Smart Pixel LineLED Decoder | DMX signal to SPI signal decoder



The SR-DMX-SPI is a smart LED pixel decoder that controls 12-24V RGB/RGBW pixel LED strips with SPI signal.

Designed with an OLED backlit panel, the pixel controller allows for easy configuration of most settings. Four push buttons provide access to configuration settings through OLED display.

Input voltage
DC5V/DC12-24V

Decoder input current
0.2A max

Maximum LED load current
10A per terminal

Input signal
DMX512 or RF

Environmental rating
IP20

DMX decoding capacity
512 channels

Maximum SPI output
9,999 channels

Pixel capacity
RGB - 170 pixels individually
(3,333 pixels at the same time)
RGBW - 128 RGBW pixels individually
(2,499 pixels at the same time)

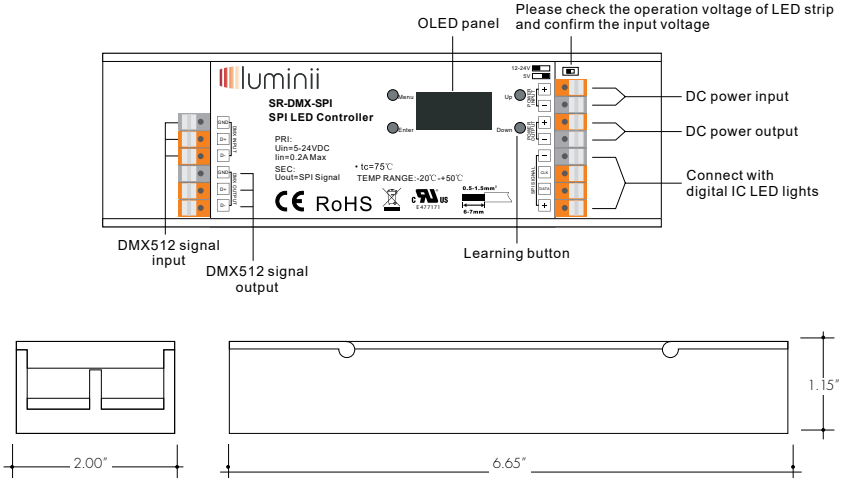
Output signal
SPI

Operating Temperature
−4°F to +122°F

Max wiring distance
16 ft max wire length, decoder to Pixel LEDs (Wet)
10 ft max wire length, decoder to Pixel LEDs (Dry)
1000 ft max, decoder to Controller

Key Features

- SPI signal output for RGB/RGBW pixel light control
- DMX512 controllable or RF remote controllable
- 512 DMX decoding channels
- 35 built in sequences for chasing, changing, and static colors under RF mode
- Compatible with a variety of RGB/RGBW RF remotes
- Works with integrated DMX consoles and sequencing software
- Supports 44 selectable pixel IC protocols including UCS2903 and UCS2904



Note: All DMX products to be installed per DMX512 Standard. Clock (CLK) is not needed with Luminii products.

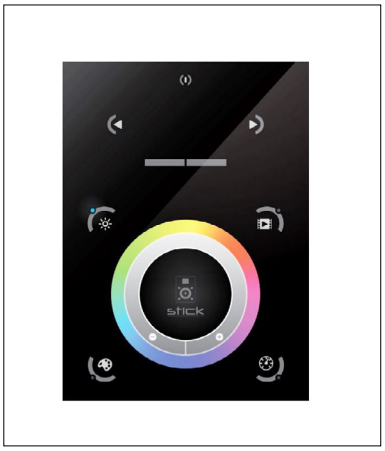
ORDERING CODE

Model
SR-DMX-SPI

SR-DMX-SPI - Smart Pixel Decoder

Touch DMX controller

Touch screen digital LED controller



Programmable advanced DMX512 lighting controller featuring a touch-screen interface. Operates as stand alone controller or integrated with most architectural lighting control systems. Can controller endless DMX512 enabled devices.

Mounts to standard single or dual gang wall box with the included power supply inside the junction box. Terminal block design for power and data connections.

Power supply
7 VDC (included)

Programmability
PC, Mac, Tablet, Smartphone

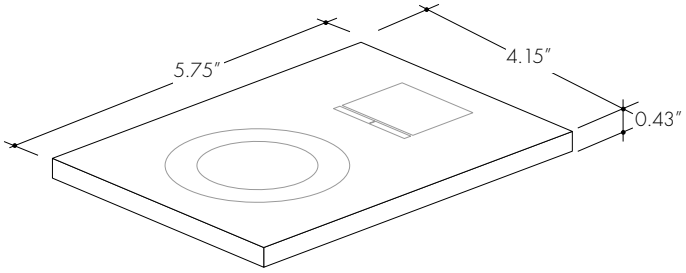
Output signal
DMX512 (1024 channels)

Color parameters
- Brightness
- Saturation
- Speed of color changing sequence
- Fading / dimming / brightness

ORDERING CODE

Model
TSDMX-E

TSDMX-E - Touchscreen DMX controller

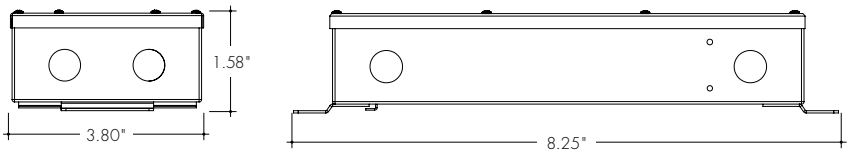


Power supply

See controller and power supply instructions & spec sheet for wiring information.



- Constant voltage output
- Input Voltage 120-277VAC
- Cooling by free air convection
- Full protection metal case
- Auto reset breakers, from short circuit, overloading, & over temperature
- Suitable for Dry locations
- 5 year Warranty



- **Input voltage**
  120 to 277 VAC
- **Output voltage**
  24VDC
- **Safety**
  UL 8750

Ordering Code

MODEL		INPUT CONTROL		ENVIRONMENT		WATTAGE		OUTPUT		OUTPUT CONTROL
	–		–		–		–		–	
PS-Power Supply, 120-277VAC		**ND**-Non Dimming		**D**-Dry		**96**-96 Watts		**24**-24 VDC		**ND**-Non Dimming