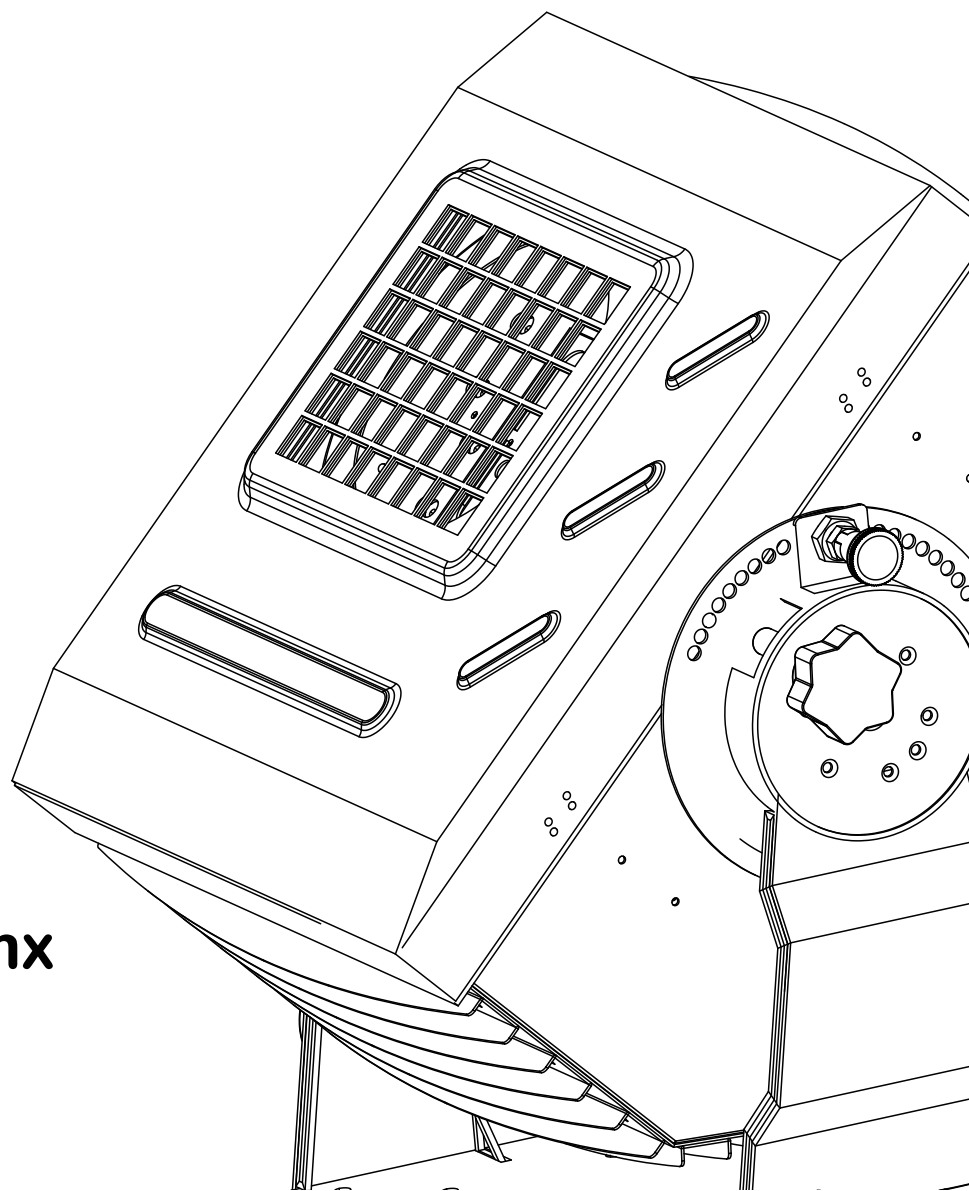


Showco Arc-Lite 575



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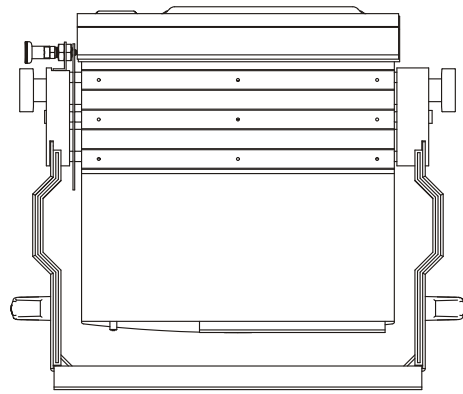


