

**SOH**

## **RGB Trifan Multi-Effect Laser Show System**

### **User's Manual**



***ATTENTION: Read this manual before using. Do not attempt to open the housing or repair this device by yourself without contact us!***

## General Instructions








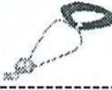

### Unpacking:


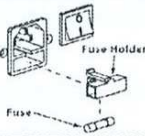




Thank you for purchasing this product. Please read user guide for safety and operations information before using the product. Keep this manual for future reference. This product can create perfect light programs and effects since it has passed a series of strictly tests before delivery. Please check the attachments listed on the page after opening the carton. Immediately upon receiving a fixture, carefully unpack the box. Check the box contents to ensure that all parts are present and that they are in good condition. If any part appears damaged from shipping, or if the box shows signs of mishandling, notify the shipper immediately. In addition, retain the box and all the packing material for inspection. In any event, save the carton and all packing material because, in case that you have to return the fixture to the factory, you will have to do so in its original box, with its original packing.

What is included: 1\* Light, 1\*Power Cable, 1\*User Guide

### Safety Notice:

Please read the following notes carefully because they include important safety information about the installation, usage and maintenance of this product. It is important to read all these notes before starting to work with this product.

	There are no user serviceable parts inside the light. Any reference to servicing this unit you may find from now on in this User Manual will only apply to properly C we certified technicians. Do not open the housing or attempt any repairs unless you are one of them.
	Please refer to all applicable local codes and regulations for proper installation of the light.
	Keep this manual for future consultation. If you sell the light to another user, make sure that they also receive this manual.
	Avoid direct eye exposure to the light source while the fixture is on. Always disconnect the light from its power source before servicing. Always connect the light to a grounded circuit to avoid the risk of electrocution.
	This product is for indoor use only! Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other fluids, or metallic objects.
	Make sure there are no flammable materials close to the fixture(s) while operating.
 Danger Electrical shock risk	Please prevent this light away from electrical shock
	When hanging this fixture, always secure it to a fastening device using a safety cable (not provided).
<b>Power</b> 110V 240V Ground	Always make sure that you are connecting the light to the proper voltage, as per the specifications in this manual or on the product's sticker. Never connect the light to a dimmer pack. Make sure that the power cable is not cracked, crimped or damaged. Never disconnect the fixture by pulling or tugging on the power cable.
	The maximum ambient temperature (Ta) is 104 F (40 C). Do not operate the fixture at a higher temperature. In case of a serious operating problem, stop using this product immediately!

	Use cleaning tissue to remove the dust absorbed on the external lenses periodically to optimize light output.
	Always replace with the exact same type fuse, replacement with anything other than the specified fuse can cause fire or electric shock and damage your unit, and will void your manufactures warranty.
	Do not remove or break the warranty label, otherwise it void the warranty.
	There are no serviceable parts in the light. Please have all servicing and adjustments made by a qualified service engineer.
	Don't throw this product away just as general trash, please dispose of this product following the abandon electronic product regulation in your country.
	To protect the environment, recycle packing material wherever possible.

### Laser Expected Lifespan

Laser gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, Laser exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color Laser are used at their fullest intensity, life of the Laser is significantly reduced. It is estimated that a viable lifespan of 5,000 to 10,000 hours will be achieved under normal operational conditions. If improving on this lifespan expectancy is of a higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

