Laser show system

Model: CVLC-LT223

User's Manual

Thanks for your purchasing. For your safety and better operation, please read this manual carefully before run this system.

Inspection

Check for the following contents in the package:

1. Laser lighting: 1 pc
2. Power cable: 1 pc
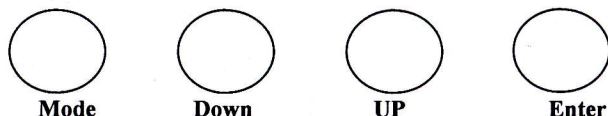3. User's manual: 1 pc

Installation

1. Firstly, be sure that the voltage in your country is the same as 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 according to your need.
3. Make sure that there is no flammable or explosive subjects nearby. The least distance is 0.5 meters. At the same time, keep at least 15cm between the wall and laser lighting.
4. Please check whether the fan and the exhaust hole are blocked.
5. There is a hole for connection. When hang the laser lighting, be sure the cable can undertake 10 times weight of the lighting.
6. The laser lighting should be fixed.
7. It is essential to be earthed well for the sake of safety.

Technical parameters

1. Laser diode: DPSS, green 532nm,red650nm,blue445nm
2. Power supply: AC100-240V, 50/60Hz
3. Laser power: B300mw+G60mw +R300mw
4. Scanner: 15Kpps High-speed optical scanner
5. Control mode: sound control/auto/dmx/SD card
6. Dimensions: 295mm × 220mm × 148mm
7. Net weight: 3.0KG
8. Gross weight: 3.6KG

When using this laser, its effect will change as the music. If you change the sound and rhythm, the machine will change its speed and direction.

Buttons on the back panel

| Mode | Down | UP | Enter |

Mode: press for next Mode
UP or Down: change working files during PRG and ILD Mode
      Change Sound sensitivity during Sound Mode
Enter: Change working folders during PRG and ILD Mode
    Press for more than 1 minute then saving current working Mode which includes Mode, working Folder, working file, Sound sensitivity. Next time you turn on this machine, and then it plays the Mode you saved.

Working Mode

PRG Mode: Play PRG files in the SD Card.
     Press "Up" or "Down" to change working files.
     Press "Enter" to change working folders.
ILDA Mode: Play ILD files
     Press "Up" or "Down" to change working files.
     Press "Enter" to change working folders.
Audio Mode: Sound Active Mode
     Press "Up" or "Down" to change Sound Sensitivity
Auto Mode: Auto Mode which plays built-in show in the Machine
Physic set: Rotation change
     Play "UP" or "Down" to change its output rotation which is very useful if you hang the machine upside down.

How to Create a DIY Show

A. Install software "Laser Controller": Folder Help>Folder Setup> setup

B. Open the software

C. Create a picture or text

D. Click Frames Menu---Save Framelist as----name this framelist----choose "ILDA Standard (256 Color) (*.ild)

E. Copy this ild format frames to the SD Card

F. Create a new Text files.

G. Rename this text files and changes its extension filename to .PRG

H. If you set your computer to hidden Extension filename, please unhidden the extension filename at first, then change the extension filename.

I. Associate the files you create with the PRG files to create a program

J. Program contains the following information: File Name with extension filename, play speed (this machine is 10K scanner, you can play at most 12K), repetition times, I (if you create the Ild file by Ishow software)

  Use Coma for Interval

For example, you have created 3 ILD files as file1.ild、file2.ild file3.Ild; the play speed for them is 12K; you want to repeat file1.ild 20 times, file2.ild 12times and file3.ild 30 times. File2.ild is created by Ishow.

So you should write in the PRG files as following:

File1.ild,12,20

File2.ild,12,12,i

File1.ild,12,30

Your Folder Name should be same as your PRG file name.

Add all the ild format files into the PRG files, then during ilda Mode, the machine can play the show you create.

For example, during aurora folders, you create a file name "aurora.prg".

If you add new ild files into this folder, please add them into the PRG file too.

This step is necessary for you to play the shows you created.

Notice for Create DIY Shows

A.　This machine can only support Fat32 system. If your SD card is new, please format it to be FAT32.

B.　Name rules for file and folders

The file name should be in English and should not contain more than 8 letters for name and 3 letters for extension filename. You can use Number, Letters or Underline for file or folder' name.

C.　Please do not use the SD card for others purpose. It is designed for the machine only.

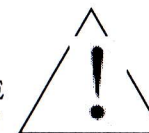D.　The machine can read at most 20 folders and 256 ILD folders and 10 PRG files.

Warning

1. Power off before installation or maintenance.

2. The danger of this laser lighting is CLASS Ⅲ B. It's dangerous for observing laser. The safe minimum distance is 13cm; the safe maximum time is 10 seconds.

3. Keep at least 0.5 meters between the lighting and flammable material.

Maintenance

1. Please clean the lens regularly. Do not use wet cloth or other chemicals. The period need for maintenance depends on the using frequency and surrounding condition. We recommended that the laser can be cleaned every 20 days.

2. Please clean the lighting surface and outlet of engine regularly.

DANGER
LASER RADIATION AVOID EXPOSURE
TO BEAM CLASS 3B LASER PRODUCT

Notices

※ Non-professional do not dismantle or repair the laser lighting. When there is a problem, please inquire with the professional or contact with the local dealer.

※ Do not exposure in the wet or dirty condition.

※ Prevent the laser lighting from strong vibration or punch.

※ Prevent other subject enter into the lighting.

※ Ensure the fan is not blocked.

※ Before power on, be sure electric outlet is connected well with the socket.

※ Do not turn on and turn off frequently, avoid turning on the power for a long time.

※ Please power off the lighting for 15 minutes after running two hours, ensure that the laser system is in well cooling state.

※ Do not looking at the laser source using telescope.

※ Do not touch the laser lighting by wet hand and forcefully pull the power line.

※ The distance between lighting and casting medium should be more than 1 meters.

※ When to be transported, use the original package.