CONTENTS

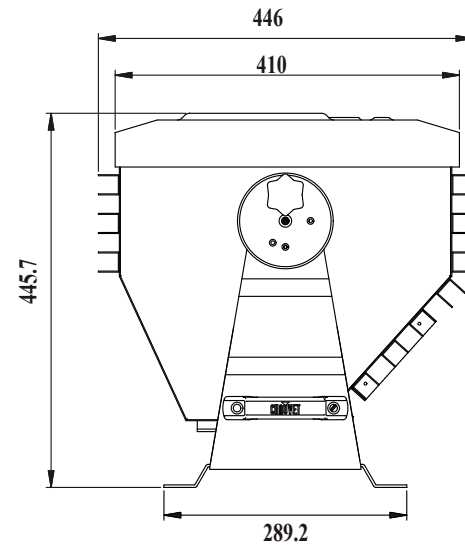
1. PRODUCT DIAGRAM-----	Pg.2
2. INTRODUCTION-----	Pg.3
3. SAFETY INSTRUCTIONS-----	Pg.3
4. GETTING STARTED-----	Pg.4
5. LAMP REPLACEMENT-----	Pg.5
6. SECURING THE FIXTURE-----	Pg.5
7. POWER CONNECTIONS-----	Pg.6
8. DMX512 CONNECTIONS-----	Pg.6
9. CONTROL DIP SWITCH SETTINGS-----	Pg.7
10. DMX512 MODE CHANNEL ASSIGNMENT-----	Pg.9
11. TECHNICAL SPECIFICATIONS-----	Pg.10
12. PHOTOMETRIC DATA-----	Pg.10
13. ELECTRICAL WIRING DIAGRAM-----	Pg.11
14. TROUBLE SHOOTING-----	Pg.12
15. MAINTAINING AND CLEANING & NOTICE-----	Pg.13

