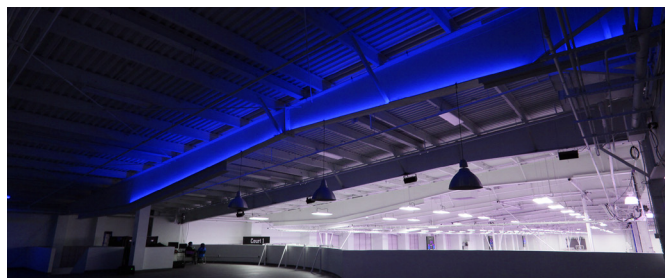## HIGH VOLTAGE 3 CHANNEL WATERPROOF DMX INTERFACE

The **GEN**LED Acolyte® High Voltage 3 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 DC100-240V 3 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

Dimensions

Width: 2.9 in (73.6 mm)
Length: 5.93 in (150.5 mm)
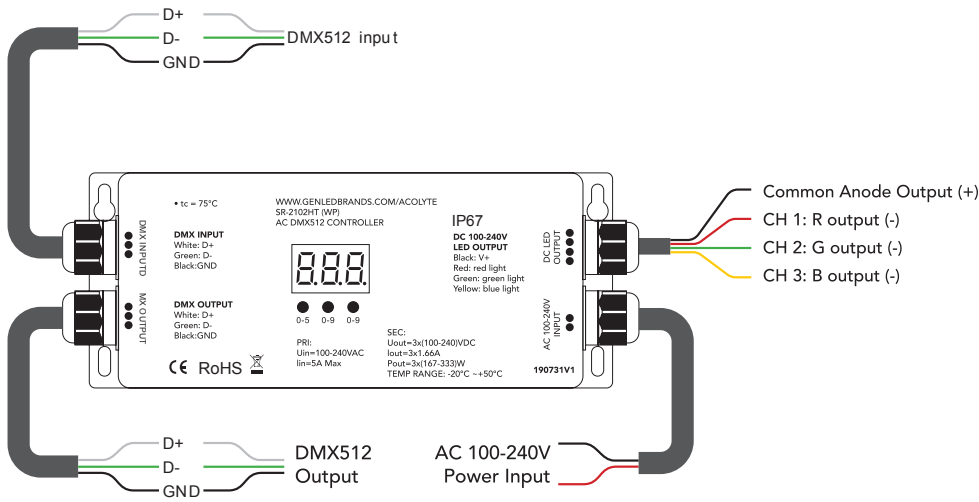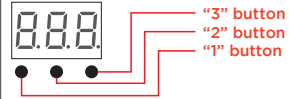**Depth:** 1.38 in (35 mm)

ORDERING GUIDE

STANDARD

Category
DMXINF120RGB

DMXINF120RGB - 100-240 V 3 Channel Waterproof DMX Interface

FUNCTIONS / WIRING DIAGRAM / OPERATION

FUNCTIONS

- D+
- D-
- GND

DMX512 input

• tc = 75°C

WWW.GENLEDBRANDS.COM/ACOLYTE
SR-2102HT (WP)
AC DMX512 CONTROLLER

IP67
DC 100-240V
LED OUTPUT
Black: V+
Red: red light
Green: green light
Yellow: blue light

DMX INPUT
White: D+
Green: D-
Black:GND

DMX OUTPUT
White: D+
Green: D-
Black:GND

0-5   0-9   0-9

PRI:
Uin=100-240VAC
Iin=5A Max

SEC:
Uout=3x(100-240)VDC
Iout=3x1.66A
Pout=3x(167-333)W
TEMP RANGE: -20°C ~+50°C

CE RoHS

190731V1

- Common Anode Output (+)
- CH 1: R output (-)
- CH 2: G output (-)
- CH 3: B output (-)

- D+
- D-
- GND

DMX512 Output

AC 100-240V Power Input

WIRING DIAGRAM

Wiring as DMX Decoder Mode **r.u.2**

DMX Master

AC DMX512 Controller

DMX INPUT
White: D+
Green: D-
Black :GND

DMX OUTPUT
White: D+
Green: D-
Black :GND

DC 100-240V
LED OUTPUT
Black: V+
Brown: R-
Yellow: G-
Blue: B-

High Volt RGB LED RibbonLyte

B- → B-
G- → G-
R- → R-
V+ → V+

AC Power 100-240VAC

Wiring as DMX Master Mode

r.u.1 Master Mode

r.u.2 Decoder Mode

r.u.2 Decoder Mode

High Volt RGB LED RibbonLyte

AC Power 100-240VAC

OPERATION

- "3" button
- "2" button
- "1" button

A. Choose mode

Hold button 1 & 2 together until **r.u.1** digital display flashes, click button 3 to choose 1 or 2.

r.u.1 is DMX Master mode.
r.u.2 is DMX Decoder mode.

After choose ru1 or ru2, then hold any one button to confirm the setting.

B. Set DMX Decoder Address

If the controller at DMX Decoder mode **r.u.2**, you need to set the DMX address by holding any one of the buttons until the display flashes, then click the buttons to set address, then hold any one button to confirm the setting.

C. Set DMX Channels

After setting the controller at DMX Decoder mode **r.u.2**, you can set the DMX channels by holding button 2 & 3 together until display flashes, then click button 1 to choose 1 or 3, then hold any one button to confirm the setting.

3cH means the decoder occupies 3 dmx address, usually for RGB LED strip.

1cH means the decoder occupies 1 dmx address, usually for mono LED strip.

Note: the factory defaults setting is DMX Decoder mode ru2, 3cH

Instruction for Master Mode **r.u.1**

1. All the connected DMX decoders should be address 001 only.
2. After set the controller to be DMX Master mode, you can adjust its programs, brightness, speed.
3. Keep on clicking button 1 you can get **P,S,b,c.**

P means program, keep on clicking button 3, to play 10 running programs.

S means speed, keep on clicking button 3, to adjust the speed of running programs.

From **S-1** to **S-9**, speed turns slower and slower.

b means brightness, keep on clicking button 3, to get 8 levels of brightness.

From **b-1** to **b-8**, brightness turns more and more bright.

c means color, keep on clicking button 3, to get total 9 static colors.

PROGRAMS

P-XX MEANS RGB COLOR CHANGING MODES
00 - RGB off
01 - Static red
02 - Static green
03 - Static blue
04 - Static yellow (50% red + 50% green)
05 - Static orange (75% red + 25% green)
06 - Static cyan (50% green + 50% blue)
07 - Static purple (50% blue + 50% red)
08 - Static white (100% red + 100% green + 100% blue)
09 - Any two colors of RGB mix fade, changing diagram as follow:

REV.22APR2022