



SCENOLUMINOSO
LED LIGHTS ARTISTS

MILANO | ROMA | NAPOLI

VAT: IT09819051211

info@scenoluminoso.it

www.scenoluminoso.it



Informazioni

Quinte in panno oscurante con 256 Led

Dimensioni:

- 3 x h 10 m

Voltaggio:

- 85-132 VAC / 176-264 VAC

Potenza:

- 50 W

Segnale di controllo:

- Standard DMX 512
- Mode 1: 7 dmx channel
- Mode 2 : 28 dmx channel

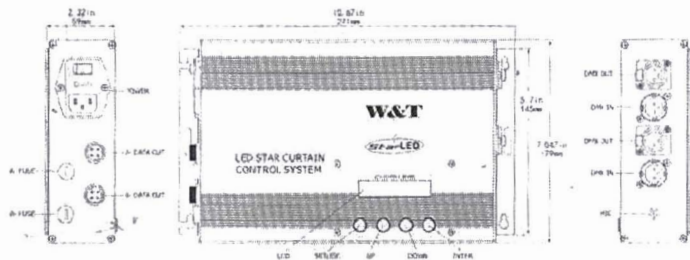
Colori:

- RGB

Peso di un telo 3 x 10h:

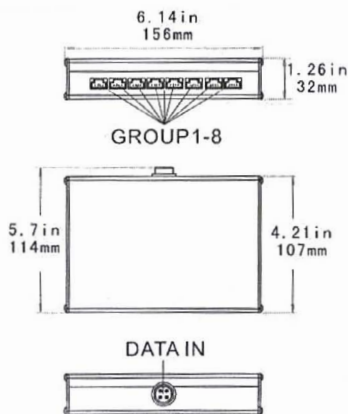
- 30 kg



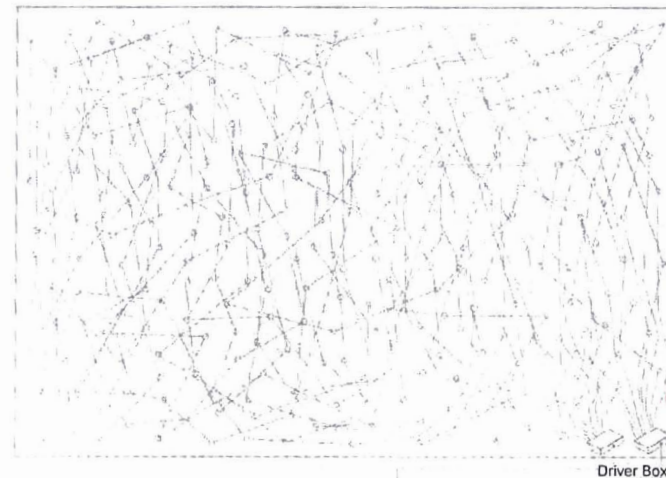


Driver Box

The driver box has 8 data input ports which connect to each of the LED groups in the curtain.



Whole system overview:



Data Cable



Controller Box

CONTROLLER SETUP

Power Supply

Before plugging the fixtures in, make sure that the source voltage in your area matches the required voltage for your fixtures. You should be sure that your fixture voltage matches the wall outlet voltage before attempting to operate your fixtures. Incorrect voltage input might damage the fixture seriously.

The power supply is assembled in the StarLED controller box. It matched 85~132VAC, 1761264VAC. Input viltage has been set up properly for your area before shipment.



PRODUCT OVERVIEW

Description

This product is a RGB Tri-color LED star curtain system. It features 256 pcs super bright $\phi 5$ RGB 3-in-1 LEDs. LEDs are scattered randomly on a 6X4M drape to make real star sky effects.

The LED star curtain has its own control system - one controller box StarLED and one driver box. StarLED is a controller to operate the whole system. StarLED controller has a two-row LCD display from which users can configure the system easily. StarLED controller has 2 data output ports.

StarLED has 3-pin and 5-pin XLR DMX input and output ports. There two drive boxes which are put inside the cloth, each box drives 8 groups LED lamps in the curtain. each group with 16 pcs RGB LED lamps. So totally there are 256 pcs LED each curtain.

This LED star curtain system has multiple control modes: universal DMX512, Master/Slave mode, Auto run mode and Sound Activated mode. The system can be programmed to perform multiple effects via any standard DMX consoles. There are two DMX control modes: 7 channels for easy and simple operation and 28 channels for sophisticated control.

