INSTRUCTION MANUAL

Laser Tri140 FScan

Fast scanning RGY plus Orange animation laser

MANUAL VERSION 2.0

Powerful and cost effective 40mW green / 100mW red laser
10 channel DMX512 operation
XLR DMX input & output
Fast scanning motor that creates amazing animations
Pre-programmed animations & graphic images
Sound-to-Light, Auto, DMX512 & Master/Slave modes
Tough metal chassis
Adjustable hanging bracket
Fan cooled operation
Key operated power control

For the latest instruction manual updates and information on the entire Kam range visit:

www.kam.co.uk

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INTRODUCTION

Thank you for purchasing the Laser Tri140 Fscan.

To optimise the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. The Kam Laser Tri140 Fscan has been designed to create amazing laser effects. Please keep these user instructions in a safe place for future reference. This unit has been tested at the factory before being shipped to you. There is no assembly required.

WARNING

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to high temperature, rain or moisture.

Unintended reflections of the laser beam from reflective or metallic surfaces can be dangerous. Do not touch the laser aperture. When cleaning the laser Aperture, please use a soft cloth.

Laser Class 3B product. National regulations must be adhered to at all steps of installation. These can be downloaded from the website www.kam.co.uk (In Germany apply DIN 56912 and BGVR LASER note: additional regulations may apply).

Always replace the fuse with exact same type because anything other than the specified fuse can cause a fire, electric shock, damage your unit, and will void your manufactures warranty. This appliance must be earthed.

This appliance should be used by qualified personnel only.

UNPACKING YOUR NEW KAM PRODUCT

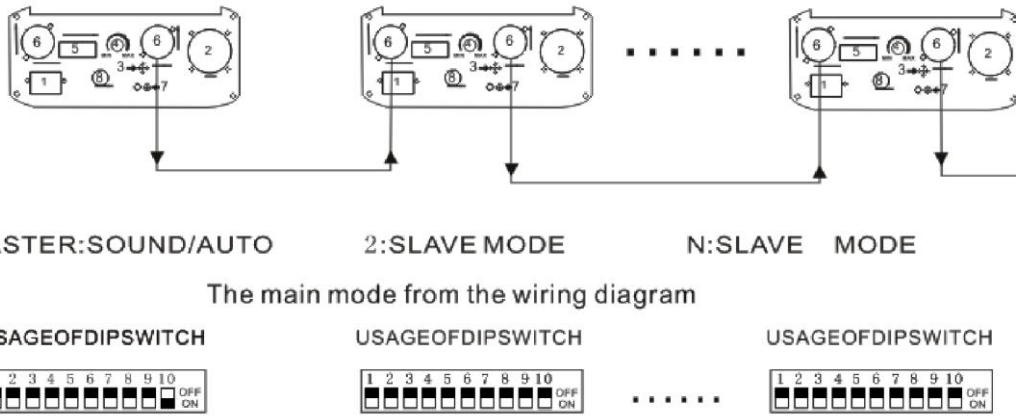
Carefully inspect your Laser, as you unpack it. If any damage is evident, please notify the supplier you purchased the unit from immediately. For safety reasons do not use the unit if any damage has occurred during transportation.

Contents: Laser, mains lead, user manual and safety keys

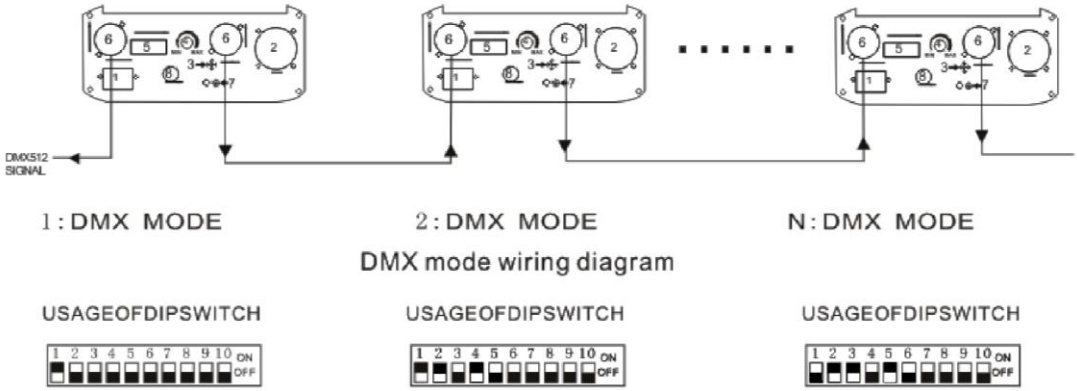
STANDALONE MODE

Sound/Auto mode
Set dipswitch 10 to the on position
The unit will work in auto mode and will respond to the bass beat of the music.
Turning the dial on the rear panel in a clockwise direction will increase the unit's sensitivity to sound, turning the dial anti clockwise direction will decrease the unit's sensitivity, and the unit will return to auto mode after a short period.

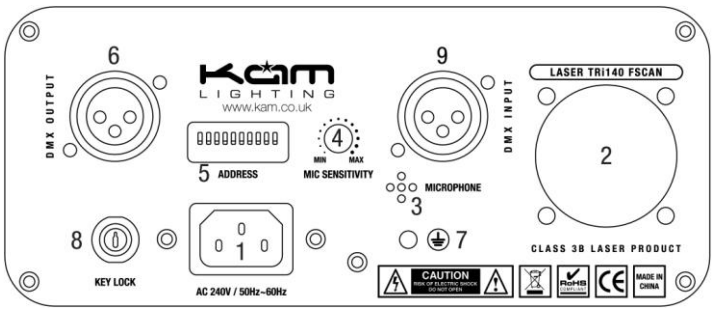
Master/Slave mode
Without DMX controller
Set the master unit with dip switch 10 on.
Set all slave units with all dipswitches off.
There must only be one master unit set.



DMX mode
Using a DMX controller
Each laser uses 10 DMX channels
Set the DMX address of beach unit as required using DMX binary to configure the DMX channel you require.
In the drawing below we start the first unit with the DMX address of 1



REAR PANEL



1. Mains input
Power sockets with fuses (2A)
2. Fan
3. Mic
4. Adjust mic sensitivity
5. Dip switches
6. DMX output sockets
7. Earth tag
8. Key switch
9. DMX input socket

In standalone mode there are 25 pre-programmed patterns available. When using the DMX controller there are 42 present patterns available.

DMX channels
Ch1. Mode selector
Ch2. Pattern select
Ch3. Rotation left / rotation right
Ch4. Spin image
Ch5. Flip image
Ch6. Moving image left to right
Ch7. Moving image up and down
Ch8. Tracing image
Ch9. Shows vector path of image
Ch10. Colour selection

TECHNICAL SPECIFICATION

Voltage: AC85-265V 50HZ-60HZ (Auto-adjust)
Power consumption: 20W
Laser power: 30mW green/150mW Red
Laser wave length: Green laser wavelength 532nm;
Red laser wavelength 650nm
Motor speed: 15Kpps scanner system
Control mode: standalone, music active, DMX512
DMX512: 10 channels
Cooling system: Fan system
Dimensions: L290×D260×H80 (mm)
Weight: 1.8Kg