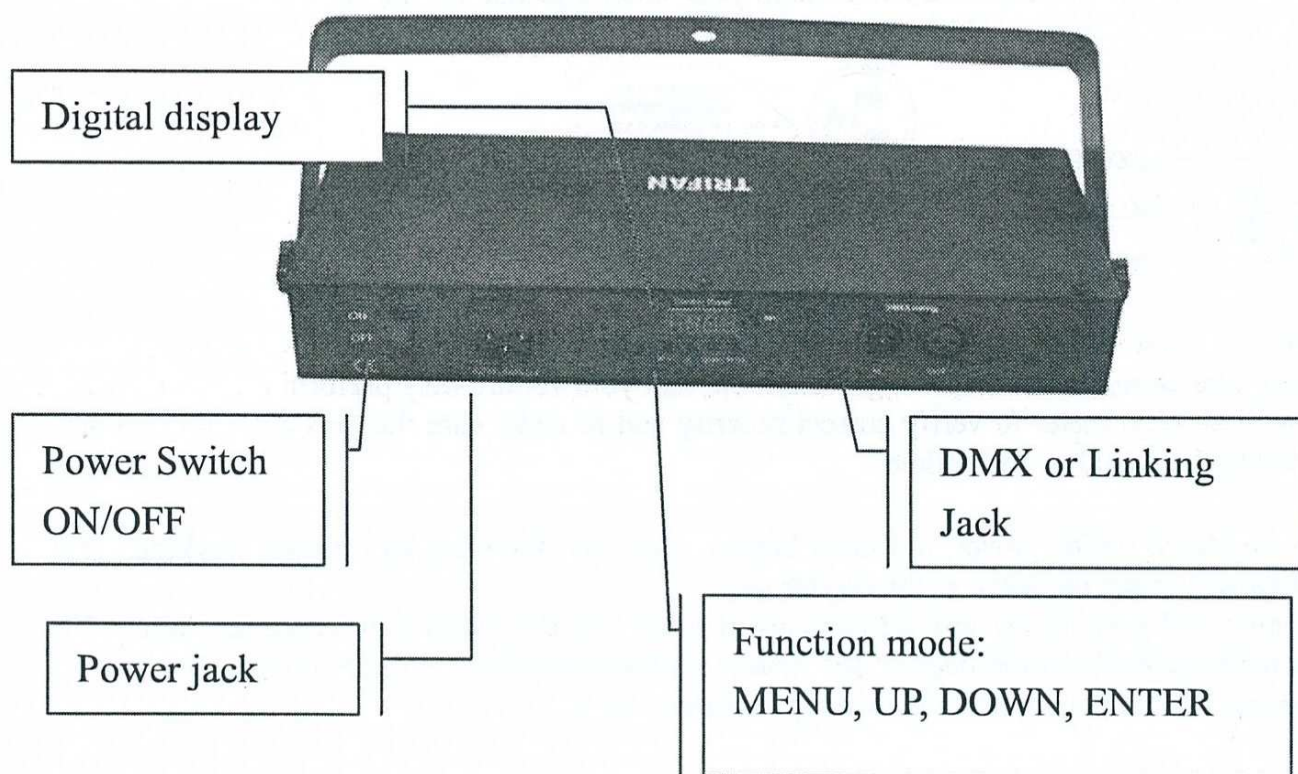
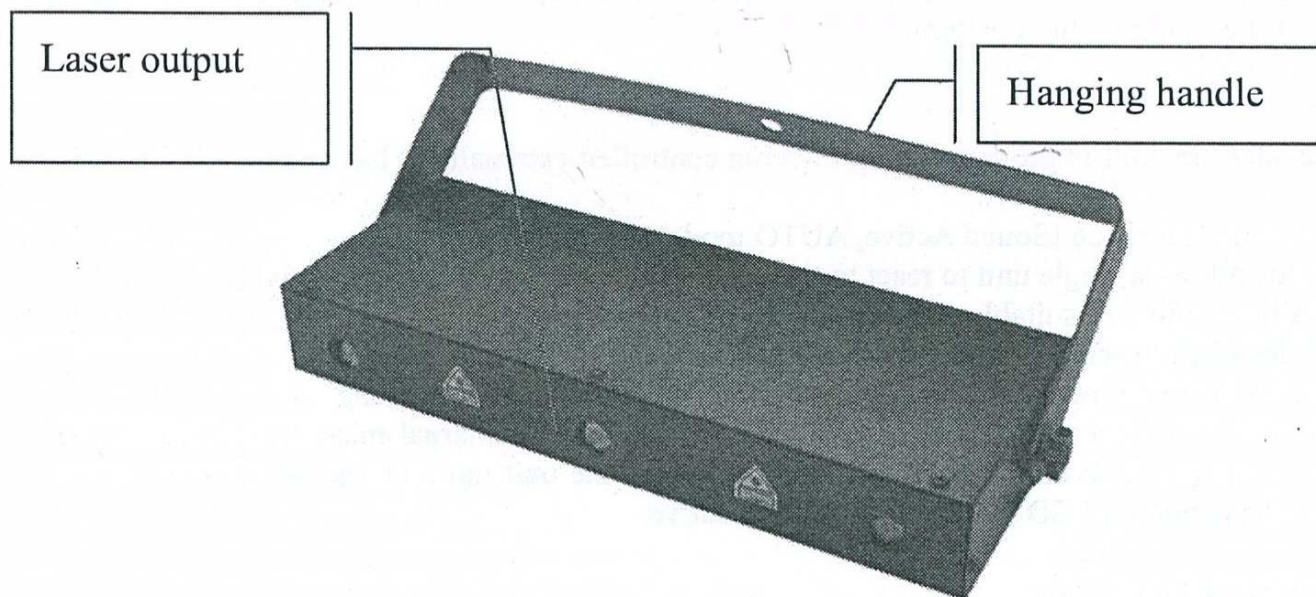
### Technical Specification

