



Skokie 847-677-2010    Glenview 847-657-9020    Wheeling 847-537-2255

## Starball LED DMX

### Warning

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture
- 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 cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 10 for cleaning 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.
- If you choose to use an extension cord it is **"use at your own risk" 10 gauge extension cord 25ft** is what we suggest.
- 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.

### Data Cable (DMX Cable) Requirements (For DMX and Master/Slave

Operation): The Starball LED DMX™ can be controlled via DMX-512 protocol. The American DJ® Starball LED DMX™ is a two channel DMX unit. The DMX address is set on the back panel of the Starball LED DMX™. Your unit and your DMX controller require a standard 3-pin XLR connector for data input and data output. If you are making your own cables, be sure to use standard two conductor shielded cable (This cable may be purchased at almost all pro sound and lighting stores). Your cables should be made

with a male and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.

**Notice:** Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

## **Operating Modes:**

### **Stand-Alone Operation (Sound Active and Auto Program): Sound Active:**

1. Put dipswitch #1 in the 'On' position. The unit will react to the low frequencies of music via the microphone.

### **Auto Program:**

1. To run the Auto Program, put dipswitches 1 & 2 in the "On" position. Dipswitch 3 will reverse the rotation. Dipswitches 4, 5, & 6 will control the speed of rotation.

**Master-Slave Operation:** This function will allow you to link units together to run in a Master Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling unit's built-programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the "Master."

1. Using standard XLR microphone cables, daisy chain your units together via the XLR connector on the rear of the units. Remember the Male XLR connector is the input and the Female XLR connector is the output. For longer cable runs we suggest a terminator at the last fixture.
2. Simply daisy chain the units together using XLR cables.
3. For the Master unit put dipswitch 1 in the "On" position and all other dipswitches in the "Off" position. For the Slave units, put any dipswitch in the "On" position, except, the #1 dipswitch.

**Universal DMX Control:** This function allows you to use a universal DMX-512 controller such as the Elation® DMX Operator™ Show Designer. to control the DMX traits. Operating through a DMX controller gives freedom to create unique programs tailored to one's individual needs.

1. The Starball LED DMX™ uses 2 DMX channels. Channel 1 controls the dimmer/strobe, and channel 2 controls dome rotation. See the bottom of this page for the DMX traits.