Lumina Strip

USER MANUAL

Version 1.2 24-004-3557-00

Elation Professional · Los Angeles, Ca 90040-3402 · www.elationlighting.com

GENERAL INSTRUCTIONS

Thanks for your purchasing Lumina Strip lighting equipment, which is available in Warm White (WW) version. The Lumina Strip is compatible of both DMX & RDM and with 10 channel LED intensity adjustable. Programs can be updated via RDM interface. It is available in master and slave control connection. It is easy for users to install and operate.

For the optimum operation and best performance, please read the instruction in this manual carefully and thoroughly.

WARNINGS

- To protect against high electric shock and injury to person, **DO NOT** open or dismantle the unit.

- After use, the front panel is extreme hot. Please wait at least 15 min. for absolute cool before touching it. Otherwise, it causes the result of burning.

- **NEVER** try to repair the unit yourself. Repair by unqualified people could cause damage or mis-operation.

- This device is not suitable for direct mounting on normally flammable surfaces. To keep a minimum 0.2m safety distance to any flammable materials.

- **DO NOT** make any inflammable liquids, water or metal objects enter the unit.

- This unit contains no user serviceable parts inside. This unit contains dangerous voltages, always remove the power plug from the wall socket before any service operation and when not in use for a long time.

- Earth connection is so essential.

- Stop using the unit immediately in the event of serious operation problems and either contact your local dealer for a check or contact us directly.

PHYSICAL DIMENSIONS
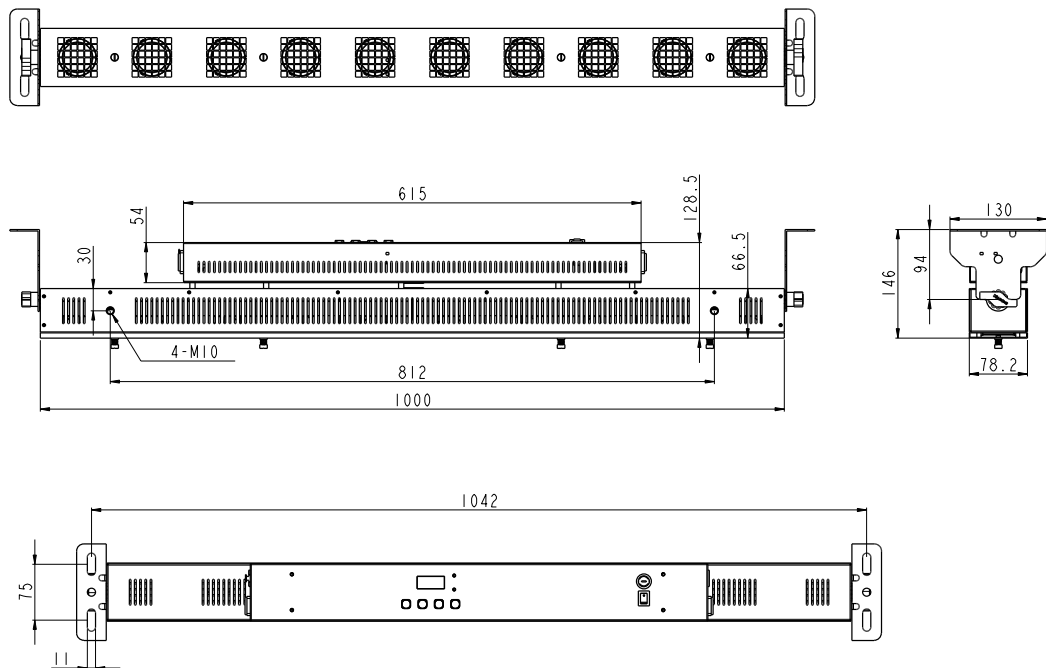
Accessories(Included):

1. The unit power cable (1pcs)
2. Wing screw(2pcs) + Grommet(2pcs) + Washer(2pcs)
3. Mounting Assemble(2pcs)

MAIN FEATURES

- 07, 08, 10,11, 16 DMX Channels selection
- Standard DMX 5-pin In/Out
- 16 built-in programs except for Auto & Full subject to Speed and Dimmer
- 0-100% dimming level
- Standard DMX-512 protocol
- 01 Thru 100 Chase Speed adjustment
- Power failure memory
- LED display window-shows current activity and function state
- On/Off switch
- Fuse protection

INSTALLATION

Before use, make sure whether four screws are secured firmly, if not, please secure them with the screwdriver, loose 4 screws for lamp replacement.
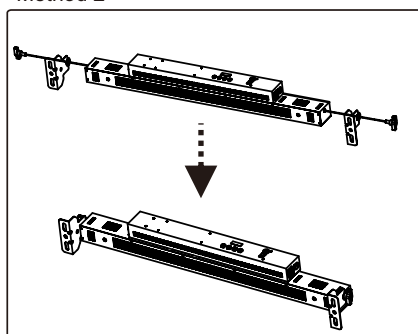
The unit has also been designed to hold up as user's desire. So you can fix the unit on the holder by the wing screw. They are placed in the accessory bag, included.

The following installation diagrams are for user reference.

