DMX512 Controller

LED full color controller

DMX300

Features

Meets DMX512(1990)
Digital screen shows current status
Wireless remote controller
256 levels of grey, totally 16.77 million colors, really full color
Various modes with Pause function
Eight different speed level
Automatic parameter memory
Can be re-programmed by software
Various output interface, XLR-3 Male & Female, RJ45
Convenient for wiring and installation
Good function at anti-jamming and auto-resumption.

General Introduction:

DMX300 is a full-color LED control system which uses on indoor and outdoor decorative lighting. It comprises scene-edit software and controller. You can edit various lighting effects by downloading the programme which edit according to your special requirement from your PC.This control system can fulfill 256 grey levels for each R,G,B color,totally 16.77 million real full-color. With the wireless remote controller, you can achieve the mode change and speed adjustment very conveniently.There are 30 modes and 8 levels of speed you can choose, and with the pause function,you can keep the fixed color optionally.

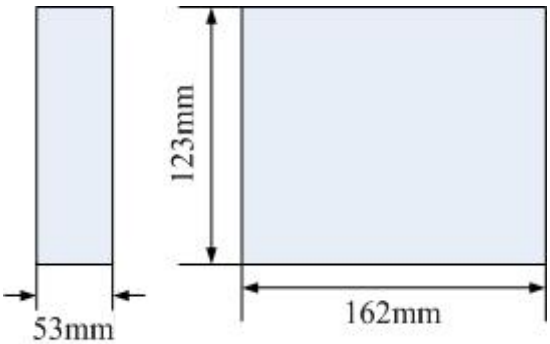
Technical Parameter

Input Voltage:	12VDC（Include 220/110VAC to 12VDC(Power adaptor）
Power Consumption:	< 5W
Memory:	64KB
Output channel:	1 port
Transmission interface:	DMX512（1990）
Transmition speed:	250Kbps
Pixels:	50 pixels，170 pixels max.
Lamp type can be controlled:	Wallwashing light, Tube light, Cube light,Underground…
Control mode:	Asynchronous full-color control
Remote distance:	50M
Description:	Default 30 modes, ,such as flash, fade,streamy,chase, etc.

Package

Size:	162(mm)*123(mm)*53(mm)
G.W.:	1 KG
N.W.:	0.8 KG

Dimension Diagram



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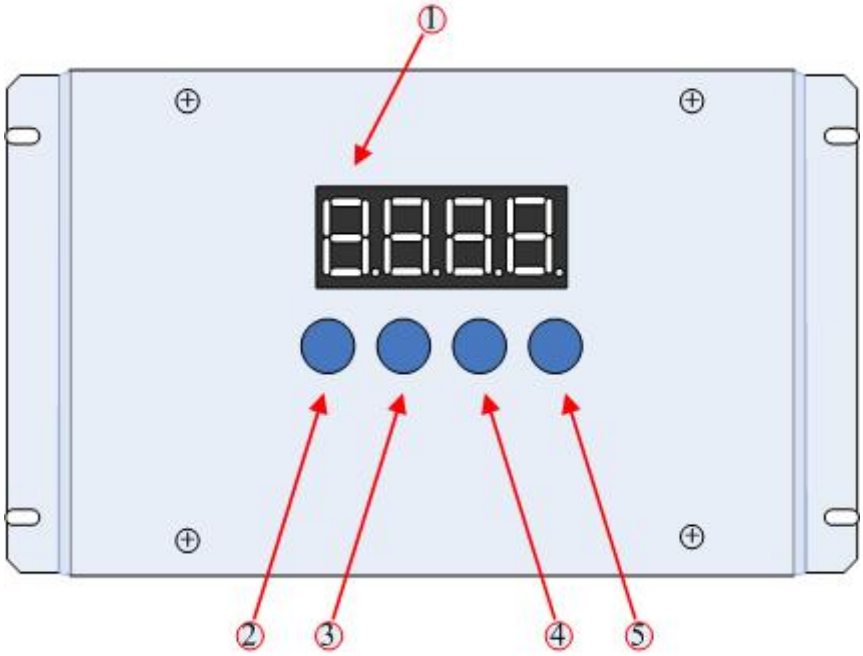
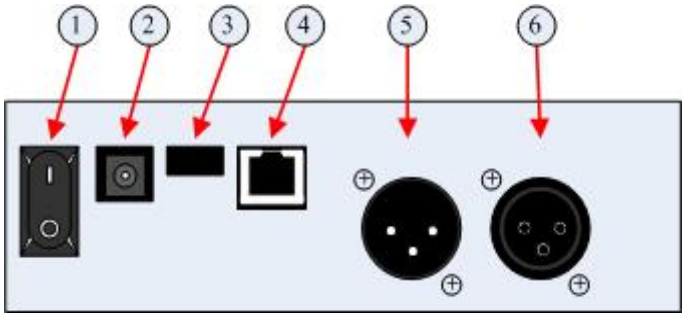
DMX300 Top Panel Instruction



