SIRS-E DMX-DIM4 Channel DMX Dimmer Pack Double Output User Guide

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Contents

Quick Start Guide

- When turned On, the device will start on chase mode with the option to select between P:01-16.
- Push the MENU button to adjust chase speed and dimmer manually.
- Push the MODE button to switch to DMX, then select the starting DMX address from A001-A512.
- Push the MENU button to select 1, 2 or 4 channel DMX dimmer pack function.

MODE	CH:04	CONTROL	CH:1 Output 1
			CH:2 Output 2
			CH:3 Output 3
			CH4 Output 4
MODE	CH:02	CONTROL	CH:1 Output 1-2
			CH:2 Output 3-4
MODE	CH:01	CONTROL	CH:1 Output 1-4

Product Features

- 4 channel DMX dimmer pack.
- Full manual control over each channel in DMX.
- 16 built-in preset programs.
- 1, 2 or 4 channel configuration option.
- Digital display for easy setting and control.
- 3-pin XLR female and male connectors for DMX control.
- Double output 110v grounded outlet per channel.
- Rope light connection output.

- On / Off main power switch.
- External fuse holder.

Technical Specifications

- 4 DMX Channels.
- 120V AC ~ 50-60Hz.
- 10A / Channel, total 20A Max.
- 1200W / Channel, total 2400W Max

Advice

To ensure this product's durable and consistent performance, please read these Operations Instructions carefully and familiarize yourself with all the functions and basic operations.
The DMX-DIM4 has been pre-tested by SIRS-E® before shipment for guaranteed customer satisfaction. No assembly is required on the end-user side.

4 CH DMX DIMMER PACK

WARNING
Do not expose this unit to rain or moisture to prevent or reduce the Risk of Electrical shock or Fire. Clearing memory often may cause deadly damage to the memory chip, be careful not to reinitialize your unit too frequently to avoid this risk.
CAUTION
There are no under-serviceable parts inside. Do not attempt any repairs yourself; doing so will void your manufactures warranty.
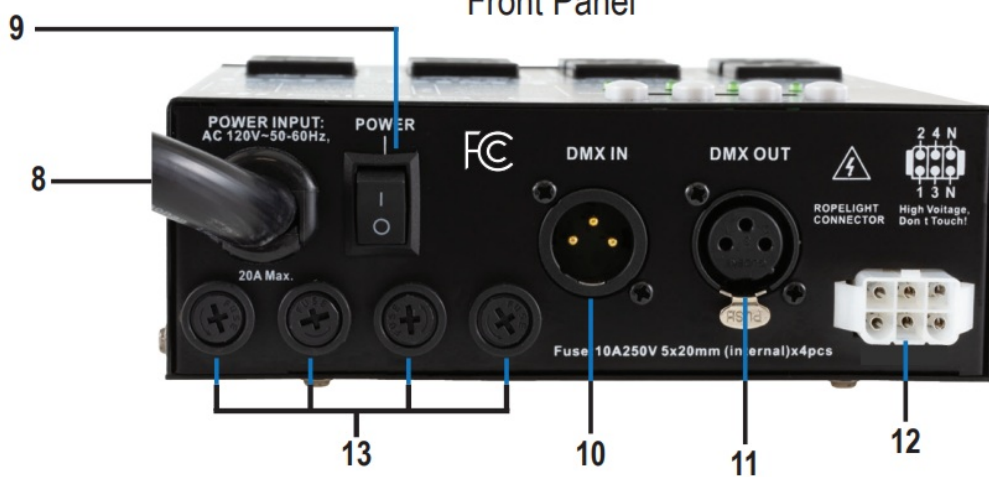In the unlikely event, your unit may require service, contact us at sirs-e.com.

Technical Specifications

Dash Panel

OUTPUT: 10A / Channel, Total 20A Max.
1200W / Channel, Total 2400W Max.

Nominal Voltage: 120VAC

DMX-DIM4

4CH DMX DIMMER PACK

MODE	MENU	DISPLAY
RECEIVE	DMX CHANNEL	R001——R512
	TOTAL DMX CHANNEL	CH:01/CH:02/CH:04
CHASE	CHASE PROGRAM	P:01——P:16
	CHASE SPEED	SP:01——SP:99
	CHASE DIMMER	d000——d100

1CH 2CH 3CH 4CH

DMX Signal — Receive — Chase

/// SIRS-E®
LED LIGHTING AND DMX CONTROL

MODE MENU ▲ ▼

Front Panel

POWER INPUT:
AC 120V~50-60Hz,

POWER

DMX IN   DMX OUT

ROPELIGHT CONNECTOR

High Voltage. Don t Touch!

20A Max.