Please read over this manual before operation

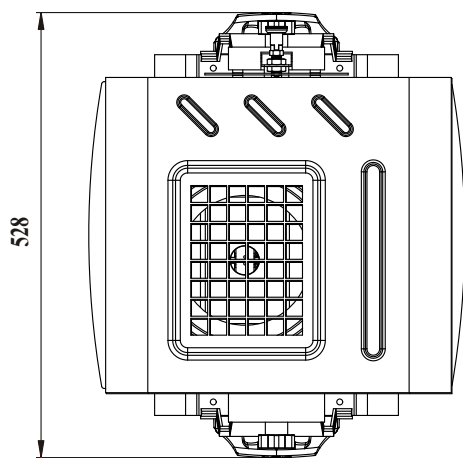
SECTION 1: PRODUCT DIAGRAM



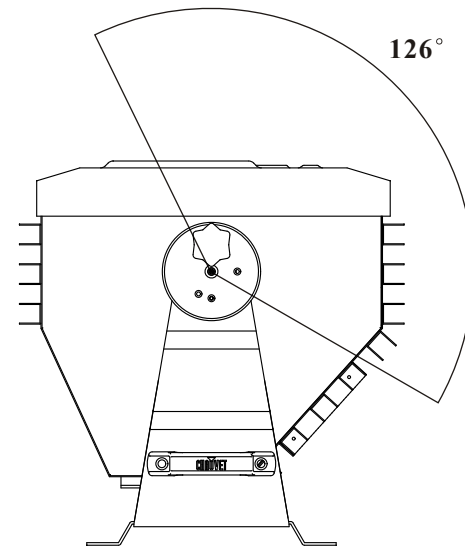
FRONT VIEW



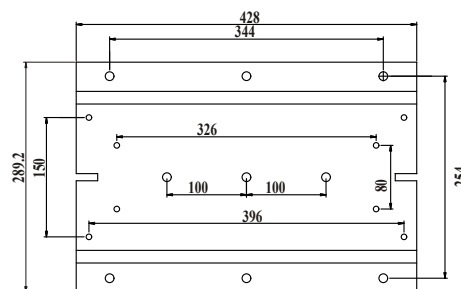
SIDE VIEW



VERTICAL VIEW



POSITION ANGLE



BASE

SECTION 2: INTRODUCTION

Congratulations on choosing our product! Please read all of this instruction manual carefully and keep it safe for future reference. This manual contains all the necessary information for safe installation and operation of this product.

This equipment is produced in accordance with CE standards and conforms to international standard DMX512. It can be operated in Master or Slave in phase control. This product is ideal for use with large architectural applications, entertainment, theatre, indoor or outdoor stages, etc.

On receiving this product, please carefully check that there has been no damage caused in transportation and that the following are enclosed:

Signal line ----- two pieces User Manual----- one copy

SECTION 3: SAFETY INSTRUCTIONS

Every person involved with installation and maintenance of this device must be qualified and follow the instructions of this manual


FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE OPERATION

CAUTION:

- **Keep this device away from rain and moisture!**
- **Unplug mains lead before opening the housing!**
- **Always operate the equipment as described in the user manual**
- **With a high voltage you can suffer a dangerous electric shock when touching the wires!**
- **This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes in this manual.**

IMPORTANT:

- **The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.**
- **Please consider that damages caused by manual modifications to the device are not subject to warranty.**
- **Never allow the power-cable to come into contact with other cables! Always handle the power-cable and all electrical wiring and connections particular caution!**
- **Make sure that the supplied voltage is not higher than stated on the rear panel.**
- **Always ensure that the power-plug is securely connected. Make sure that the power-switch is set to OFF-position before you connect the device to the mains. The power-**

- 
- plug and power-plug must be accessible after installing the device.
- Make sure that the power-cord is never cut or damaged by sharp edges. It is good practice to check the equipment and power-cable from time to time.
 - Never pull out the power-plug by tugging the power-cord.
 - This device falls under protection class I. Therefore it is essential to connect the yellow/green conductor to Earth.
 - Electrical connections, repairs and servicing must be carried out by a qualified professional.
 - Do not connect this device with a dimmer pack.
 - Do not switch the fixture on and off in short intervals as this will reduce the lamp's life.
 - During the initial start-up some smoke or smell may be given out. This is a normal process and does not necessarily mean that the device is defective.
 - Do not touch the device's housing with bare hands during its operation (housing becomes very hot)!
 - When replacing lamps and fuses, always use the same type and rating as specified in this user manual.

CAUTION :

AVOID EYE DAMAGE! POWERFUL LIGHT SOURCE!

SECTION 4: GETTING STARTED

- DO NOT turn on the equipment without the lamp.
- Prevent shaking. Avoid strong vibration when the equipment is installed.
- The minimum distance from the equipment to the illuminated object must be over 2 meters and over 0.5 meters from any combustible surface.
- Confirm the fixture is installed securely.
- Make sure the equipment is fixed and all the screws are fastened.
- The maximum operating temperature is 40 degrees Celsius.
- Before operating the equipment please make sure that you have cleared all functions. Lots of damage is caused by unprofessional operation.
- When the lamp is broken or the shape is changed by high temperature, please change the lamp.
- Please use the original packaging to transport the equipment.
- We cannot accept responsibility and the guarantee does not cover any damage caused by operation that is not in accordance with the user manual.