Method 1
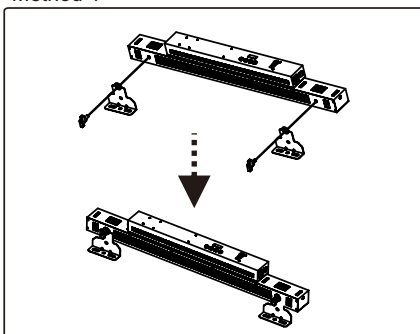
Method 2

Note :
Once this unit is for hanging application, it is required to use a safety rope (sold separately, which can hold at least 10 times the weight of the fixture) to ensure the mounting safety of the fixture by attached through the holder.

Power:

Before plugging your unit in, be sure the resource voltage in your area matches the unit required voltage. The unit is available in a 230V version only. Because the line voltage may vary from venue to venue, you should be sure to plug the socket into a matching wall outlet before attempting to operate your unit.

Fuses:

The Lumina Strip electric system is protected by T3.15A 250V 5*20mm. Please see the printing on the case and these fuses prevent you from overloading damaging your unit. To replace the protective fuse, use a flat head screwdriver to unscrew the fuse holder. Pull out the old fuse and replace it with a new one. Insert the fuse back into the slot and tighten. Always replace with exact same type fuse removed unless otherwise specified by an authorized service technician,
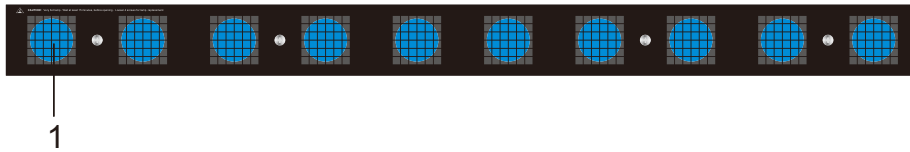
SYSTEM CONNECTION

Maximum amount of this units that may be connected is 16pcs(AC100-120V) or 32pcs(220-240V). One universe DMX can drive up to 32 pcs of Lumina Strip, please add DMX booster if Lumina Strip are connected together in line over 32 pcs or data cable over 100M. The connections may be illuminated as following.
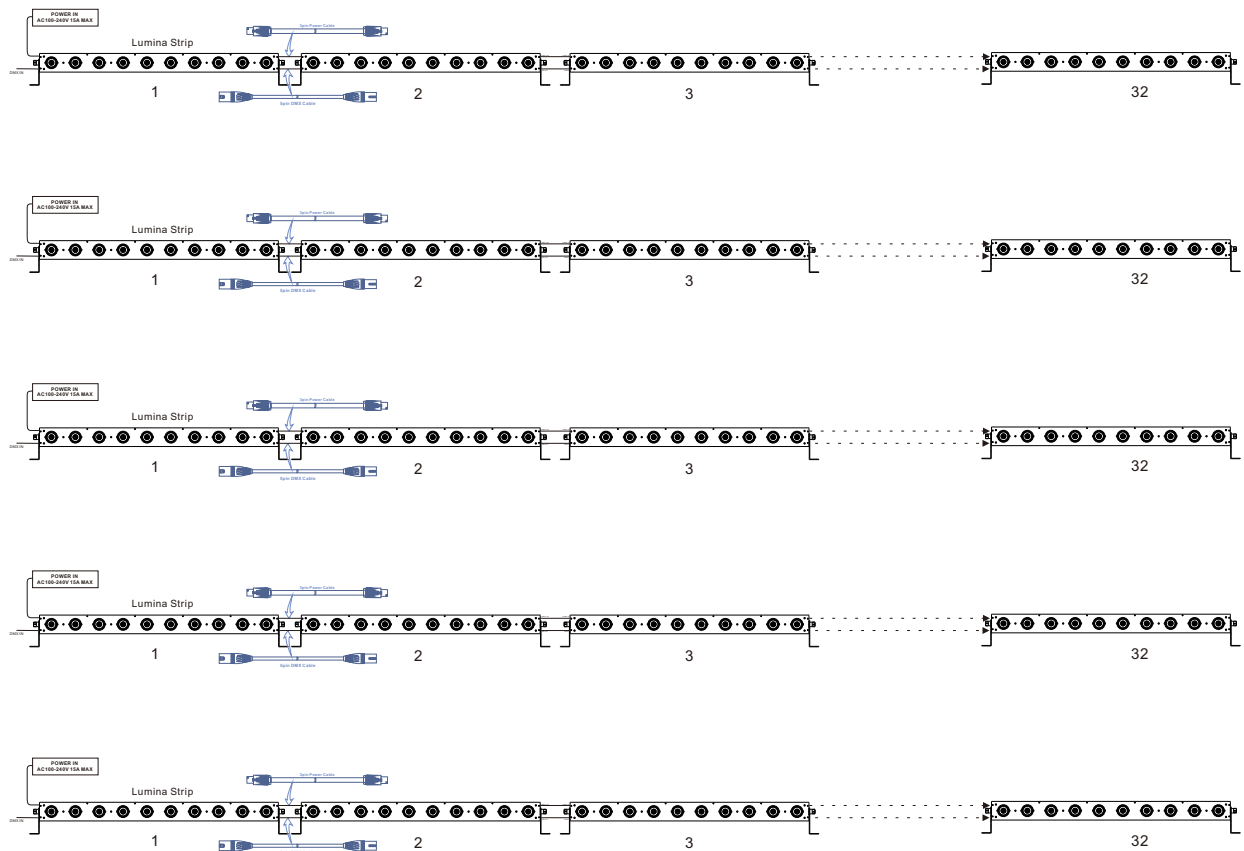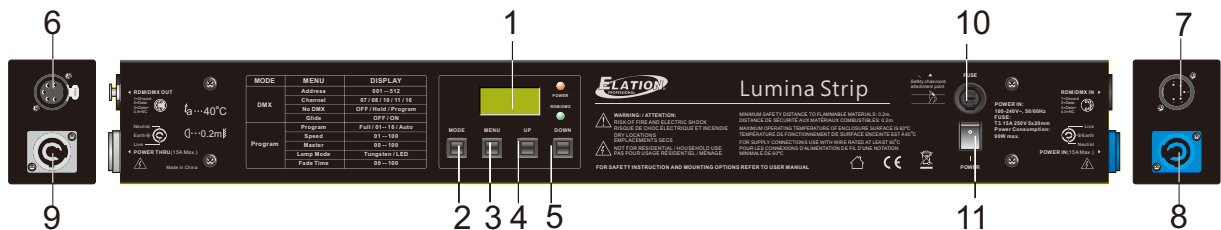
Layout Overview

