# superbrightleds.com

# DS Series
## DMX/RDM Decoder Specifications

DS-DMX46A

Voltage
12–24 VDC

DMX512
in/out

DIP Switch

5-Year
Warranty

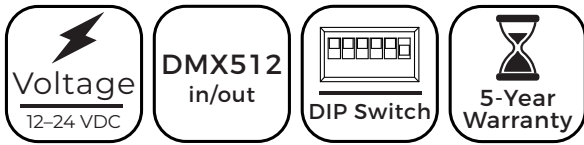## Description

DS-DMX46A DMX/RDM decoder converts DMX and RDM signals for single color, CCT and/or RGBW LED lighting products. It features both DMX decoder and master functions that are easy to switch between. Settings are selected with the use of integrated DIP switch. Screw terminals allow for easy connection to LED light strips and other low voltage LED lighting. Stand alone function allows for easy testing, as well as control of RGB/RGBW LED lights when no DMX signal is present using nine preset modes.

## Construction

- DMX master and decoder mode with RDM function
- Easy to program DIP switch settings
- Converts DMX512 signals to single color, tunable white, RGB, and RGBW LED strips and fixtures
- Standalone RGB/RGBW mode with 9 presets
- -22°–131° F (-30°–55° C) operating temperature
- IP20 environmental rating

## Electrical

- 1–4 channel configurations
- Terminal block and XLR connections for DMX signal in and out
- 12–24 VDC input/output
- Max output current of 6 A per channel (24 A total)
- Overheat and short circuit protection

## Available Models[1]

☐ DS-DMX46A

## Specifications

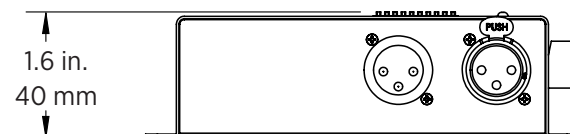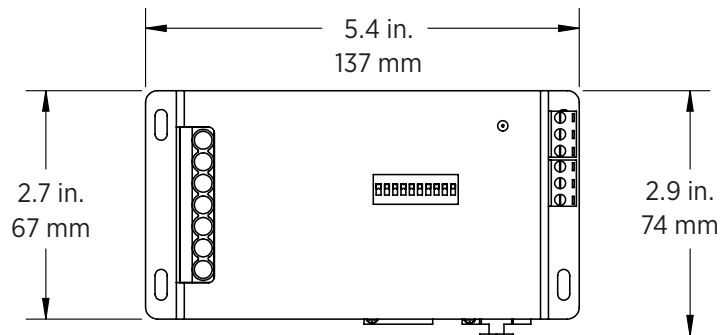| Model | DS-DMX46A |
|---|---|
| Input Voltage | 12–24 VDC |
| Max. Input Current | 24.5 A |
| Max. Output Current | 6 A (per channel) |
| Max. Output Wattage | 72–144 W (per channel, varies by voltage) |
| Output Channels | 4 |
| Connection Type | screw terminal (all connections) XLR (DMX in/out) |
| IP Rating | IP20 |
| Ambient Operating Temperature | -22°–131° F (-30°–55° C) |

## Warranty

Five (5) Year Warranty

## Certifications and Compliances

This DMX/RDM decoder is CE compliant.

## Dimensions
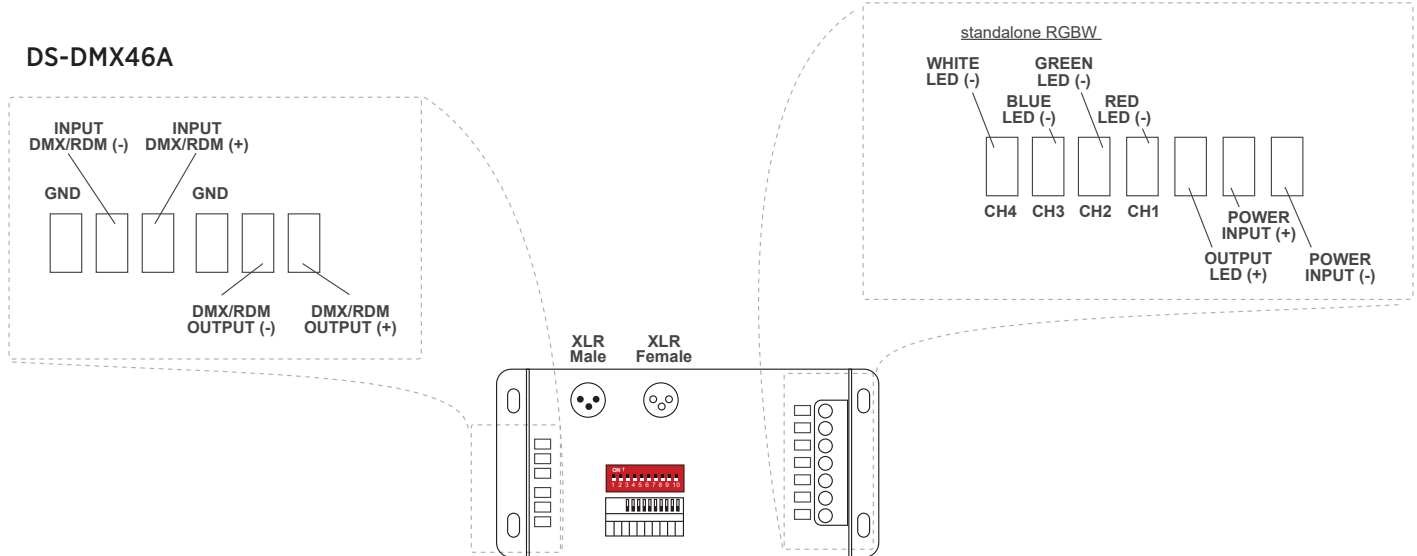


5.4 in.
137 mm

2.7 in.
67 mm

2.9 in.
74 mm

1.6 in.
40 mm

[1]Contact customer service if interested in options other than those listed.

Rev V1 Date: 11/04/2020
Specifications are subject to change without notice.
Printed in the U.S.A.

## Wiring Connection Diagram

### DS-DMX46A

INPUT DMX/RDM (-)
INPUT DMX/RDM (+)

GND
GND

DMX/RDM OUTPUT (-)
DMX/RDM OUTPUT (+)

standalone RGBW

WHITE LED (-)
GREEN LED (-)
BLUE LED (-)
RED LED (-)

CH4
CH3
CH2
CH1

POWER INPUT (+)
OUTPUT LED (+)
POWER INPUT (-)

XLR Male
XLR Female

## Notes

Specifications are subject to change without notice.