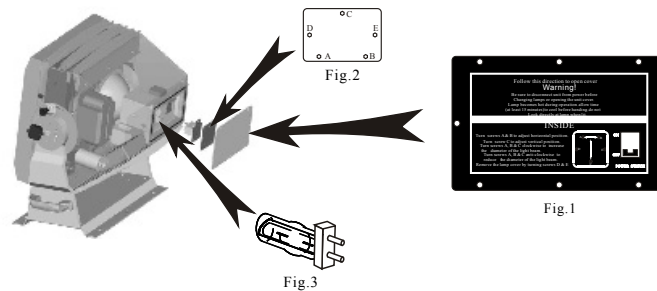
SECTION 5: LAMP REPLACEMENT

1. When replacing lamp always turn off the unit and disconnect the power
2. Remove the four screws from the lamp access plate (as shown in fig.1)
3. Remove the screws labeled D & E (as shown in fig.2)
4. Carefully remove the lamp holder
5. Remove the old /damaged lamp
6. Carefully insert the new lamp

WHEN REPLACING LAMP, DO NOT ALLOW YOUR HANDS TO COME INTO CONTACT WITH THE LAMP GLASS.

(If hands come into contact with the lamp, wipe clean with a dry cloth)

7. Replace the lamp holder with new lamp
8. Insert the screws D & E
9. Replace the lamp access plate and insert the four screws
10. Connect the power and test the new lamp



SECTION 6: SECURING THE FIXTURE

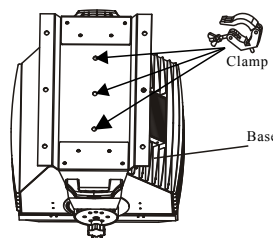
STANDING UPRIGHT

When standing upright this fixture can be permanently secured using the attachment holes that are in the base of the unit. Please be sure to always position the fixture on a solid surface that can withstand 10 times the weight of the unit.

TRUSS HANGING

When hanging the fixture from a truss, it is important that the truss can hold at least 10 times the weight of the fixture. There are three M10 attachment holes on the base of the fixture, these are used to attach 2/3 clamps to secure to the truss (NOTE: ALWAYS USE TWO OR MORE CLAMPS).

ALWAYS USE A SAFETY CABLE WHEN HANGING FIXTURE FROM A TRUSS



SECTION 7: POWER CONNECTIONS

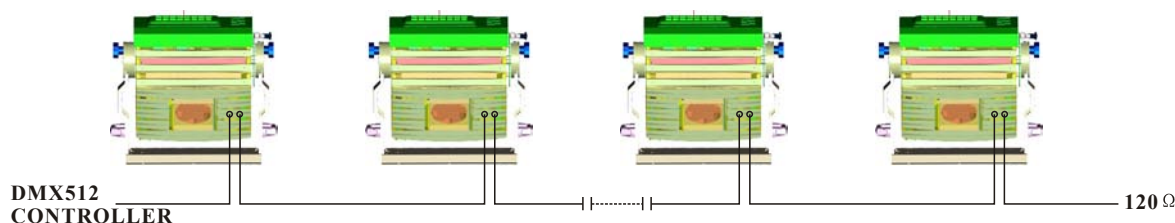
- Before operation of this fixture, please confirm that the supply voltage is the same as specified on this fixture.
- The earth wire must always be connected during operation of this unit.
- Wiring connections should be done correctly and in accordance with the standard in your local area.

COMMON WIRING CONNECTIONS

European Cable	American Cable	Cable Type	Current Marker
BROWN LIGHTBLUE YELLOW/ GREEN	BLACK WHITE GREEN	LIVE CABLE NATURAL CABLE EARTH CABLE	L N ⊕

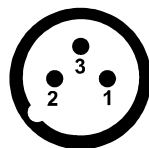
SECTION 8: DMX512 CONNECTIONS

Use control cable (XLR-XLR) from DMX512 controller's DMX output port and connect to the equipment's input port. Connect the first equipment's output port to the second equipment's input port. Uses the same method to connect the following equipment. On the output port of the last piece of equipment the circuit plug (found in the spare parts) must be connected.