Front Panel Overview

1

1. Lamp: Totally 10 LEDs* Warm White, 7W

Rear Panel Overview

6   1   10   7

9   2 3 4 5   11   8

1. LCD Display

   This multi-function display will detail all DMX Address, Chase , Program, Speed activity that pertains to the current operation mode of the unit.

2. Mode button

   This button will call up the unit operation mode between DMX and Chase mode.

3. Menu button

   This button will active the different functions in Receive and Chase modes.

Note: In the Chase mode, Menu key is used to only activate Chase Dimmer, Chase Program, Chase Speed, Fade Time and Lamp Mode. While in the " Receive " mode, only used to only select DMX Address, Channel.

4. UP button

   This button will increase the displayed value in the LED display.

5. Down Key

   This button will decrease the displayed value in the LED display.

6. DMX Out

   This connector sends your DMX signal through to the next unit.

7. DMX In

   This connector accepts your DMX input signal.

8. Power Input:

   AC100-240V~50/60Hz, Max15A. The supply power is input into your unit via this connector. Be sure to always connect to proper voltage.

9. Power Thru:

   AC100-240V~50/60Hz, Max15A. This connector sends the supply power to the next unit.

10. Fuse:

    F3.15A 250V 5*20mm. These fuses prevent you from overloading damaging your unit. Be sure to always replace with the exact same type fuse.

11. Power Switch:

    Turn on/off the power supply.

LCD Display / Menu System

LCD Display

POWER
RDM/DMX

Power indicator

RDM/DMX indicator

MODE   MENU   UP   DOWN

Mode Key

Down Key

Menu Key   Up Key
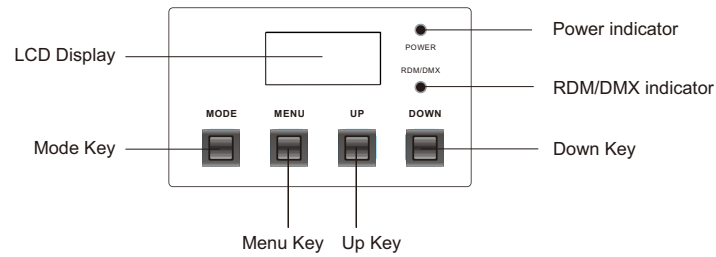
Lumina Matrix LED Menu Tree

DMX		Address		001--512
		Channel		7/8Bit
				8/8Bit
				10/8Bit
				11/8Bit
				16/8Bit
				8/16Bit
				10/16Bit
				16/16Bit
				26/16Bit
		No DMX		OFF/Hold/Program
		Dim Mode		Standard
				Stage
				TV
				Architectural
				Theatre
		Output		R-->L
				L-->R
PROGRAM		Program		Full/01--16/Auto
		Speed		01---100
		FadeTime		00-100
		Master		00-100
MANUAL		ALL		00-100
		LED1		00-100
		LED2		00-100
		LED3		00-100
		LED4		00-100
		LED5		00-100
		LED6		00-100
		LED7		00-100
		LED8		00-100
		LED9		00-100
		LED10		00-100

OPERATION MODES

The "Lumina Strip" has two different operation modes. It can be used as a 07, 08, 10,11, 16 channel DMX dimmer. Tap "Mode" button to switch the operation mode between "Receive Mode" and "Chase Mode". Please follow illustrations below to operate the unit in your desired mode.

Mode	Parameter	Parameter Value	Function
DMX	Address	001-512	To set the initial DMX receiving address
	Channel	07/08/10/11/16	To set the DMX Control Mode
	No DMX	OFF/Hold/Program	To set the status of the fixture when DMX signal is input
	Glide	OFF/ON	To set the output of the DMX Data
Program	Program	Full/01--16/AUTO	To select a built-in program
	Speed	01-100	To set the speed level of the built-in Program
	Master	00-100	To set the intensity
	Lamp Mode	Tungsten/LED	To set the mode of Lamp
	Fade Time	00-100	To set the speed of the Fadetime

DMX Mode

Use this operation mode only when you are about to use the unit as a DMX dimmer. This function can allow you set your unit dimmer function as a 07, 08, 10,11 or 16 channel DMX dimmer and DMX address. Tap "Mode" button to switch the operation mode between "DMX" and "Program".