Description: Trifan Super-cool Multi-Effect Laser Show System

\*Feature:

- (1) Built-in multi effects
- (2) Four working modes: AUTO, Sound active, DMX512, Master/Slave
- (3) Under DMX mode, user can set light ON/OFF, output lens selection with adjustable speed, flash output lens selection with adjustable speed, spin direction with adjustable speed.
- \*LCD display with 4 digital button: Mode, UP, DOWN, ENTER
- \*Beam angle: 150 degrees
- \*Scanning Micro-step motor scanning at big angle
- \*Play Mode Sound Active, AUTO, DMX512, Master/Slave
- \*DMX Channel: 7CH and/or 9CH
- \*Interface: 3 pins XLR jack for DMX or Maser-Slave linking
- \*Power Supply: Bi-Voltage 110V to 220V-250V, 50/60HZ, 20W
- \*Net Weight: 1.7Kg
- \*Gross Weight: 2.1Kg (inner box), 17.8Kg (outer box)
- \*Volume Weight: (1)each inner box: 2.9Kg (/5000) or 2.4Kg(/6000); (2)each outer box:23Kg (/5000) or 19.2Kg(/6000),
- \*Inner Box:417\*224\*108(0.01cbm)
- \*Outer Box:463\*432\*487(0.098cbm), 8pcs/ctn \*Applicable Place: DJs, Bands, Bars, Pubs, Clubs, KTV, Family party, etc.

## Fixture Appearance



## Function & Setting

### Sound Active

The change of the pattern is controlled by sound, that is, the rhythm of the sound control the effect of the changing light pattern.

### AUTO

Auto cycles the built-in programs without being controlled externally. It has no light OFF.

#### Stand-Alone Operation (Sound Active, AUTO mode)

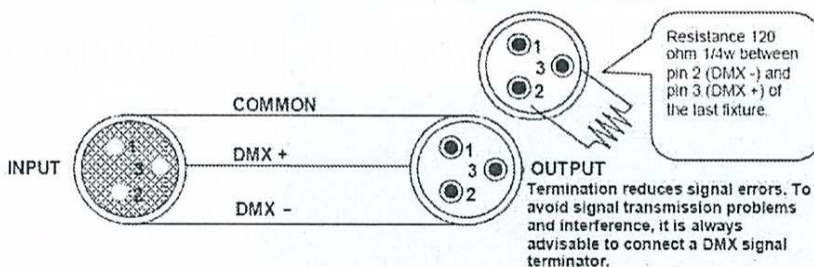
The mode allows a single unit to react to the beat of the music in the master mode.

1. Install the units in a suitable position (laying or appending).
2. Set dipswitch to select Sound Active or AUTO mode.
3. Turn on the unit power, the unit begins reset, then the unit begins working.
4. The unit will react to the low frequencies of music via the internal microphone. Adjust the audio sensitivity knob on the back of the unit to make the unit more or less sensitive in sound active. The panel has LED indicating for sound active.

#### Master-Slave Operation

This mode will allow you to link up to 32 units together without controller.

1. Install the units in a suitable position (laying or appending).
2. Choose a unit to function as Master mode, set dipswitch to select Sound Active or AUTO mode. The others must be set to Slave mode, set dipswitch to select Slave mode.
3. Use standard XLR microphone cable chain your units together via the XLR connector on the rear of the units. For longer cable runs we suggest a terminator at the last fixture.



