



moodstrip<sup>TM</sup>

300

1000

**Instruction Manual**

# Introduction

Thank you for choosing a Zoom Manufacturing Moodstrip 300 or 1000. You now own a beautiful and powerful state-of-the-art LED lighting product. Prior to use, we suggest that you carefully read all of the instructions. By following the suggestions found in this user manual, you can look forward to a reliable performance from your Moodstrip 300 or 1000 for years to come. The Moodstrip is a low voltage & waterproof RGB light strip.

Moodstrip Controller is an intelligent power source with multi functions console. It can also to be applied on dimming and on/off switch. The voltage supply is DC24V, three outputs to control R, G & B, with a current of 3.5A each, total output of 15A. This controller can be used independently or controlled by a DMX-512 controller.

## Suitability of Use

This product has been designed for the frequent user. Zoom Manufacturing reserve the right to refuse warranty repair on this unit if it has been used in the incorrect manner and/or application.

Please follow these operation, safety and maintenance instructions to ensure a long and safe life for your Moodstrip.

## CAUTION:

Please read the instruction manual carefully before installation and comply with the guideline.

Never apply it to the circumstances of erosion, flammability and explosion.

Please don't install near any direct heat-source this may damage the Moodstrip/ Moodstrip controller.

Do not stare directly into LEDs this may inpear vision.

Ensure all the connectors are correctly connected pair to use.

# Unpacking & Inspection

Open the shipping carton and verify that all equipment necessary to operate the system has arrived intact.

One Moodstrip controller  
One power cord.  
One RGB connector to moodstrip 300 or 1000  
At least one Moodstrip 300 or Moodstrip 1000

## Set up:

Connect the RGB connector to the controller from left to right:

White wire Red end, Red wire, Green wire, Blue wire.

Connect the first Moodstrip to the end of the RGB connector, then connect additional moodstrips. The connector of last moodstrip has to be sealed with special end cap to ensure against the entrance of water and/or other sundries. Supply the power to controller and then see **Operation**.

## Installation Indication:

First of all, fasten the fixation clincher on the tube with bolt (two ends). Please pay attention that the directions of both clinchers are the same. Then, fasten the fixation clinchers to the decoration subject with bolt. Finally, connect the male and female connectors of tubes tightly, screw the nut and supply the power to controller.

# Operation

1) Pushing the MODE button to select: DMX, Manual, Roll or Auto modes.

**Manual Mode:** In Manual mode, press the FUNCTION button after entering this mode, the LED menu display will show correspondingly R000, G000 or B000.

R stands for red output,  
G for green,  
B for blue.

Press UP or DOWN to adjust the output figure from 000 to 255 (dimmer level 000 is off 255 full brightness)

**Roll mode:** In Roll mode, press the FUNCTION button after entering this mode, the display will display correspondingly ro-1 or SP01 or FS00. "RO", "SP" and "FS" stand for roll mode, roll speed and strobe speed respectively. Press UP and Down to adjust respectively the ROLL mode between 1 to 4, ROLL speed between 01 to FL, corresponding time between 0.12S to 6S, strobe speed between 00 to 99, corresponding speed between 25Hz to 0.5Hz.

Colour order: RED-GREEN-YELLOW-BLUE-PURPLE-CYAN-WHITE

**Auto mode:** In Auto mode, press FUNCTION button after entering this mode, the display will display correspondingly SP01 or FS00 OR FD00. "SP", "FS" and "FD" stand for colour-changing speed, strobe speed & step speed. Press UP & DOWN to adjust respectively colour-changing speed between 01 to 100, corresponding time between 0.12s to 6s, and strobe speed between 00 to 99, corresponding speed between 25Hz to 0.5Hz, step speed between 0 to 10s.

Colour order: RED-GREEN-YELLOW-BLUE-PURPLE-CYAN-WHITE

**DMX Mode:** In DMX mode, press the FUNCTION button. The LED menu display will show either d001 or d-P1. "d001" stand for the Moodstrip controller initiative address to receive DMX signals. Press UP or DOWN to adjust the address between 001 to 512; enter d-P1, denotes the mode of reception of DMX signal, press UP or DOWN to choose P1 or P2, the work mode as following

Channel	CH 1	CH 2	CH 3	CH 4	CH 5	CH 6
P1	Fixed program	Output Control	Strobe Speed	No function	Step Speed	No function
P2	Red	Green	Blue	Output Control	Strobe Speed	Step Speed

Cable length limits:	Percentage of full load	Output Distance (Meters)	Output Cable diameter
	0-100%	1m-20m	>/= 1.5mm2
	0-40%	21m-40m	>/= 1.5mm2
	41-100%	21m-40m	>/= 2.5mm2

## TROUBLESHOOTING

1. The screen does not light.  
Check the power connection.  
Check the socket
2. The buttons do not work  
Check whether all the springs of the buttons are still elastic to bounce back.  
Check whether a clear sound is produced by pressing the button.
3. The screen is flashing after connected to the power.  
Check if there is any button spring loses its elasticity to bounce back.

If all the methods above do not work, please contact the tech support

## FAMILIAR PROBLEMS AND SOLUTION:

- 1: It doesn't light.  
Check the power supply and the controllers fuse  
The reliability of every connection.
- 2: If not enough brightness.  
Please check the correct voltage input.  
Check the connections are tight.

# Specification

## Moodstrip 300

Source: High brightness LEDs  
Quantity of LED: R-15; G-15; B-15PCS  
Luminance: 21.3LM  
Beam Angle: 85o X40 o  
Wavelength(nm): R:620-630  
                          G:510-520  
                          B:470-480  
VF value: R:1.9-2.3; G:3.0-3.8; B-3.0-3.8  
Operating Power: 3.84  
Operating Current: 0.16A  
Operating Voltage: 24VDC  
Size(mm): L375XW45XH45(cm)  
Weight:0.2KG  
Life Span:100,000HRS  
Operating Temp: -20 o C-60 o C  
Humidity Range: 0-95%  
Controller: SRC-181-24V  
Max. Load:60PCS

## Controller

- Weight: 1.6kg
- Size: 360\*210\*65(cm)
- Input voltage: 220VAC---240VAC
- Output voltage: 24VDC
- Max. output power consumption: 360W
- Signal output connector:
- DMX connector: 3-pin connector
- Out shell: Q235

## Moodstrip 1000

- Source : High brightness LEDs
- Quantity of LED: R-45PCS; G-45PCS; B-45PCS
- Luminance:64LM
- Beam Angle: 85o X40 o
- Wavelength(nm):R:620-630  
                          G:510-520  
                          B:470-480
- VF value: R:1.9-2.3; G:3.0-3.8; B-3.0-3.8
- Operating Power:11.5W
- Operating Current: 0.48A
- Operating Voltage:24VDC
- Size(mm): L1035XW45XH45(cm)
- Weight: 0.35KG
- Life Span:100,000HRS
- Operating Temp: -20 o C-60 o C
- Humidity Range: 0-95%
- Controller: SRC-181-24V
- Max. Load: 20PCS

# Warranty



SERIAL NUMBER:

DATE PURCHASED:

Attach a copy of invoice for warranty claims. Keep this instruction manual safe

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