The curtain system has 10 pre-set effects which can be triggered separately. Built-in color macros vary from red, green, blue, white to cyan, purple, yellow and much more.... LEDs are divided into 16 groups in the curtain. For sophisticated operation, you can control each group separately at 28-channel DMX control mode.

The curtain is made from heavy duty cloth. This high quality cloth does not reflect light unlike other cheap, nylon based material versions which have a shiny finish. It is fire retardant with extremely low shrinkage level, easy to maintain and clean.

The curtain can be connected one to another easily and quickly to make a larger back drape. Each curtain has Velcro connection at four sides for installation in any orientation.

The LED star curtain system is designed for indoor applications, including back drapes for stage, theatre, TV studio, nigh club, hotel banqueting halls etc.

Items included in the package

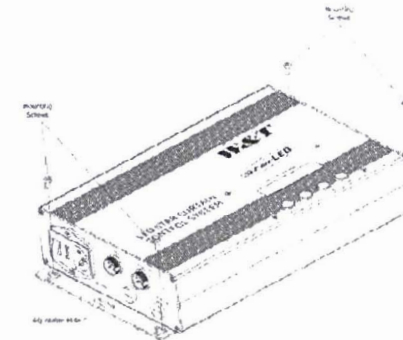
- 1). The drape 10x3m
- 2). One StarLED controller box
- 3). Two driver boxes (already set inside the drape)
- 4). 1 piece of power cable (1.5m long)
- 5). 2 pcs data cable (3m long)
- 6). This manual

-5-



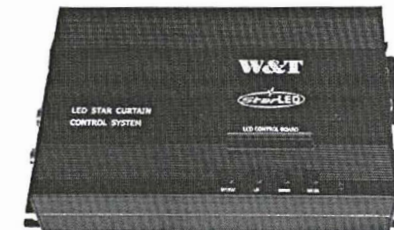
Controller Box – StarLED

StarLED controller is designed for easy mounting, it can be mounted on a flat surface or hanged on a wall or truss.



Mounting holes

Controller box StarLED allows easy control of the star curtain. It has a built-in power supply with on board DMX capability. StarLED has 4 data output ports that enable it to drive more than one curtain when necessary. It had 3-pin and 5-pin male and female XLRs, DMX addressable up to 512.



-6-

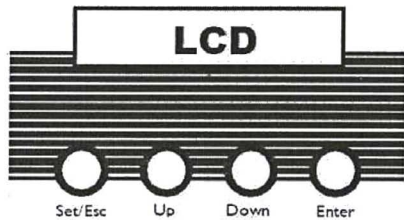


LCD DisplaySetup

StarLED controller is equipped with an LCD display. LCD display is set up to turn off in default 30 seconds after the last menu setup operation. LCD display can be waked up by pressing any button. At DMX mode, you can also wake up the LCD display by changing DMX signal.

LCD display is lockable. This function is set up OFF in default. Users can activate this function to avoid unwanted LCD setup by other people. To unlock the LCD, just press 1(Setup) 3(Up) 2(Down) 4(Enter).

There are 4 press buttons under the LCD display: **【Set/Escape】**, **【 Up 】**, **【 Down】** and **【Enter】**.



【Set/Esc】 Menu selection or return to previous menu

【 Up 】 Scroll "UP" through the menu list to increase the value of the current function

【 Down】 Scroll "DOWN" through the menu list to decrease the value of the current function

【Enter】 Enter the current menu or confirm the current function value

Menu Navigation

Turn on controller, after controller reset, press **【Set/Esc】** button for menu navigation.

- DN↓↑UP
- Set menu--SET-- DMX mode --ENT--DMX menu
- DN↓↑UP
- Set menu--SET-- Black --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Red --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Green --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Blue --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Yellow --ENT--dimmer menu
- DN↓↑UP



- Set menu--SET-- Cyan --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Purple --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- White --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program1 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program2 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program3 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program4 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program5 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program6 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program7 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program8 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program9 --ENT--dimmer menu
- DN↓↑UP
- Set menu--SET-- Program10 --ENT--dimmer menu
- DN↓↑UP
- Set menu SET-- Macro --ENT--Macro menu
- DN↓↑UP



Setup Menu

Turn on controller, after controller reset, press **【Set/Esc】** button till **Set Menu** appears, users now can start to set up the controller.

