GEN LED acolyte® Architectural Lighting Solutions

Date | Project

Notes

HIGH VOLTAGE 4 CHANNEL WATERPROOF DMX INTERFACE

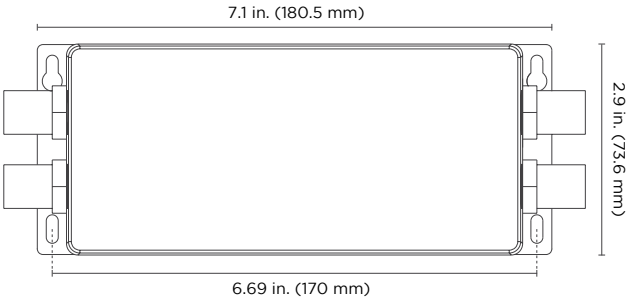
Acolyte High Voltage 4 Channel Waterproof DMX Interface is used with our DMX controllers to seamlessly operate our high-voltage color changing RibbonLyte and fixtures.

- Standard DMX512 compliant control interface enables user to set DMX address freely
- LCD display for digital programming
- Safe and reliable full isolation design
- Output for high voltage DC100-240 V 4 Channel LED Strip
- With both Master/Decoder functions switchable
- High temperature resistant address digital display
- IP67 protection, rated for outdoor use

Applications:

Commercial	Hospitality	Residential
Entertainment	Museums	Retail
Healthcare	Public Spaces	

CE FC RoHS IP67



ORDERING GUIDE

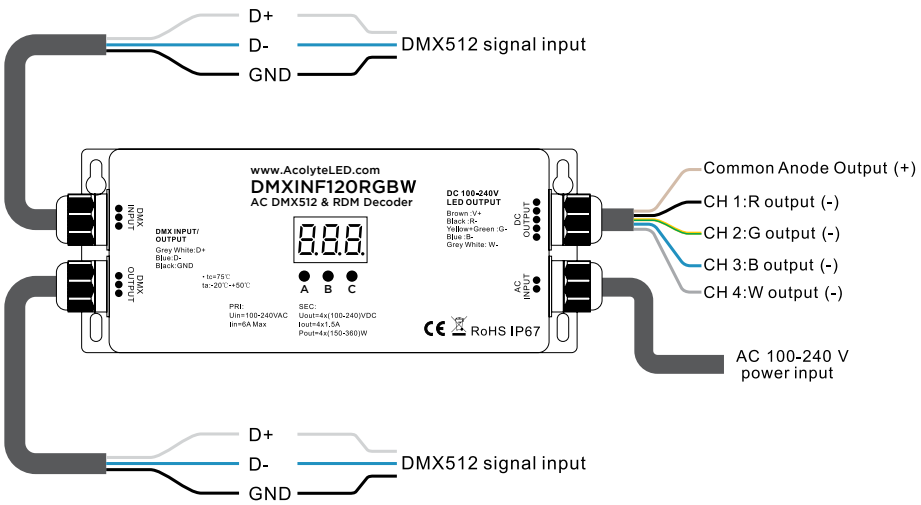
Category
DMXINF120RGBW
DMXINF120RGBW - High Voltage 4 Channel Waterproof DMX Interface

SPECIFICATIONS

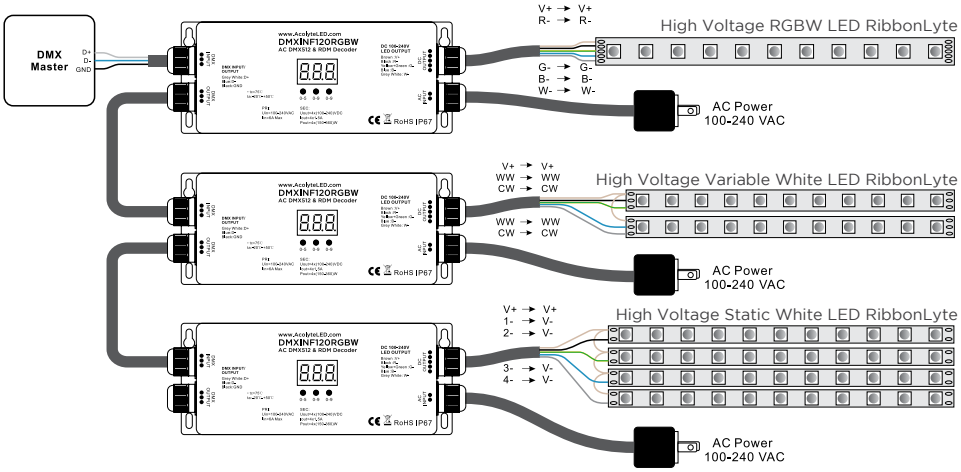
Input Voltage	100-240 VAC
Output Voltage	100-240 VDC
Output Current (Max.)	1.5 A (x4 channels)
Output PWM Frequency	500 Hz-30,000 Hz
Max. Load	660 W @ 110 V, 1320 W @ 220 V
Ambient Temperature	-4 — 122 °F (-20 — 50 °C)
IP Rating	IP67
Dimensions (L x W x H)	7.1 x 2.9 x 1.5 in. (180.5 x 73.6 x 38 mm)
Warranty	3 years