SA-10 LED DMX Map

DMX Channel	26/16Bit	16/16Bit	10/16Bit	8/16Bit	16/8bit	11/8Bit	10/Bit	8/8Bit	7/8Bit
1	LED1(16bit)	LED1&2(16bit)	LED1&5(16bit)	LED1&10(16bit)	LED 1	LED 1&2	LED 1	LED 1&5	LED 1&10
2	LED1(16bit Fine)	LED1&2(16bit Fine)	LED1&5(16bit Fine)	LED1&10(16bit Fine)	LED 2	LED 3&4	LED 2	LED 6&10	Master (16bit)
3	LED2(16bit)	LED3&4(16bit)	LED6&10(16bit)	Master (16bit)	LED 3	LED 5&6	LED 3	Master (16bit)	Master (16bit Fine)
4	LED2(16bit Fine)	LED3&4(16bit Fine)	LED6&10(16bit Fine)	Master (16bit Fine)	LED 4	LED 7&8	LED 4	Master (16bit Fine)	Program
5	LED3(16bit)	LED5&6(16bit)	Master (16bit)	Program	LED 5	LED 9&10	LED 5	Program	Program Speed
6	LED3(16bit Fine)	LED5&6(16bit Fine)	Master (16bit Fine)	Program Speed	LED 6	Master (16bit)	LED 6	Program Speed	Program FadeTime
7	LED4(16bit)	LED7&8(16bit)	Program	Program FadeTime	LED 7	Master (16bit Fine)	LED 7	Program FadeTime	Dim Mode
8	LED4(16bit Fine)	LED7&8(16bit Fine)	Program Speed	Dim Mode	LED 8	Program	LED 8	Dim Mode	
9	LED5(16bit)	LED9&10(16bit)	Program FadeTime		LED 9	Program Speed	LED 9		
10	LED5(16bit Fine)	LED9&10(16bit Fine)	Dim Mode		LED 10	Program FadeTime	LED 10		
11	LED6(16bit)	Master (16bit)			Master (16bit)	Dim Mode			
12	LED6(16bit Fine)	Master (16bit Fine)			Master (16bit Fine)				
13	LED7(16bit)	Program			Program				
14	LED7(16bit Fine)	Program Speed			Program Speed				
15	LED8(16bit)	Program FadeTime			Program FadeTime				
16	LED8(16bit Fine)	Dim Mode			Dim Mode				
17	LED9(16bit)								
18	LED9(16bit Fine)								
19	LED10(16bit)								
20	LED10(16bit Fine)								
21	Master (16bit)								
22	Master (16bit Fine)								
23	Program								
24	Program Speed								
25	Program FadeTime								
26	Dim Mode								

DMX Channel Details

8 Bit

7 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	
LED 1-10	Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
0-255 (dim→ bright)	0-255 (dim→ bright)	16-bit 0-255 (dim→ bright)	0-255	0-255 (Slow→ Fast)	0-255 (Less→ More)	Standard(dr 1)	0-20
						Stage (dr 2)	21-40
						TV (dr 3)	41-60
						Architectural (dr 4)	61-80
						Theatre(dr 5)	81-100
						Default to Unit Setting	101-255

8 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	
LED 1-5	LED 6-10	Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
0-255 (dim→ bright	0-255 (dim→ bright	0-255 (dim→ bright	0-255 (dim→ bright	0-255	0-255 (Slow→ Fast	0-255 Less→ More	Standard (dr 1)	0-20
							Stage (dr 2)	21-40
							TV (dr 3)	41-60
							Architectural (dr 4)	61-80
							Theatre(dr 5)	81-100
							Default to Unit Setting	101-255

10 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
LED1	LED2	LED3	LED4	LED5	LED6	LED7	LED8	LED9	LED10
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)

11 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	
LED1&2	LED3&4	LED5&6	LED7&8	LED9&10	Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	16-bit 0-255 (dim→ bright)	0-255	0-255 (Slow→ Fast)	0-255 Less→ More)	Standard (dr 1)	0-20
										Stage (dr 2)	21-40
										TV (dr 3)	41-60
										Architectural (dr 4)	61-80
										Theatre (dr 5)	81-100
										Default to Unit Setting	101-255

16 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10
LED1	LED2	LED3	LED4	LED5	LED6	LED7	LED8	LED9	LED10
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)

CH11	CH12	CH13	CH14	CH15	CH16	
Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
0-255 (dim→ bright)	16it 0-255 (dim→ bright)	0-255	0-255 (Slow→ Fast)	0-255 Less→ More)	Standard (dr 1)	0-20
					Stage (dr 2)	21-40
					TV (dr 3)	41-60
					Architectural (dr 4)	61-80
					Theatre (dr 5)	81-100
					Default to Unit Setting	101-255

16 Bit

8 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	
LED 1&10 (16bit)	LED 1&10 (16bitine)	Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	16-bit 0-255 (dim→ bright)	0-255	0-255 (Slow→ Fast)	0-255 Less→ More)	Standard (dr 1)	0-20
							Stage (dr 2)	21-40
							TV (dr 3)	41-60
							Architectural (dr 4)	61-80
							Theatre (dr 5)	81-100
							Default to Unit Setting	101-255