1 st LEVEL	2 nd LEVEL	3 rd LEVEL	4 th LEVEL	FUNCTION	DESCRIPTION
1 Set Menu	1-1 Language	1-1-1 English	/	English	English
		1-1-2 French	/	French	French
		1-1-3 German	/	German	Germany
	1-2 Reload Default	1-2-1 [On] Off	/	ON	To reload default to fixture
		1-2-2 On [Off]	/	OFF	
	1-3 Master & Alone	1-3-1 Master Mode	/	MASTER	To select fixture to run as a master unit or not
		1-3-2 Alone Mode	/	Stand Alone	
	1-4 Auto & Sound	1-4-1 Auto Mode	/	Auto Run	To set up to Auto run or Sound activation mode
		1-4-2 Sound Mode	/	Sound Activation	
	1-5 Clear Display	1-5-1 Always On	/	LCD back light ON	Turn off LCD back light or not in 30 seconds
		1-5-2 Delay Off	/	LCD back light OFF	
	1-6 Key Lock	1-6-1 KeyLock: On	/	Lockup	To lock up control panel buttons or not
		1-6-2 KeyLock: Off	/	Not lockup	
	1-7 Information	1-7-01 StarLED RGB	/	/	Model
		1-7-02 wt@vntnl.net	/	/	email address
		1-7-03 Soft version 1.0	/	/	Software version
		1-7-04 Timmer	/	/	Production time
	1-8 Machine Timer	1-8-1 This Time:000M	/	Fixture running period time	Fixture working time record
		1-8-2 TotalTime:000H	/	Total running time	
		1-8-3 Clear Total (Pwd: 88)	1-8-3-1 ClearTotal: OK	/	OK
1-8-3-2 ClearTotal: NO			/	NO	



DMX Menu Setup

Turn on controller, after controller reset, press **【Set/Esc】** button till **LED Addr:001 No Signal** appears, press **【Enter】** to DMX Menu setup.

1 st LEVEL	2 nd LEVEL	3 rd LEVEL	Function
2 DMX Menu	2-1 DMX Address	2-1-001	DMX address can be set up from 001 to 485
		2-2-1 7-CH	7 channel DMX mode
	2-2 DMX Channel Select	2-2-2 28-CH	28 channel DMX mode
		2-3 DMX Break	2-3-1
	2-3-2		When DMX signal breaks, this star curtain will hold on running current effect.
	2-3-3		When DMX signal breaks, this star curtain will switch to auto run mode automatically.
	2-3-4		When DMX signal breaks, this star curtain will switch to sound activation mode automatically.

Dimmer Menu (two modes)

Turn on controller, after controller reset, press **【Set/Esc】** button till **LED Red Alone** or other built in colors appears, press **【Enter】** to Dimmer Menu setup.

1 st LEVEL	2 nd LEVEL	3 rd LEVEL	4 th LEVEL	5 th LEVEL	Function
3 Dimmer Menu	3-1 Dimmer	3-1-000	/	/	Dimmer can be set up from 000 to 255.
		3-2 Strobe	3-2-000	/	/
	3-3 Red	3-3-000	/	/	Red dimming can be set up from 000 to 255.
		3-4 Green	3-3-000	/	/
	3-5 Blue	3-5-000	/	/	Blue dimming can be set up from 000 to 255.
		3-6 Dimmer Mode	3-6-1 RGB Mode	/	/
	3-6-2 Group Mode		3-27	Dimmer Mode	3-27-1 RGB Mode



3 Dimmer Menu	3-6 Dimmer Mode	3-6-2 Group Mode	3-27 Dimmer Mode	3-27-2 Group Mode	Set up to Group Mode
			3-01 Dimmer	3-01-000	Dimming for all leds from 000 to 255
			3-02 Strobe	3-02-000	Strobe for all leds from 000-255
			3-03 1 Red	3-03-000	Dimmer for the first group Red led
			3-04 1 Green	3-04-000	Dimmer for the first group Green led
			3-05 1 Blue	3-05-000	Dimmer for the first group Blue led
		
			3-24 8 Red	3-24-000	Dimmer for the 8th group Red led
			3-25 8 Green	3-25-000	Dimmer for the 8th group Green led
			3-26 8 Blue	3-26-000	Dimmer for the 8th group Blue led

Program Menu

Turn on controller, after controller reset, press **[Set/Esc]** button till  appears, press **[Enter]** to **Program Menu** setup.