FUNCTIONS / WIRING DIAGRAM / OPERATION

FUNCTIONS



WIRING DIAGRAM



RESTORE TO FACTORY DEFAULT SETTING

Press and hold down buttons **A** and **C** for more than 3 seconds until the digital display turns off and turns on again.
All settings will be restored to factory default.

Default settings are as follows:

DMX Address: 001
DMX Address Quantity: 4CH
PWM Frequency: PF1
Gamma: 1.0

The supported RDM PIDs are as follows:

DISC_UNIQUE_BRANCH
DISC_MUTE
DISC_UN_MUTE
DEVICE_INFO
DMX_START_ADDRESS
IDENTIFY_DEVICE
SOFTWARE_VERSION_LABEL
DMX_PERSONALITY
DMX_PERSONALITY_DESCRIPTION
SLOT_INFO SLOT_DESCRIPTION
MANUFACTURER_LABEL
SUPPORTED_PARAMETERS

OPERATION

NOTE: Do not install with power applied to device.

To set desired DMX512 address:

Button **A** sets the "hundreds" position
Button **B** sets the "tens" position
Button **C** sets the "unit" positio

Set DMX Address (factory default address is **001**):

- Press and hold down any of the 3 buttons for over 3 seconds. The digital display will flash to enter Address Setting mode.
- Continue to short press button A to set the "hundreds" position, button **B** to set the "tens" position, and button **C** to set the "units" position.
- Press and hold down any button for more than 3 seconds to confirm the setting.

DMX signal indicator ●

When the DMX input signal is detected, the display indicator after the "hundreds" digit of the DMX address turns RED.

Choose DMX Channel (factory default is 4 DMX channels)

- Press and hold down buttons **B** and **C** simultaneously for more than 3 seconds. The CH digital display will flash.
- Continue to short press button **A** to choose 1/2/3/4 (for total 1/2/3/4 channels).
- Press and hold down button **A** for more than 3 seconds to confirm the setting.

For example, the DMX address is already set as **001**.
1CH=1 DMX address for all the output channels, which will all be address 001.
2CH=2 DMX addresses, so output 1 and 3 will be address 001, output 2 and 4 will be address 002.
3CH=3 DMX addresses, so output 1 and 2 will be address 001, 002 respectively, and output 3 and 4 will be address 003.
4CH=4 DMX addresses, so output 1, 2, 3 and 4 will be address 001, 002, 003 and 004, respectively.

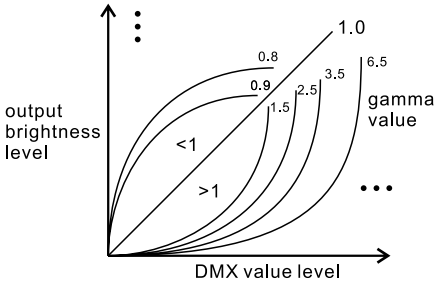
Choose DMX Channel (factory default is 4 DMX channels)

- Press and hold down buttons **A** and **B** simultaneously for more than 3 seconds. The digital display will show **PF1** (PF means output PWM frequency). The digit 1 (which means frequency) will flash.
- Continue to short press button **C** to select a frequency from 0-9 and A-J, which stand for following frequencies: 0=500Hz, 1=1KHz, 2=2KHz, 3=3KHz, 4=4KHz, 5=5KHz, 6=6KHz, 7=7KHz, 8=8KHz, 9=9KHz, A=10KHz, B=12KHz, C=14KHz, D=16KHz, E=18KHz, F=20KHz, H=25KHz, J=35KHz.
- Press and hold down button C for more than 3 seconds to confirm the setting.

Note: DO NOT set the PWM frequency higher than 3KHz to avoid overheating and damage to the device.

Choose Dimming Curve Gamma Value
(factory default dimming curve value is **g1.0**)

- Press and hold down all buttons **A**, **B** and **C** simultaneously for more than 3 seconds. The digital display will flash **g1.0** (1.0 means the dimming curve gamma value). The value is selectable from 0.1-9.9.
- Continue to short press button **B** and button **C** to select corresponding digits.
- Press and hold down buttons **B** and **C** for more than 3 seconds to confirm the setting.



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