SPECIFICATION

RS232-DMX ADAPTER

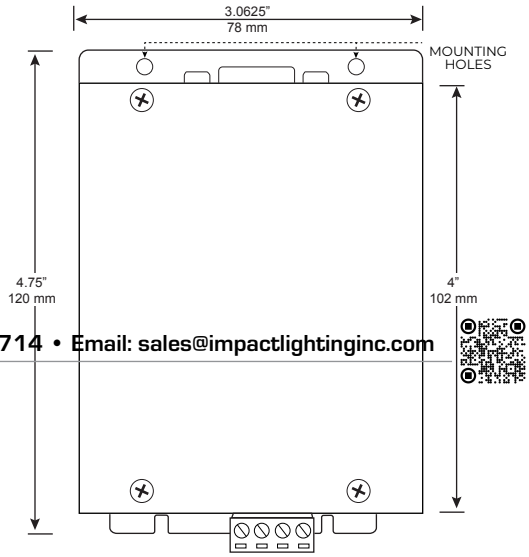
CONVERSION INTERFACE

PROJECT	DATE
TYPE	QTY

epixsky experience light

RS-232 TO DMX ADAPTER

THE RS232 - DMX ADAPTER is the ideal tool for allowing control systems to integrate by incorporating low voltage LED lighting. Using this adapter will allow a standard control system receiving an RS-232 signal from a master control system to convert into a DMX signal which can then be routed through DMX decoders to control low voltage lighting.



KEY FEATURES:

- Power Input: DC9-32V
- Signal Input: RS-232
- Signal Output: DMX-512
- Weight: 220g

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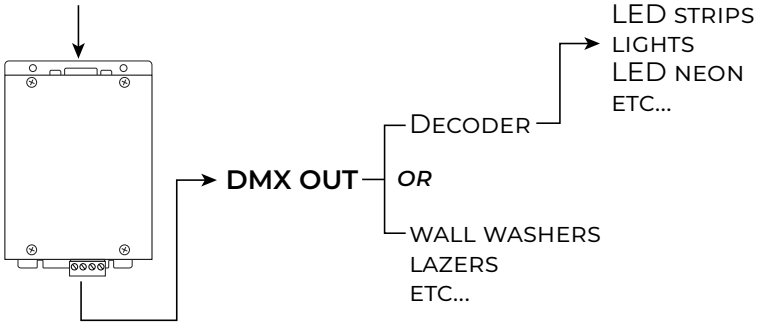
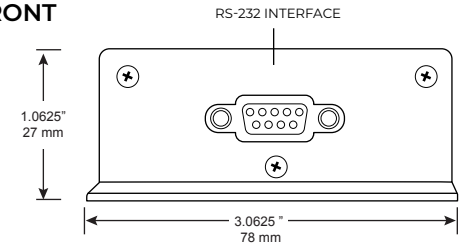
SERIAL INPUT

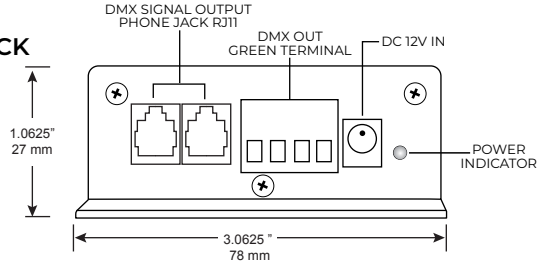
- 3RD PARTY CONTROL
- COMPUTER
- ETC...



FRONT



BACK



ORDERING

MODEL

IL-S2DMX

RS-232 TO DMX ADAPTER

RS232-DMX ADAPTER

1 ~ BAUD RATE SETTING

BAUD RATE SETTING: "19200, N, 8, 2"
19200 --- Baud rate
8 --- 8 data bits
2 --- 2 stop bits

When you use VB to program,
please use the command below:
MSComm1.Settings = "19200, N, 8, 2"

2 ~ SETTING DIMMING VALUE OF ONE CHANNEL

SETTING DIMMING VALUE ON ONE CHANNEL:
0H-11H-**Ard_High_Low_*Low-Value***-00H-5H

To set dimming value of DMX address 12(0CH) as 20% (33H) please use the command as below:
0H-11H-1H-***0H-5H-80H***-0H-0H-5H

To set dimming value of DMX address 12(0CH) as 20% (33H) please use the command as below:
0H-11H-1H-***0H-0CH-33H***-0H-0H-5H

Channel 12

Dimming value = 20%
20%=255/100*20=51=0x33

Ard_High: DMX address MSB
Ard_Low: DMX address LSB

For example:
DMX Address=278: Ard_High=01H · Ard_Low=17H
DMX Address=20: Ard_High=0H · Ard_Low=14H

Value: dimming value
If the dimming value is 20%,
the caclulation method is as below:
Change 20% to decimal system is 20/100*255=51;
Change 51 to hexadecimal system is 51->33H

3 ~ SETTING DIMMING VALUE OF CONTINUOUS CHANNELS *(EACH CHANNEL HAS SAME DIMMING VALUE)*

SETTING DIMMING VALUE OF CONTINUOUS CHANNELS:
(EACH CHANNEL HAS SAME DIMMING VALUE)
0H-11H-2H-***First_High_First_Low-End_High-End_Low-Value***-5H

To set dimming value of DMX address from 3 to 15 as 50%(80H) please use the command as below:
0H-11H-2H-***0H-3H-0H-FH-80H***-5H

To set dimming value of DMX address from 20 to 30 as 20% (33H) please use the command as below:
0H-11H-2H-***0H-14H-0H-1EH-33H***-5H

Channel 20

Channel 30

Dimming value = 20%
20%=255/100*20=51=0x33

First_High: DMX start address MSB
Ard_Low: DMX start address LSB

First_High: DMX last address MSB
Ard_Low: DMX last address LSB

Value: dimming value

For example: switch off all DMX address from 1 to 512, please use the command as below:
0H-11H-2H-***0H-1H-2H-0H-0H***-5H

4 ~ SETTING DIMMING VALUE OF CONTINUOUS CHANNELS *(CHANNELS HAVE A DIFFERENT DIMMING VALUE)*

SETTING DIMMING VALUE OF CONTINUOUS CHANNELS:
(THE CHANNELS HAVE A DIFFERENT DIMMING VALUE)
0H-11H-3H-***Total CH-First_High-First_Low-CH1-CH2-CH3- .....***

To set dimming value of DMX address from 3 to 6 as 10H, 25H,32H,47H please use the command as below:
0H-11H-3H-***4H-0H-3H-10H-25H-32H-47H***

To set dimming value of DMX address from 2 to 12 as 15H, 16H, 50H, 60H, 80H, EFH, FFH, 23H, 67H, 26H, 83H separately, please use the command as below:
0H-11H-3H-***0BH-0H-2H-15H-16H-50H, 60H, 80H, EFH, FFH, 23H, 67H, 26H, 83H***

11 channels in total

Start address is DMX002

CH1 (d002) = 0x15
CH2 (d003) = 0x16
CH3 (d004) = 0x50 ....

Total CH: total channel nubers in command
First_High: DMX start address MSB
First_Low: DMX start address LSB
CH1: dimming value of start channel
(start channel is DMX002 in this example
CH2: dimming value of second channel
(second channel is DMX003 in this example)
CH3: dimming value of third channel
(third channel is DMX004 in this example)