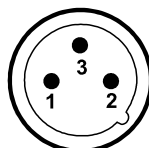
XLR Connection:

DMX-OUTPUT
XLR mounting-socket:



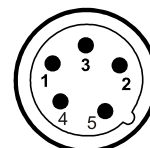
1- Ground
2- Signal (-)
3- Signal (+)

DMX-OUTPUT
XLR mounting-plug:



1- Ground
2- Signal (-)
3- Signal (+)

DMX-OUTPUT
5Pins canon(socket)

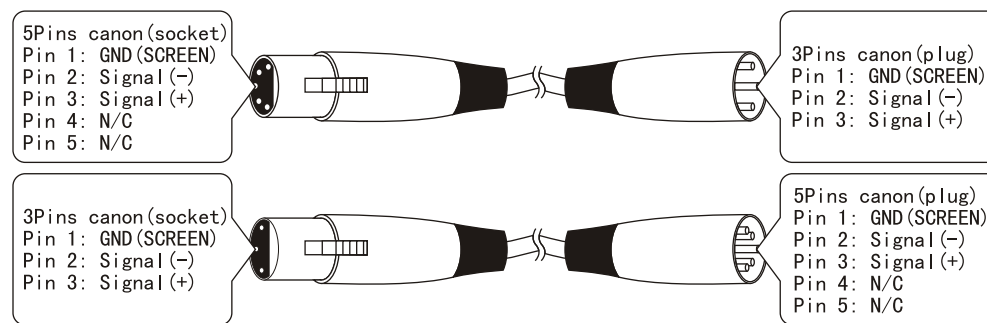


1- Ground
2- Signal (-)
3- Signal (+)
4 -N/C
5 -N/C

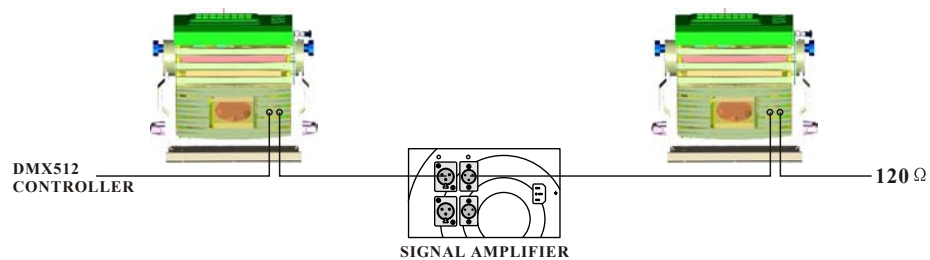
Attention:

- The last equipment 'sDMX signal output must be connected with a circuit plug.
- Connect one 120 Ohm resistor to the 3-pin plug's signal(-) and signal(+). Connect to the last equipment's output DMX signal port.
- If you use the standard DMX console, you can use the DMX signal cable connect the DMX console's output port to the first equipment's DMX input port. If you need connect the DMX512 console to XLR output port, you need a transform cable.

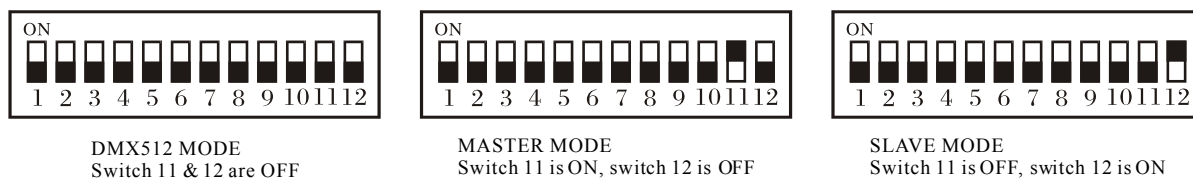
The transform of the controller line of 3 pins and 5 pins (plug and socket)



If the DMX512 signal cable is over 150m, it is recommended to use a signal amplifier to operate correctly. (when using audio or microphone cable a signal amplifier is needed for over 100m).