①Digital screen (First two numbers indicate the mode(01-30),the fourth number indicates the speed(1-8))
②MODE: Change mode by pressing this button
③PAUSE: Keep the fixed color by pressing this button
④SPEED+: Speed up by pressing this button
⑤SPEED-: Speed down by pressing this button

Remark: When you press the button ②MODE, the first two numbers of digital screen will show the mode number 01-30. When you press the button ③PAUSE, the whole screen will show "P" only. You can return to the previous mode by pressing ③PAUSE again. The fourth number in the digital screen will show you the speed level, from 1 to 8 (fastest to slowest).

Back Panel Instruction



①Power On/Off
②12VDC input interface
③USB download interface
④RJ45 Output
⑤XLR 3 Male output interface
⑥XLR 3 Female output interface

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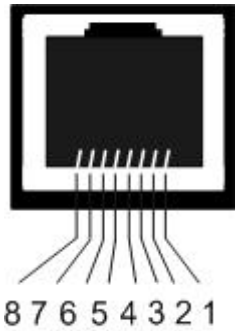
DMX300 Output interface Instruction

1. RJ45 output interface

1: DATA+
2: DATA-
3-6: NC
7-8: GND



2.XLR 3 output interface

1: GND
2: DATA-
3: DATA+

Button function of Remote controller

A-Mode: Change mode by pressing this button
B-Pause:Keep the fixed color by pressing this button
Press it again to keep changing
C-Speed+:Speed up by pressing this button
（default: Fastest speed level 1）
D-Speed-:Speed down by pressing this button

DMX300 Default Mode Instruction

Mode 1: Fixed Red
Mode 2: Fixed Green
Mode 3: Fixed Blue
Mode 4: Fixed Yellow
Mode 5: Fixed Light Blue
Mode 6: Fixed Purple
Mode 7: Fixed White
Mode 8: Seven color fade
Mode 9: Full color fade
Mode 10: Rainbow changing
Mode 11: Water flowing
Mode 12: Tail Chase
Mode 13: Color stack
Mode 14: Chase(Blue,Purple)
Mode 15: Six color fade (single color fade-over each time)
Mode 16: Red, green & blue fade (single color fade-over each time)
Mode 17: Red & green fade (single color fade-over each time)
Mode 18: Red & blue fade (single color fade-over each time)
Mode 19: Gree & Blue fade (single color fade-over each time)
Mode 20: Red single color fade
Mode 21: Greed single color fade
Mode 22: Bule single color fade
Mode 23: Seven color jumping changing
Mode 24: Six color jumping changing
Mode 25: R, G, B three color jumping changing
Mode 26: Red & green two color jumping changing
Mode 27: Red & blue two color jumping changing
Mode 28: Green & blue two color jumping changing
Mode 29: white jumping changing(dark to bright)