10 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	
LED1&5 (16bit)	LED1&5 (16bitine)	LED6&10 (16bit)	LED6&10 (16bitine)	Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
					16-bit				Standard (dr 1)	0-20
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255	0-255 (Slow→ Fast)	0-255 Less→ More)	Stage (dr 2)	21-40
									TV (dr 3)	41-60
									Architectural (dr 4)	61-80
									Theatre (dr 5)	81-100
									Default to Unit Setting	101-255

16 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16	
LED1&2 (16bit)	LED1&2 (16bitine)	LED3&4 (16bit)	LED3&4 (16bitine)	LED5&6 (16bit)	LED5&6 (16bitine)	LED7&8 (16bit)	LED7&8 (16bitine)	LED9&10 (16bit)	LED9&10 (16bitine)	Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
											16-bit				Standard (dr 1)	0-20
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255	0-255 (Slow→ Fast)	0-255 Less→ More)	Stage (dr 2)	21-40
															TV (dr 3)	41-60
															Architectural (dr 4)	61-80
															Theatre (dr 5)	81-100
															Default to Unit Setting	101-255

26 Channel Configuration

CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9	CH10	CH11	CH12	CH13	CH14	CH15	CH16
LED1 (16bit)	LED1 (16bit Fine)	LED2 (16bit)	LED2 (16bit Fine)	LED3 (16bit)	LED3 (16bit Fine)	LED4 (16bit)	LED4 (16bit Fine)	LED5 (16bit)	LED5 (16bit Fine)	LED6 (16bit)	LED6 (16bit Fine)	LED7 (16bit)	LED7 (16bit Fine)	LED8 (16bit)	LED8 (16bit Fine)
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)

CH17	CH18	CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	
LED9 (16bit)	LED9 (16bit Fine)	LED10 (16bit)	LED10 (16bit Fine)	Master Dimmer	Master Dim Fine	Programs	Program Speed	Program Fade	Dim Mode	
					16it				Standard (dr 1)	0-20
0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255 (dim→ bright)	0-255	0-255 (Slow→ Fast)	0-255 Less→ More)	Stage (dr 2)	21-40
									TV (dr 3)	41-60
									Architectural (dr 4)	61-80
									Theatre (dr 5)	81-100
									Default to Unit Setting	101-255

DIM MODES
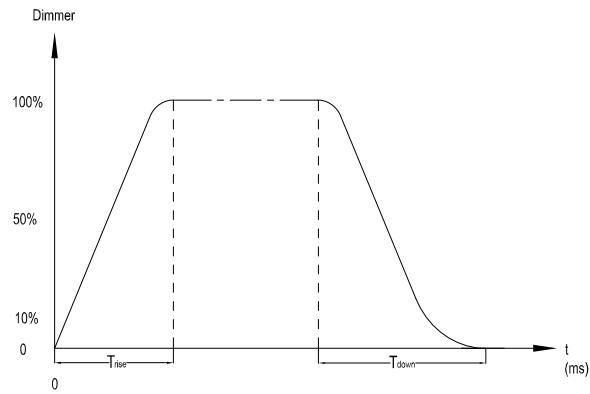
Ramp Effect	0S (Fade Time)		1S (Fade Time)	
	T_{rise} (ms)	T_{down} (ms)	T_{rise} (ms)	T_{down} (ms)
Standard	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280

Program Mode:

Use the operation mode only when you are about to use your unit as a channel chaser among of the 07, 08, 10, 11,16 channel chasers. The unit has 16 built-in programs except for Auto and Full. Of course, you can select any of these programs to chase for a more dramatic lighting show, and you can also control the speed at which the set programs will be chased.

1. **Setting your desired Chase Program:**

   Once you have activated the Chase Mode, you can tap the "MENU" button to select and activate "Chase Program" menu. The chase pattern is displayed in the LCD by "Program " followed by two digits 01~16 or only "AUTO"& "FULL" appears. You can tap "UP" and "DOWN" button to select any of them to run at a single time.
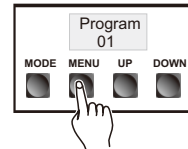
   Selecting any program of Program01-16 will activate the selected program; while selecting "Auto" will automatically play the built-in 16 chase programs. When select "Full" menu, all the LEDs will keep lighting.
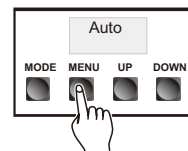
2. **Chase Speed Menu:**

   Press "MENU' button to select and activate "Chase Speed" menu. In this menu, you can adjust the program chase speed.

   Use the "UP " and "DOWN" buttons to adjust the chase speed from 001 thru 100. A set value of 100 will give you the fastest chase speed(approx.1/10th of a second) . While a set value of 001 will give you the slowest chase speed (once every 30 second.).
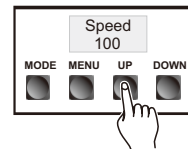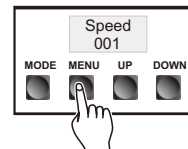
3. **Master (Intensity) Menu:**

   To adjust the output intensity, you must activate the Chase Dimmer Menu as the previous step. Press "MENU" button and select "Chase Dimmer" menu, the LCD will display "Dimmer" followed by three digits.