Fuse 10A250V 5x20mm (internal)x4pcs

DISPLAY FLOW CHART

MODE	▲ ▼	MENU	▲ ▼
Axxx	001-512 loop	Axxx	A001-A512 loop
↓		CH:xx	01, 02, 04 loop
		SP:xx	01-99 loop
Axxx	01-16 loop	dxxx	000-100 loop
↓		P:xx	01-16 loop

Reference

1. 110V grounded outlets.
2. Green LED Indicators: Indicators will Illuminate when the corresponding channel is activated.
3. LCD Display: This multifunction will display the setting and running mode of the unit.
4. MODE Button: This button will switch the unit between DMX mode and CHASE mode.
5. MENU Button: This button will activate different functions in DMX or CHASE mode.
6. ▲Button: This button will increase the value of your controlling function.
7. ▼Button: This button will decrease the value of your controlling function.
8. Power Input / Power Cord: 120V AC only.
9. Power Switch: This switch controls the unit's leading power.
10. DMX Input: This connector allows the input of the DMX control signal.
11. DMX Output: This connector allows the output of the DMX control signal to the next DMX device.
12. ROPE LIGHT Connector.
13. External Fuse Holders.

Note about FC

FCC Declaration Of Conformity: The Device has passed the following tests of compliance: FCC (2016) – Title 47, Part 15, class A, Radio Frequency devices.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Operation

The unit has 2 working modes:
1. 1, 2 or 4 channel DMX dimmer pack.
2. 4-channel stand alone chaser.

Power Source

Before plugging your unit into the primary power source, please be sure the source voltage matches the required voltage for your device.
Because the line voltage may vary from venue to venue, make sure to plug your power supply into a compatible wall outlet before attempting to operate your device.

DMX Mode A001-512

(The LED next to the letter "A" on display will turn ON) You can use your pack as a DMX dimmer in this mode. This function will allow your device to control the intensity of a non-DMX fixture using a DMX controller. You can set your dimmer function as a 1, 2, or 4-channel DMX dimmer pack, which means you can combine the output functions.

DMX Operation

1. Connect a DMX controller to your dimmer pack via the 3-pin XLR connector.
2. Connect your lighting fixture to any of the four power sockets on the front of the unit.
3. Decide if you will use your dimmer pack as a 1, 2, or 4-channel dimmer pack. This function allows you to:

   a. CH:01 Controls the output to all four outlets with one DMX channel.

   b. CH:02 Group outlet channels one and two and channels three and four. The first group will be controlled by one DMX channel and the second group by another DMX channel.

   c. CH:04 This is the default .
4. To change the pack function mode, be sure you are in DMX mode Axxx. Click the MENU button to select "CH" followed by two digits. Then

   use the ▲ or ▼ buttons to change the setting from 01, 02, or 04. To exit the "CH" mode click the MENU to return to the address mode Axxx.
5. The dimmer pack is initially set to be activated by DMX address one (A001). To change this setting, ensure you

   are in DMX mode; this will be indicated by an "A" character in the LCD followed by three numbers. Use the ▲

   or ▼ buttons to select your desired DMX address (A001-512).
6. Remember the DMX address tells your DMX controller what channel will activate the pack's functions.
7. Your pack is ready to operate via DMX, and the LED next to the "DMX signal" will blink.

CHASE Mode "P" 01-16

(The LED next to the letter "P" on the display will turn ON) Choose this mode only when you want the unit to act as a 4-channel chaser.
This unit has 16 built-in programs.
You can select to run any of these programs and control the chase speed (SP:01-99) or the light output (d000-100) dimming.

1. Connect your lighting fixture to any of the unit's 4-channel power sockets on the dimmer pack. Keep in mind that if you connect lights on the same channel, they will turn ON simultaneously.
2. Use the MODE button to select chase mode: Chase mode is indicated on the LCD display as "P" followed by numbers 01-16. "P" stands for the program. If "A" appears in the LCD display, you are in DMX mode, "A" stand for address.
3. Once you have selected the chase program, use the MENU button to select your desired function:

   SP – This function will control the speed your chase will run, from a minimum of 01 to a maximum of 99.

d – This function will control the light output intensity of all channels at the same time, from 000 minimum to 100 maximum.

4. You can change the program, chase speed or light intensity setting by pushing the ▲or ▼ button. (All values will loop, so once you reach the maximum value the next value will be the lowest or vice versa)

About Us

SIRS-E® / semiconductor illumination research solutions/ In 2004, SIRS-E® began research into the use of high powered LED components to be applied in direct lighting fixture and LED strips. • • •
In 2005, SIRS-E® developed the RGB HPL01-12 watt (60 lumens per watt efficiency) RGB lighting fixture controlled via DMX using LumiLEDS, one of the first high powers LEDs eventually acquired by Phillips.
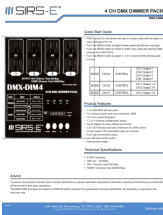Included in nearly research solutions, was the development and testing of many different LED strips intended to be used for direct RGB lighting and effects applications.
This was the beginning of what we now know as SIRS-E®.

Customer Support

Documents / Resources

SIRS-E DMX-DIM4 Channel DMX Dimmer Pack Double Output [pdf] User Guide
DMX-DIM4 Channel DMX Dimmer Pack Double Output, DMX-DIM4, Channel DMX Dimmer Pack Double Output, DMX Dimmer Pack Double Output, Dimmer Pack Double Output, Pack Double Output, Double Output, Output

References

- **Welcome to SIRS-E - Leading the Way in American-Made Linear LED Excellence for Over 20 Years. Innovation • Quality • Reliability • American Craftsmanship.**
- **User Manual**