SECTION 9: CONTROL DIP SWITCH SETTINGS



When used with DMX512, the DMX ADDRESS is set using the first 10 DIP switches

LOOP	ADDR	BINARY	USAGE OF DIP SWITCH
1	1	1000000000	
2	7	1110000000	
3	13	1011000000	
4	19	1100100000	

MASTER AUTOMATIC DIPSWITCH SETTINGS

CHANNEL	FUNCTION
CH-00	White
CH-01	Red
CH-02	Orange
CH-03	Green
CH-04	Sky Blue
CH-05	Light Blue
CH-06	Blue
CH-07	Dark Blue
CH-08	Purple
CH-09	Rose Red
CH-10	Pink
CH 11-14	Red Orange Green Blue Light Blue Rose Red (Rapid Color Change: CH-11 = 5sec / CH-12 = 10sec / CH-13 = 30sec / CH-14 = 60sec)
CH 15-18	Red Orange Green Blue Light Blue Rose Red (Smooth Color Change: CH-15 = 5sec / CH-16 = 10sec / CH-17 = 30sec / CH-18 = 60sec)
CH 19-22	Red Orange Green Sky Blue Light Blue Dark Blue Purple Rose Red Pink (Rapid Color Change: CH-19 = 5sec / CH-20 = 10sec / CH-21 = 30sec / CH-22 = 60sec)
CH 23-26	Red Orange Green Sky Blue Light Blue Dark Blue Purple Rose Red Pink (Smooth Color Change: CH-23 = 5sec / CH-24 = 10sec / CH-25 = 30sec / CH-26 = 60sec)
CH 27-30	White Red Orange Green Blue Light Blue Rose Red (Rapid Color Change: CH-27 = 5sec / CH-28 = 10sec / CH-29 = 30sec / CH-30 = 60sec)
CH 31-34	White Red Orange Green Blue Light Blue Rose Red (Smooth Color Change: CH-31 = 5sec / CH-32 = 10sec / CH-33 = 30sec / CH-34 = 60sec)
CH 35-38	White Red Orange Green Sky Blue Light Blue Blue Blue Dark Blue Purple Rose Red Pink (Rapid Color Change: CH-35 = 5sec / CH-36 = 10sec / CH-37 = 30sec / CH-38 = 60sec)
CH 39-42	White Red Orange Green Sky Blue Light Blue Blue Blue Dark Blue Purple Rose Red Pink (Smooth Color Change: CH-39 = 5sec / CH-40 = 10sec / CH-41 = 30sec / CH-42 = 60sec)