   Use the "UP" and "DOWN " buttons to adjust the light output intensity between 000 ~ 100. A set value of 000 will give you the weakest output intensity and a set value of 100 will give you the full intensity.
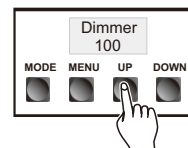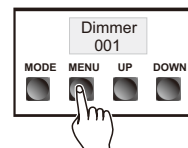
4. **Lamp Mode Menu:**
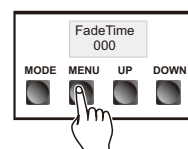
   Press "MENU" button and select "Lamp Mode" menu, the LCD will display "LampMode Tungdten", user can press "UP" or "DOWN" button to switch to "LampMode LED" menu.
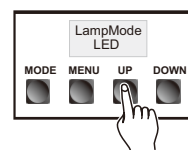
5. **Fade Time Menu:**

   Press "MENU" button and select "Fade Time" menu, the LCD will display "FadeTime" followed by three digits, user can press "UP" or "DOWN" button set the desired Fade time value from 000 to 100.

Lumina Strip RDM Parameter IDs

The following tables outline and describe all the RDM parameters IDs associated with Lumina Strip.

Table 1: Lumina Strip RDM Parameter IDs

<table>
<tr><td colspan="7">Lumina Strip</td></tr>
<tr><td colspan="7">UID</td></tr>
<tr><td colspan="2">MSB of ESTA
50H</td><td colspan="2">LSB of ESTA
41H</td><td>MSB of
01H</td><td>LSB of
01H</td><td>MSB of
Unique Seq.</td><td>LSB of
Unique Seq.</td></tr>
</table>

Model ID		0x7000	**Product Category**		0x0509
Manufacturer		*Elation lighting*			
Model Description		*Lumina Strip LED Light*			

Supported PIDs					
Get Allowed	**SET Allowed**	**RDM Parameter ID's**	**Value**	**Comment**	**Implemented**
Category – Network Management					
		DISC_UNIQUE_BRANCH	0x0001		✓
		DISC_MUTE	0x0002		✓
		DISC_UN_MUTE	0x0003		✓
✓		PROXIED_DEVICES	0x0010		
✓		PROXIED_DEVICE_COUNT	0x0011		
✓	✓	COMMS_STATUS	0x0015		
Category - Status Collection					
✓		QUEUED_MESSAGE	0x0020		✓
✓		STATUS_MESSAGES	0x0030		✓
✓		STATUS_ID_DESCRIPTION	0x0031		✓
	✓	CLEAR_STATUS_ID	0x0032		✓
✓	✓	SUB_DEVICE_STATUS_REPORT_THRESHOLD	0x0033		
Category - RDM Information					
✓		SUPPORTED_PARAMETERS	0x0050	* Support required only if supporting Parameters beyond the minimum required set.	✓
✓		PARAMETER_DESCRIPTION	0x0051	- Support required for Manufacturer-Specific PIDs exposed in SUPPORTED_ PARAMETERS message.	✓
Category – Product Information					
✓		DEVICE_INFO	0x0060		✓
✓		PRODUCT_DETAIL_ID_LIST	0x0070		
✓		DEVICE_MODEL_DESCRIPTION	0x0080		✓
✓		MANUFACTURER_LABEL	0x0081		✓
✓	✓	DEVICE_LABEL	0x0082		✓
✓	✓	FACTORY_DEFAULTS	0x0090		
✓		LANGUAGE_CAPABILITIES	0x00A0		
✓	✓	LANGUAGE	0x00B0		
✓		SOFTWARE_VERSION_LABEL	0x00C0		✓
✓		BOOT_SOFTWARE_VERSION_ID	0x00C1		
✓		BOOT_SOFTWARE_VERSION_LABEL	0x00C2		

Channel Parameter details：

| Parameters	Functions
Dimmer	DMX value 0－－－100% equal to intensity 0－－－100%
Program	DMX 0 －－7 for local DMX Dimmer Mode
	DMX 8 －－15 Full
	DMX 16 －－23 Program1
	DMX 24 －－31 Program2
	DMX 32 －－39 Program3
	…
	DMX 136 －－143 Program16
	DMX 144 －－255 Auto
Speed	The bigger DMX value is, the faster the Programe runs
FadeTime	DMX value 0－－－100% equals to FadeTime 0－－－100%
LampMode	DMX 0 －－ 127 for choosing the work mode of the LED
	DMX 128－－255 for choosing Tungsten
Play Mode	DMX 0－－80 to stop the Program
	DMX 81 －－160 to pause the Program
	DMX 161－－255 to play the Program
Master	DMX value 0－－－100% equals to Program intensity 0－－－100%

1. **Selecting DMX Address**

Press "MENU" button and select DMX channel address menu after having activated the Receive Mode. The DMX Address Mode is indicated by "Address" followed by three digits 001~ 512. You can tap the "UP" and "DOWN" buttons to change the DMX Address Value.

```
Address
  001
MODE  MENU  UP  DOWN
```
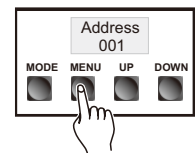
Note: There is no DMX input in the master unit of the connection.