**Caution:** Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded, or shorted to the shield or each other.

4. Turn on the all units' power, the units begins reset, and then the unit begins working. The slave units will re-act the same as the master unit.
5. The units will react to the low frequencies of music via the internal microphone. Adjust the audio sensitivity knob on the back of the master unit to make the unit more or less sensitive in sound active. The panel has LED indicating for sound active.

#### Universal DMX Operation (DMX mode)

The system only accepts the DMX512 signal of international standard to control the system. This mode allows you to use universal DMX-512 console to operate.

1. Install the units in a suitable position (laying or appending).
2. Use standard XLR microphone cable chain your units together via the XLR connector on the rear of the units. For longer cable runs we suggest a terminator at the last fixture.
3. Turn on the all units' power, the units begins reset, and then the unit begins working.
4. Use DMX console to control your units.

DMX Control: The light only accepts the DMX512 signal of international standard to control the light.

DMX Control Parameter Chart

CH7	Function	Value	Description
1	Mode	0---63	All OFF
		64---127	Sound Active, blackout without music
		128---191	AUTO
		192---255	Manual DMX, CH2-CH7 working
2	3 lens A B C position selection	0---1	All OFF
		2---31	All ON
		32---63	Lens ON selection, controlled by CH3
		64---87	A--B--C 3 lens AUTO change, speed controlled by CH3
		88---111	AB--BC--AC 3 lens AUTO change, speed controlled by CH3
		112---135	A-AB-ABC-BC-C AUTO change, speed controlled by CH3
		136---159	A--AB--B--BC--C--AC--ABC AUTO change, speed controlled by CH3
		160---183	A--B--C Sound change
		184---207	AB--BC--AC Sound change
		208---231	A-AB-ABC-BC-C Sound change
		232---255	A--AB--B--BC--C--AC--ABC Sound change
3	3 Lens position change speed control	0---255	Speed from slow to fast
4	3 lens flash position change	0---255	ABC--A--B--C--AB--BC--AC--ABC
5	Flash control	0---15	No flash
		16---223	AUTO flash
		224---255	Sound Flash
6	3 lens gobo spin direction control	0---10	No spin
		11---60	Counter clockwise spin
		61---80	Counter clockwise spin AUTO Stop to Spin
		81---100	Counter clockwise spin Sound Stop to Spin
		101---160	clockwise spin
		161---180	clockwise spin AUTO Stop to Spin
		181---200	clockwise spin Sound Stop to Spin
		201---255	Clockwise and Counter clockwise AUTO spin
7	Gobo Spin speed	0---255	Slow to fast

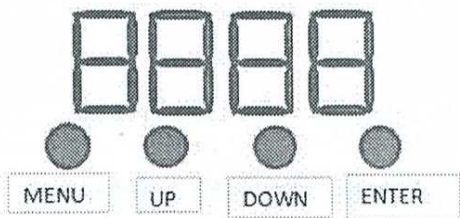


CH9 description:

Channel	Function	Value	Description
1	Mode	0---63	All OFF
		64---127	Sound Active, blackout without music
		128---191	AUTO
		192---255	Manual DMX, CH2-CH7 working
2	3 lens A B C position selection	0---1	All OFF
		2---31	All ON
		32---63	Lens ON selection, controlled by CH3
		64---87	A--B--C 3 lens AUTO change, speed controlled by CH3
		88---111	AB--BC--AC 3 lens AUTO change, speed controlled by CH3
		112---135	A-AB-ABC-BC-C AUTO change, speed controlled by CH3
		136---159	A--AB--B--BC--C--AC--ABC AUTO change, speed controlled by CH3
		160---183	A--B--C Sound change
		184---207	AB--BC--AC Sound change
		208---231	A-AB-ABC-BC-C Sound change
232---255	A--AB--B--BC--C--AC--ABC Sound change		
3	3 Lens position change speed control	0---255	Speed from slow to fast
4	3 lens flash position change	0---255	ABC--A--B--C--AB--BC--AC--ABC
5	Flash control	0---15	No flash
		16---223	AUTO flash
		224---255	Sound Flash
6	A gobo position	0---255	A gobo position setting
7	B gobo position	0---255	B gobo position setting
8	C gobo position	0---255	C gobo position setting
9	Gobo Spin speed	0---255	Slow to fast



## LCD Digital Display



**MENU:** Function mode selection, such as DMX512/Masterslave, AUTO strobe, Sound Active Strobe, Constant light on, brightness adjustment  
**DOWN/UP:** previous or next, increase or decrease  
**Enter:** confirm and save the selection

### Full LCD digital chart:

AuTo

Soud

d001-d512

d001-d512

SLAu

chSE

CH07

CH09

SPEd

S01----rS64

SEnS

000---100

### Digital function details:

#### 1. AUTO mode:

AuTo

\* On the MENU, press the MENU to [AuTo], press ENTER to confirm this AUTO mode.

