

- The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people and has no one pass by or under it.

## 2- Unit Description

### Button:

- |          |                                |
|----------|--------------------------------|
| 1. MENU  | To select the program function |
| 2. UP    | Increase parameter             |
| 3. DOWN  | Reduce parameter               |
| 4. ENTER | Enter submenu                  |

Main menu	Submenu	Functions	Key action
A001	A001-A512	Address setting	
LA** Single laser mode	LAoF	Laser all off	
	LAAu	Laser auto mode	
	LA r	Red light	
	LA G	Green light	
	LArG	Red Green light	
	LA01-LA20	Change color, number large, changing speed faster	
	SP 1-9	Laser motor speed, number bigger, speed faster	Press ENTER to confirm
LE* Single LED effect mode	LE 1	Red + yellow light	
	LE 2	Green + pink light	
	LE 3	Blue + white light	
	LE 4	Two colors jumping change	
	LE 5	Mixed color jumping change	
	LE 6	Strobe	
	LE 7	Auto, repeat LE 4-6 mode	
	Sd 1-9	Display flickering, LE 4-7 speed adjustment	Press ENTER to confirm

	Sp 1-9	Display flickering, LED effect motor speed adjustment, number bigger speed faster	Press ENTER to confirm
FL ** Single strobe mode	FLoF	Light-tight, no strobe	
	FL 1-9	Strobe, speed from fast to slow	
PA ** Single gobo mode	PA 1	Red light	
	PA 2	Green light	
	PA 3	Blue light	
	PA 4	White light	
	PA 5	Single color jumping	
	PA 6	Mixed color jumping	
	PA 7	Strobe	
	PA 8	Auto, repeat PA 4-6 mode	
	Sd 1-9	Display flickering, PA 4-7 speed adjustment	Press ENTER to confirm
Auto	Auto	Auto mode	
S1**	S101-S120	Sound mode	
	bLon/of	Display flickering. When "on" shows on the display, means no sound and light is off. When "OF" shows, it is the opposite	Press ENTER to confirm
	uoL1-uol9	Display flickering, Voice sensitivity adjustment, number bigger, sensitivity higher	Press ENTER to confirm

### 3- Technical Specifications

- 9 DMX channels
- Operational Modes: DMX, Auto, Sound activated
- Light Source: 6PCS\*1W RGBWPO Derby+20W White Strobe+80mw green and 30mw red Laser+4PCS\*3W RGBW single color Gobo
- Power supply: 100 - 240Vac (50-60Hz)
- Power consumption: 80W
- Packing Size: 400 × 230 × 200mm
- Product meas:390\*205\*130mm

- N.W.:2.4KG
- G.W.:2.9KG

This BoomToneDJ fixture is complying with European standards: EN 2014/30/EU, EN 2011/65/EU, EN 2014/35/EU.

### **Universal DMX controller**

Using universal DMX controller to control the units, you have to set DMX address from 1 to 512 channel so that the units can receive DMX signal.

Press the MENU, then find Addr, press ENTER, when the 1 is showing on the display. Pressing ENTER. Use DOWN and UP button change the DMX512 address.

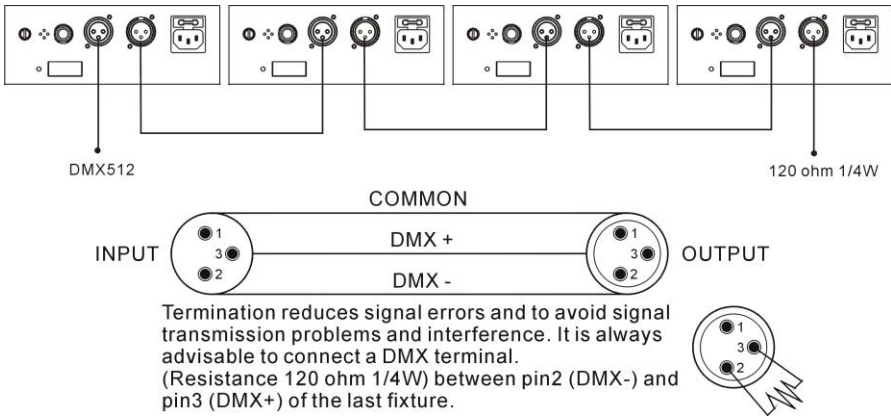
### **DMX Protocole :**

Channel	Value	Function
1	0-9	Gobo LED light off
	10-225	Gobo LED color select, each 16 value is one color
2	0-9	LED effect light off
	10-44	LED effect red + yellow color
	45-79	LED effect green + pink color
	80-114	LED effect blue + white color
	115-149	LED effect red + green + yellow + pink color
	150-184	LED effect green + blue + white + pink color
	185-219	LED effect red + blue + yellow + white color
	220-255	LED effect red + green + blue + white + yellow + pink color
3	0-9	The laser is completely off
	10-99	The laser light red
	100-199	The laser light green
	200-255	The laser light red+green

4	0-9	Strobe LED off, from CH5 channel, channel 1,2,3 is working.
	10-255	Strobe LED on, speed from fast to slow
5	0-16	CH1,2,3,4 all working
	17-33	CH1 is working
	34-50	CH2 is working
	51-67	CH3 is working
	68-84	CH4 is working
	85-101	CH1,2 are working
	102-118	CH3,4 are working
	119-135	CH2,3 are working
	136-152	CH1,4 are working
	153-169	CH1,3 are working
	170-186	CH2,4 are working
	187-203	CH1,2,3 are working
	204-220	CH1,2,4 are working
	221-237	CH1,3,4 are working
	238-255	CH2,3,4 are working
6	0-9	Gobo motor stops
	10-127	Gobo motor clockwise rotation, from fast to slow
	128-255	Gobo motor anti-clockwise rotation, from slow to fast
7	0-9	LED effect motor stops
	10-255	LED effect motor rotation, from fast to slow
8	0-9	Laser motor stops
	10-127	Laser motor clockwise rotation, from fast to slow
	128-255	Laser motor anti-clockwise rotation, from slow to fast
9	0-50	CH1 to CH8 channel is valid
	51-150	Auto mode
	151-255	Sound mode

## 5. DMX 512 Connection

The DMX 512 is widely used in intelligent lightings and with a maximum of 512 channels.



1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
3. Connect the unit together in a 'daisy chain' by XLR plug from the output of the unit to the input of the next unit. The cable cannot be branched or split to a 'Y' cable. DMX512 is a very high-speed signal. Inadequate or damaged cables, solder joints or corroded connectors can easily distort the signal and shut down the system.
4. Each lighting unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).

## Troubleshooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

- **The fixture does not work, no light**
  - Check the connection of power and main fuse.
  - Measure the mains voltage on the main connector.
- **Not responding to DMX controller**
  - DMX LED should be on. If not, check DMX connectors, cables to see if link

- properly.
- If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
- If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the fixture or the previous one.
- Try to use another DMX controller.
- Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.
- **Some fixtures don't respond to the easy controller**
  - You may have a break in the DMX cabling.
  - Check the LED for the response of the master/ slave mode signal.
- **No response to the sound**
  - Make sure the fixture does not receive DMX signal.
  - Check microphone to see if it is good by tapping the microphone.

## 6. Fixture Cleaning

The cleaning of internal must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the fixture's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days