2. **Selecting the DMX Channel**

Press "MENU" button and select Channel Mode. The Channel Mode is indicated by "Channel" followed by two digits 07,08, 10, 11,16. You can tap the "UP" and "DOWN" buttons to change the setting from 07, 08, 10,11 or 16 which you wish to run.

```
Channel
  01
MODE  MENU  UP  DOWN
```
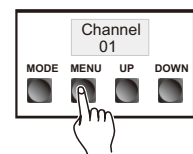
NOTE:

1. When CH:07 is displayed, overall channels will be controlled by one DMX channel.

2. When CH:08 is displayed, channel 1 and 2 will be controlled by one DMX channel, channel3 and 4 will be controlled by one DMX channel, and so forth, channel 9 and 10 will be controlled by another .

3. When CH:10 is displayed, channel1~10 will control an individual LED fixture.

4. When CH:11 is displayed, each channel will be controlled by one DMX channel. This is the factory default setting.

5. When CH:16 is displayed, 1-10 will control the LED, and the 11-16 will control to run a special program.

Table 1: Lumina Strip RDM Parameter IDs

Get Allowed	SET Allowed	RDM Parameter ID's	Value	Comment	Implemented
		Category - DMX512 Setup			
✓	✓	DMX_PERSONALITY	0x00E0		✓
✓		DMX_PERSONALITY_DESCRIPTION	0x00E1		✓
✓	✓	DMX_START_ADDRESS	0x00F0	* Required if device uses a DMX Slot	✓
✓		SLOT_INFO	0x0120		✓
✓		SLOT_DESCRIPTION	0x0121		✓
✓		DEFAULT_SLOT_VALUE	0x0122		
		Category – Sensors 0x02xx			
✓		SENSOR_DEFINITION	0x0200		
✓	✓	SENSOR_VALUE	0x0201		
	✓	RECORD_SENSORS	0x0202		
		Category – Dimmer Settings 0x03xx Future			
		Category – Power/Lamp Settings 0x04xx			
✓	✓	DEVICE_HOURS	0x0400		
✓	✓	LAMP_HOURS	0x0401		
✓	✓	LAMP_STRIKES	0x0402		
✓	✓	LAMP_STATE	0x0403		
✓	✓	LAMP_ON_MODE	0x0404		
✓	✓	DEVICE_POWER_CYCLES	0x0405		
		Category - Display Settings 0x05xx			
✓	✓	DISPLAY_INVERT	0x0500		
✓	✓	DISPLAY_LEVEL	0x0501		
		Category – Configuration 0x06xx			
✓	✓	PAN_INVERT	0x0600		
✓	✓	TILT_INVERT	0x0601		
✓	✓	PAN_TILT_SWAP	0x0602		
✓	✓	REAL_TIME_CLOCK	0x0603		
		Category – Control 0x10xx			
✓	✓	IDENTIFY_DEVICE	0x1000		✓
	✓	RESET_DEVICE	0x1001		
✓	✓	POWER_STATE	0x1010		
✓	✓	PERFORM_SELFTEST	0x1020		
✓		SELF_TEST_DESCRIPTION	0x1021		
	✓	CAPTURE_PRESET	0x1030		
✓	✓	PRESET_PLAYBACK	0x1031		

Table 2: Lumina Strip Manufacturer Status IDs

| Manufacturer Defined Status IDs				
Manufacturer Specific messages are in the range of 0x8000 —0xFFDF. Each Manufacturer-specific Status ID shall have a unique meaning, which shall be consistent across all products having a given Manufacturer ID. See Table B-2, ANSI E1.20-2010				
Status Message ID	**Value**	**Data Value 1**	**Data Value 2**	**Status ID Description**
8100H		00H	00H	ALL OK

Table 3: Lumina Strip Manufacturer Specific PIDs

| Manufacturer Specific PIDs										
Manufacturer Defind PIDs range is 0x8000-0xffdf. See Table A-3, ANSI E1.20-2010										
Get Allowed	SET Allowed	RDM Parameter Id's	TYPE	LENGTH	UNIT	PREFIX	MIN	MAX	DEFAULT	DESCRIPTION
✓	✓	8A08H	U8	1	NONE	NONE	0	18	1	chase program
✓	✓	8A09H	U8	1	NONE	NONE	1	99	1	chase speed
✓	✓	8A01H	U8	1	NONE	NONE	0	1	1	chase dimmer
✓	✓	8A42H	U8	1	NONE	NONE	1	2	1	lamp mode
✓	✓	8A0BH	U8	1	NONE	NONE	0	100	0	fade time percent