1 st LEVEL	2 nd LEVEL	3 rd LEVEL	Function
4 Program Menu	4-1 Dimmer	4-1-000 Dimmer 000	Dimmer can be set up from 000 to 255.
	4-2 Strobe	4-2-01 Strobe 000	Strobe can be set up from 000 to 255.
	4-3 Speed	4-3-01 Speed 000	Speed can be set up from 000 to 255.



Macro Menu

Turn on controller, after controller reset, press **[Set/Esc]** button till  appears, press **[Enter]** to **Macro Menu** setup.

1 st LEVEL	2 nd LEVEL	3 rd LEVEL	Function
5 Macro Menu	5-01 Macro steps	5-01-01 Macro steps 01	Macro steps can be set up from 01 to 62.
	5-02 Macro steps 01	5-02-01 Program 1	Program 1
		5-02-02 Program 2	Program 2
	
		5-02-10 Program 10	Program 10
	5-03 Macro steps 02	5-03-01 Program 1	Program 1
		5-03-02 Program 2	Program 2
	
		5-03-10 Program 10	Program 10
	5-11 Macro steps 10	5-11-01 Program 1	Program 1
5-11-02 Program 2		Program 2	
...		...	
5-11-10 Program 10		Program 10	

DMX Address Setup

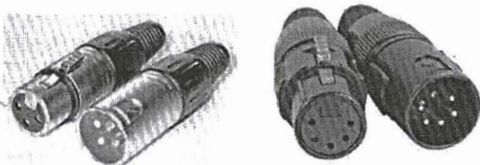
Each fixture must be given a DMX address so that the correct device responds to the correct control signals. This DMX address is the channel number from which the device starts to "listen" to the digital control information being sent out from the controller.

Connect all your controller in series using standard DMX512 data cable. Please refer to "DMX Menu Setup" in "LCD DisplaySetup".



DMX Cable Requirements

This LED star curtain system can be controlled via standard DMX-512 protocol. It has two DMX control modes: 7 DMX channels and 28 DMX channels. You need to use a standard 3-pin or 5-pin XLR connector for data input and output.



3-pin XLR

5-pin XLR

If you are using your own cables, be sure to use standard two conductor shielded cable. Your cables should be made with a male and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.

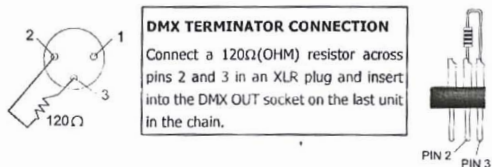
To ensure proper DMX data transmission, when using several DMX fixtures, try to use the shortest cable path. The order in which fixtures are connected in a DMX chain does not influence the DMX addressing. For example, a fixture assigned a DMX address as 1 may be placed anywhere in a DMX line, at the beginning, or at the end, or anywhere in the middle. When a fixture is assigned a DMX address as 1, the DMX controller understands to send DATA assigned to address 1 to that fixture, no matter where it is positioned in the DMX chain.

DMX Terminator

In DMX Controller mode, at the last controller box in the chain, the DMX output has to be connected with a DMX terminator. This prevents electrical noise from disturbing and corrupting the DMX control signals.

The DMX terminator is simply an XLR connector with a 90 - 120Ω (ohm) 1/4 watt resistor connected across pins 2 and 3 of a male XLR connector (DATA+ and DATA-). This terminator is then plugged into the output socket on the last fixture in the daisy chain to terminate the line. Using a cable terminator will decrease the possibilities of erratic behavior.

The connections are illustrated below.



OPERATING MODES

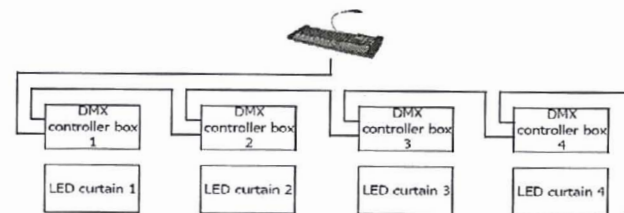
The fixture can work in the following operating modes:

- DMX control mode: this function will allow you to control individual LED star curtain system with a standard DMX 512 console.
- Master/Slave mode: one controller will work as the Master fixture; other controllers in the chain will work in synchronization with the Master fixture.
- Auto run mode
- Sound activation mode.

DMX Control Mode

Operating through a DMX console gives the user the freedom to create their own programs tailored to their own individual needs.

