

# ***MICROH* DJ**

**[www.microhdj.com](http://www.microhdj.com)**

**MODEL: VIRUS-60**



## **User Manual**

Thanks for your purchasing, please read this manual carefully before operating the system. It gives you general information for your safe and better operation.

## Inspection

Check for the contents in the package refer to the following list:

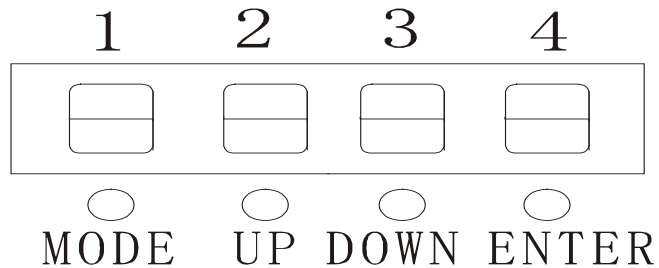
1. Laser lighting: 1
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## Technical parameters

1. Laser diode: DPSS, green 532nm
2. Power supply: AC120, 50/60Hz, 30W
3. Laser power: G60mw
4. Motor: N1.8 high precision step motor
5. Control mode: Sound control/Auto/master-slave/DMX
6. Dimensions: 200mm×135mm×80mm
7. Net weight: 1.5KG
8. Gross weight: 2.0KG



## Function Setting (digital board)



### THE 'MODE' FUNCTION

'Audi': SOUND CONTROL

'Auto': AUTO-PLAY CONTROL

'dxxx': DMX512 CONTROL, xxx is DMX address

UP: DMX address up

DOWN: DMX address down

ENTER: PLEASE PRESS ENTER AFTER YOU CHANGE STATE,

## Installation

- 1、 Firstly, be sure that the using voltage is match with the voltage marked on the base of the laser lighting ;
- 2、 Installation should be made by professional technician. fix the laser lighting and adjust the angle of the laser lighting to you need;
- 3、 Please check whether the fan and the exhaust is blocked;
- 4、 There is a hole for connection. when hang the laser lighting, be sure the cable can undertake 10 times of the lighting weight;
- 5、 The laser lighting should be fixed;
- 6、 It is essential to be earthed well for the sake of safety.

## DMX512

This laser light is controlled by the standard DMX. Please connect controlling panel with the lighting as following



Before using the DMX512 controller, you should set the channel address in the digital display.

One unit has 11 channels, so each unit must be assigns 11 channels at least. We may assign 11 channels for one unit, then DMX address =  $11*N+1$ ,  $N=0, 1, 2, 3 \dots$

Example: One loop address=1, two loop address=12, three loop address=23, four loop address=34

Loop	Digital address
1	1
2	12
3	23
4	34

If we assign 12 channels for one unit, then DMX address= $12*N+1$ ,  $N=0, 1, 2, 3 \dots$

## DMX Control Parameter Chart

Channel No		DMX512 fig.	Content
Channel 1	Control mode	0~69	Laser off
		70~139	Sound control
		140-209	Auto play
		210~255	DMX control
Channel 2	Pattern Selection	0~34	Static patterns for manual
		35--255	Dynamic Geometric patterns
Channel 3	Strobe	0--29	No strobe
		30-255	8 grade speed 0-255)/30=0-8do
Channel 4	Pattern Display	0-69	Smooth
		70-139	Spot and line
		140-209	Line
		210-255	Spot
Channel 5	Horizontal move	1~160	Manual
		161~190	From left to right move
		191-220	From right to left move
		221-255	Right and left in-phase move
Channel 6	Vertical move	1~160	Manual
		161~190	From down to up
		191~220	From up to down
		221~255	Up and down in-phase move
Channel 7	Zoom(+/-) pattern size	0-255	pattern size change / Zoom in or out
Channel 8	Axis Y rotation	0-255	Axis Y rotation
Channel 9	Axis X rotation	0-255	Axis X rotation
Channel 10	Axis Z rotation	0-255	Axis Z rotation
Channel 11	Motor resetting	0-199	No resetting
		200-255	XY motors resetting

When the channel 2 is select to static pattern for manual (0--34), the follow channel is valid.

## **Maintenance**

- Please clean the lens regularly. Do not do it using the wet cloth or other chemical. the clean times is depend on the using frequency and surrounding condition; it is recommended that should be cleaned every 20 days;
- Please clean the lighting surface and engine outlet regularly.
- Be sure that there is no flammable or explosive subject nearby. The least distance is 0.5 meters. at the same time, keep more than 15cm between the wall and laser lighting;

## **Warning**

- Power off before installation or maintenance;
- The danger class of this laser lighting is CLASS III B. it's dangerous for observing laser
- Keep at least 0.5 meters distance between the lighting and flammable material;