PROGRAM UPDATE

Programs of this device can be updated via the RDM interface with proper tool named SC-NODE and RDM Program Tool. Connect the Lumina Strip to the output terminal of the SC-NODE then connect the SC-NODE to the PC, run the TCP/IP setting, see the following figures for details.
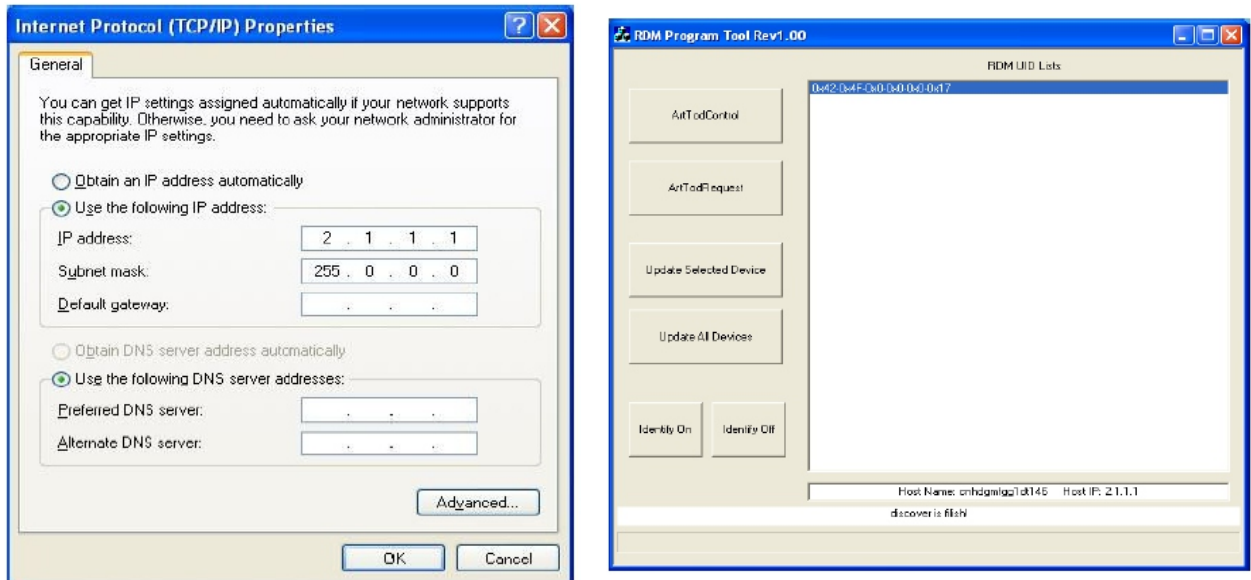
After the TCP/IP is set, run the RDM_Program_Tool.exe software, the tool will search RDM devices automatically for the first time, user may also search devices via ArtTod Control command.

When the software searched a RDM device, the RDM UID will be listed in the "RDM UID Lists". Select the listing RDM UID, then press "Update Selected Device" command to upload the desired updating program, press "open" command to start updating. After finishing updating, the software will start to search device once again, and showing "update successful!", means program updating completed.
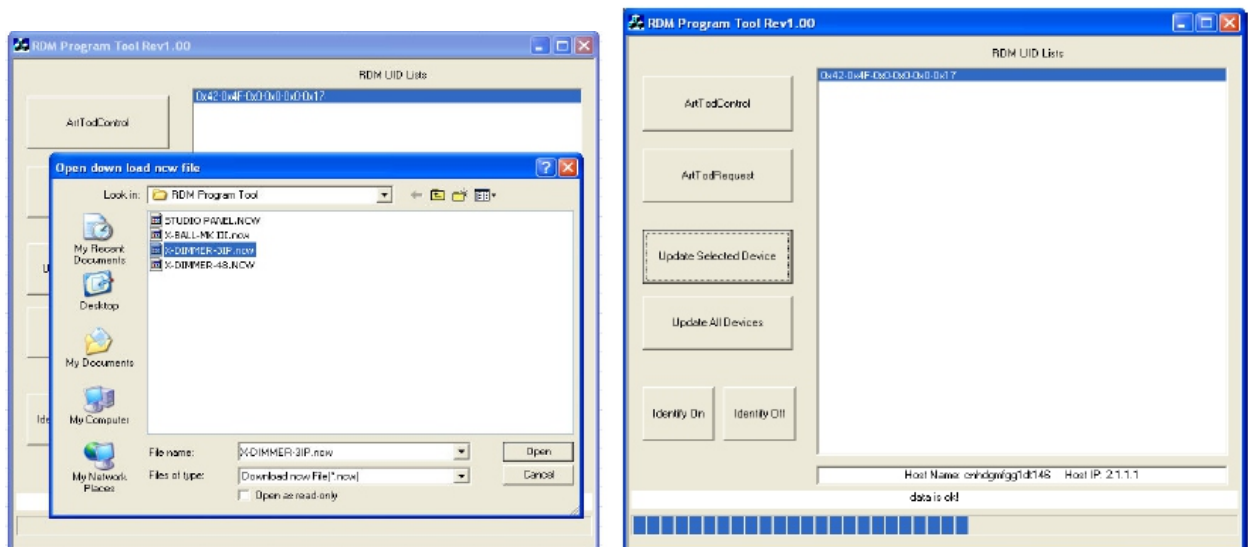
TECHNICAL SPECIFICATIONS

Power Thru/Input	AC100~240V,50/60Hz
IP Rating	IP20
Power Consumption	90W
Weight	6.3Kg
Fuse	T3.15A 250V 5*20mm
Dimension	1040(L)*130(W)*140(H)mm.

Please note: Specifications and improvements in the design of this product and this manual are subject to change without any prior notice.

Explanation For The Label

Indicating that the ambient temperature should not be above 40 degrees.

Minimum safety distance to lighted object: 0.2m.

SPECIAL NOTE

This fixture can be easily mounted with the provided mount assemble, meanwhile a safety rope(sold separately) is always required to ensure the mounting safety of the fixture by attached and fastened through safety chain /cord attachment point. This safety rope can hold at least 10 times the weight of the fixture and with a screw on it.

Safety chain/cord attachment point

Mount Assemble

Safety Rope

Mount Assemble