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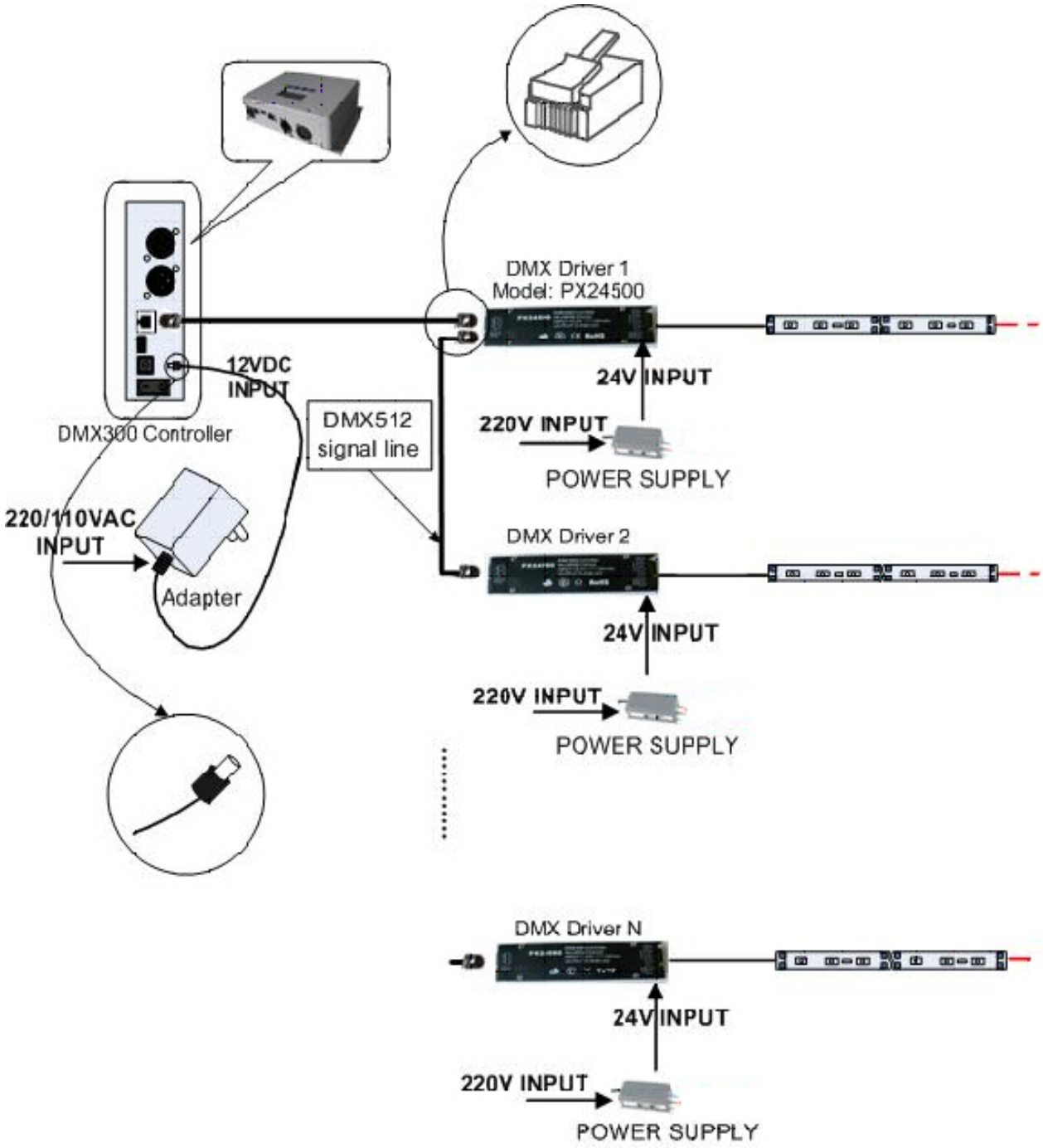
DMX300 Wiring Diagram