1. This function allows you to control each individual star curtain system with a standard DMX 512 console.
2. This device has two DMX control mode: 7 DMX channels and 28 DMX channels. Please refer to following sections for DMX channel details.
3. Users can configure the fixture, in case DMX signal breaks, to stop running or hold on running current programs or to auto run mode or go automatically to music control. Please refer to "DMX menu setup".
4. To run the star curtain system in DMX mode, plug in StarLED controller box via the XLR connector to any standard DMX console. To set up DMX address, please refer to the instructions in "LCD Display Setup".



DMX Protocol

This LED star curtain system has two DMX control modes: 7 DMX channels and 28 DMX channels.

- 7 DMX channel: to directly control LED star curtain for color changing and running color macros.
- 28 DMX channel: to directly control RGB colors in each group (8 groups in total).



Standard mode	Extended mode	Function	DMX Value	Description		
1	1	Master dimming	000-255	Dimming from dark to light		
2	2	Strobe	000-009	Void		
			010-255	Strobe 0-25Hz		
3	3	Macro channel	000-049	RGB mode		
			050-059	Black		
			060-069	Red		
			070-079	Green		
			080-089	Blue		
			090-099	Yellow		
			100-109	Cyan		
			110-119	Purple		
			120-129	White		
			130-139	Program 1		
			140-149	Program 2		
			150-159	Program 3		
		160-169	Program 4			
		170-179	Program 5			
		180-189	Program 6			
		190-199	Program 7			
		200-209	Program 8			
		210-219	Program 9			
		220-229	Program 10			
		Macros	230-239	Color macros		
			240-249	Music control		
			250-255	void		
		4	4	Speed adjustable	000-004	Normal speed
					010-255	Speed from slow to fast
		5	/	Red	000-255	From dark to light
6	/	Green	000-255	From dark to light		
7	/	Blue	000-255	From dark to light		
/	5	Red	000-255	Group 1, from dark to light		
/	6	Green	000-255	Group 1, from dark to light		
/	7	Blue	000-255	Group 1, from dark to light		
/	8	Red	000-255	Group 2, from dark to light		
/	9	Green	000-255	Group 2, from dark to light		
/	10	Blue	000-255	Group 2, from dark to light		
/	11	Red	000-255	Group 3, from dark to light		
/	12	Green	000-255	Group 3, from dark to light		
/	13	Blue	000-255	Group 3, from dark to light		
/	14	Red	000-255	Group 4, from dark to light		
/	15	Green	000-255	Group 4, from dark to light		

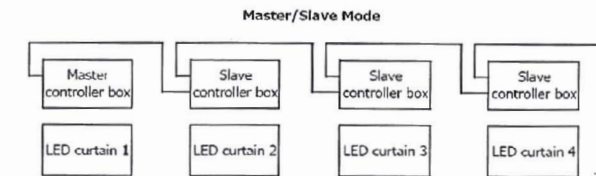


/	16	Blue	000-255	Group 4, from dark to light
/	17	Red	000-255	Group 5, from dark to light
/	18	Green	000-255	Group 5, from dark to light
/	19	Blue	000-255	Group 5, from dark to light
/	20	Red	000-255	Group 6, from dark to light
/	21	Green	000-255	Group 6, from dark to light
/	22	Blue	000-255	Group 6, from dark to light
/	23	Red	000-255	Group 7, from dark to light
/	24	Green	000-255	Group 7, from dark to light
/	25	Blue	000-255	Group 7, from dark to light
/	26	Red	000-255	Group 8, from dark to light
/	27	Green	000-255	Group 8, from dark to light
/	28	Blue	000-255	Group 8, from dark to light

Master/Slave Mode

This function allows users to link StarLED controllers to run preset programs without using DMX desk. In Master/Slave operation, one controller will act as the controlling unit and the rest will react to the built-in programs of the controlling unit. In this operation mode, star curtains connected to the MASTER and SLAVE controller will operate synchronously.

Any controller box can act as a Master or as a Slave; however, only one fixture can be programmed to act as the "Master".



Auto Run Mode

The LED star curtain can operate at auto run mode to play the preset programs. Please refer to "Setup menu" for setup. Users can select the 10 built-in programs from the control panel. Each can play separately. Program running speed is adjustable by choosing speed from the control panel. Please refer to "Menu navigation" in page 11 for how to select the programs and running speeds.