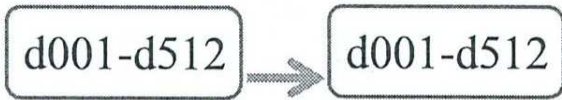
#### 2. Sound Mode

Soud

\* On MENU mode, press MENU to [Soud], press ENTER to Sound mode. No light if there is no sound.



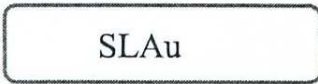
### 3. DMX512 mode



\*On MENU mode, press MENU to select [dxxx] (xxx:001--512) , Press ENTER to DMX512 mode.

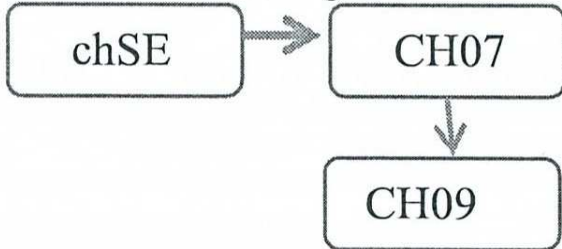
\*On DMX512 mode, press UP/DOWN to increase or decrease DMX value 001---512. Press ENTER to save the value. Press MENU back to the previous mode.

### 4. Slave mode



\*On the MENU mode, press MENU to display [SLAu], press ENTER to Slave mode.

### 5. DMX channel Setting



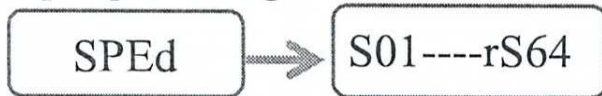
\*On the MENU mode, press MENU to display [chSE] , Press ENTER to set DMX512 channel.

\*Press UP/DOWN to select CH07 or CH09. Press ENTER to save the setting. Press MENU back to the previous setting.

\*CH07: 3 lens controlled simultaneously, such as stop, spin

\*CH09: 3 lens spin controlled independently, simultaneous sound, independent AUTO effects

### 6. Spin speed setting



\*Under MENU mode, press MENU to display [SPEd], press ENTER to spin speed setting.

\*Press UP/DOWN to set speed from 01—64 level, press ENTER to save. Press MENU back to the previous setting.

### 7. Sound sensitivity setting



\*On the MENU mode, press MENU to display [SEnS] , Press ENTER to Sound sensitivity setting.

\*Press UP/DOWN to increase/decrease the sensitivity value 001---100. Press ENTER to save the value. The higher value, the more sensitive the light is.

## Troubleshooting

1. If the power supply indicator doesn't light up and the light doesn't work, please check the power supply, the input voltage and the fuse.
2. In Stand-Alone operation, if the power supply indicator is light up and sound active indicator isn't light up, but the light is shut off doesn't work.
  - A. Because sound is too small make for light shut off in sound active, please increase the music volume or increase audio sensitivity with sensitivity knob, please check as below.
  - B. Please check if unit has been set up in slave mode, then set up in master mode.
3. In Master-Slave operation, slave unit don't function, please check as below.
  - A. Make sure to there's only one master in the chain, and the others are set in slave mode.
  - B. Make sure to control the unit without DMX console controlling.
  - C. Make sure to take a good quality power cable and connection.

### Warranty Warnings:

1. Damages caused by the disregard of this user manual are not subject to Warranty. The dealer will not accept liability for any resulting defects or problems.
2. Please consider that unauthorized modifications on the device are forbidden due to safety reasons. Please note that damages caused by manual modifications on the device or unauthorized operation by unqualified persons are not subject to warranty.
3. If this device will be operated in any way different to the one described in this manual, it may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns electric shock, etc.

After trying the above solution you still have a problem, please contact your dealer or our company for service.