SECTION 10: DMX512 MODE CHANNEL ASSIGNMENT

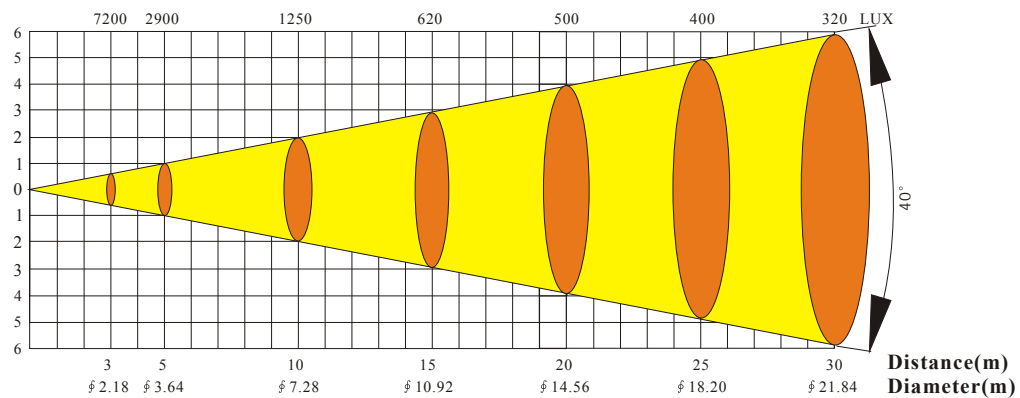
	Channel	Value	FUNCTION
1	CONTROL SPEED	0~255	CMY / DIMMER CONTROL SPEED (from fast to slow)
2	YELLOW FILTER	0~255	YELLOW (0-100%)
3	MAGENTA FILTER	0~255	MAGENTA (0-100%)
4	CYAN FILTER	0~255	CYAN (0-00%)
5	COLOR MACROS	0~255	Red Orange Green SkyBlue Light Blue Blue Dark Blue Purple Rose Red Pink
6	DIMMER	0~255	LINEAR DIMMER (0-100%)
7	ZOOM	0~255	LINEAR ZOOM (7° -40°)
8	AUTOMATIC	0~31	DMX512 CHANNEL 1-5 CONTROL
		32~38	Rapid Color Change: Red Yellow Green Blue Light Blue Rose Red (5sec)
		39~45	Rapid Color Change: Red Yellow Green Blue Light Blue Rose Red (10sec)
		46~52	Rapid Color Change: Red Yellow Green Blue Light Blue Rose Red (30sec)
		53~59	Rapid Color Change: Red Yellow Green Blue Light Blue Rose Red (60sec)
		60~66	Smooth Color Change: Red Yellow Green Blue Light Blue Rose Red (5sec)
		67~73	Smooth Color Change: Red Yellow Green Blue Light Blue Rose Red (10sec)
		74~80	Smooth Color Change: Red Yellow Green Blue Light Blue Rose Red (30sec)
		81~87	Smooth Color Change: Red Yellow Green Blue Light Blue Rose Red (60sec)
		88~94	Rapid Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (5sec)
		95~101	Rapid Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (10sec)
		102~108	Rapid Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (30sec)
		109~115	Rapid Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (60sec)
		116~122	Smooth Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (5sec)
		123~129	Smooth Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (10sec)
		130~136	Smooth Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (30sec)
		137~143	Smooth Color Change: Red Orange - Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (60sec)
		144~150	Rapid Color Change: White Red Yellow Green Blue Light Blue Rose Red (5sec)
		151~157	Rapid Color Change: White Red Yellow Green Blue Light Blue Rose Red (10sec)
		158~164	Rapid Color Change: White Red Yellow Green Blue Light Blue Rose Red (30sec)
		165~171	Rapid Color Change: White Red Yellow Green Blue Light Blue Rose Red (60sec)
		177~183	Smooth Color Change: White Red Yellow Green Blue Light Blue Rose Red (5sec)
		184~190	Smooth Color Change: White Red Yellow Green Blue Light Blue Rose Red (10sec)
		191~197	Smooth Color Change: White Red Yellow Green Blue Light Blue Rose Red (30sec)
		198~204	Smooth Color Change: White Red Yellow Green Blue Light Blue Rose Red (60sec)
		205~211	Rapid Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (5sec)
		212~218	Rapid Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (10sec)
		219~225	Rapid Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (30sec)
226~232	Rapid Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (60sec)		
233~239	Smooth Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (5sec)		
240~246	Smooth Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (10sec)		
247~253	Smooth Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (30sec)		
254~255	Smooth Color Change: White Red Orange Green Sky Blue Light Blue Blue Dark Blue Purple Rose Red Pink (60sec)		

SECTION 11: TECHNICAL SPECIFICATIONS

Voltage: AC 100-130V/200-250V...50/60Hz
 Working Current: 4.5A@230V, 9A@110V
 Power: 730W
 Lamp: MSR575/2
 Lamp Life: 1000hrs
 Lamp Color Temperature: 7200K
 DMX CHANNEL: 8
 Working Mode: DMX512, Automatic & MASTER/SLAVE
 Zoom: 7° - 40°
 CMY Color-mix System: CMY color-mixing with speed control
 DIMMER: 0-100% Linear Dimmer
 IP 54

SECTION 12: PHOTOMETRIC DATA

40° Beampath



7° Beampath

