	0-255	Fast-slow
CH6	LED strip rotation speed	0-32	No rotation;All lamp on
		33-255	Single led strip rotation speed;Fast-slow
CH7	Strobe	0-5	No effect
		6-255	Strobe speed;Fast-slow
	From channel 8-31 is dimmer effect of each triangle,keep CH1=253-255 on. (Each triangle with 3pcs led strips).		
CH8	Red color dimmer	0-255	Bright-dim

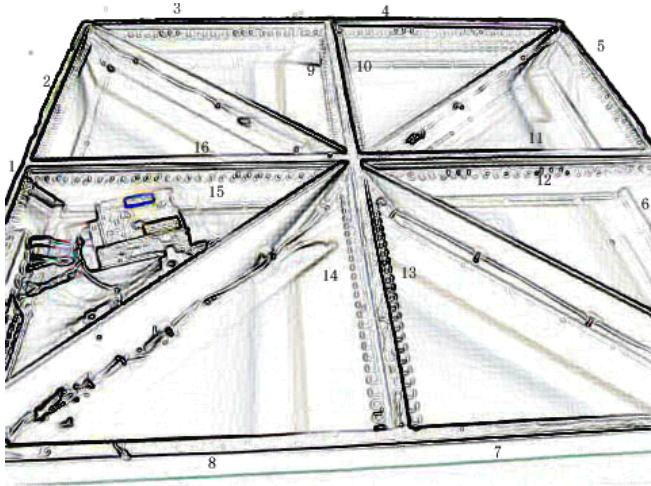| CH9	Green color dimmer	0-255	Bright-dim
CH10	Blue color dimmer	0-255	Bright-dim
…			……
…			……
CH31			……

Photo 1 .Number 1-16 led strip belongs to Cross led strip.
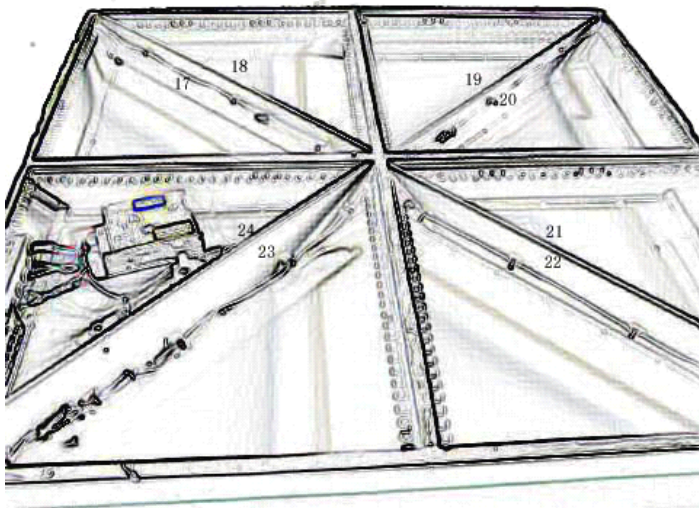

Photo 2 .Number 17-24 led strip belongs to diagonal strip.

LED STRIP

Photo 3. LED strips from 1-16 are 27pcs 10mm led lamps each piece;
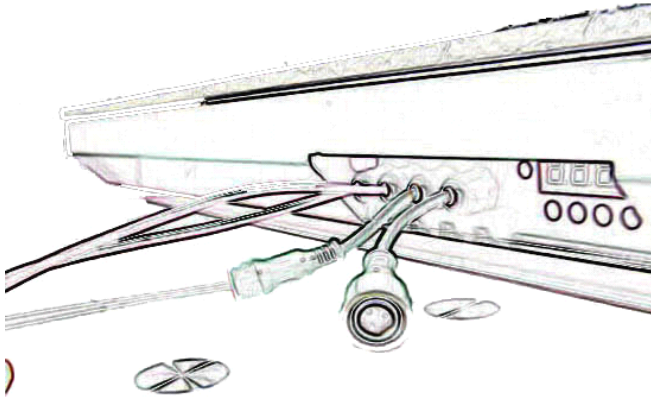
LED strip from 17-24 are 36pcs 10mm led lamps each piece.

Photo 4. Dance floor side—water-proof sockets&plugs,led dispaly

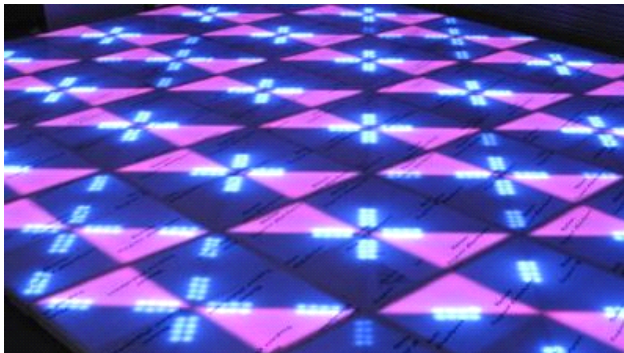**Photo 5.** One group streamy effect

Photo 6.Double group streamy effect

Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

Unit not respond to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 may be 'hot'). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

Unit does not respond to sound:

1. Quiet or high pitched sounds will not activate the unit. If problems are not resolved, contact your dealer for service.

Specifications

Model: LED dancing floor
Position: Any safe working position
Voltage: 90-230V / 50/60Hz
Colors: Red, Green and Blue; Stepless Color Mixing
LED lamps: Total 720pcs 10mm high brightness LED lamps
Red 10mm X 240PCS   Green 10mm x 240 pcs; Blue 10mm x 240 pcs
Light Beam Angle: 10-45 degrees
DMX Channel:31chs
Net weight: 35KG
Warranty: 1.5Year

Note: All information is subject to change without prior notice.

2009-4-01