

Installation Guideline for DMX Lighting Console & Converter



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DMX LIGHTING CONSOLE and CONVERTER system from LED, Inc. is a powerful controlling system for LED lighting presentation. With a friendly interface and based on RS-485 protocol, it helps you to create the effects/scenes in your project. By linking them all together with our LED modules or strips, it becomes very easy for you to reach your fantasy!

- ◆ Works for both PC mode and stand alone mode (internal memory)
- ◆ Built-in real time clock / Timer function
- ◆ Dimming / Speed adjustment functions
- ◆ Ease of programming through the use of supplied software

»Specifications

	<i>DMX Lighting Console</i>	<i>DMX Converter</i>
Part No:	04007-2000	04007-3000
Dimensions: (L*W*H)	3.5" x 3.1" x 1.6" (90.0 x 79.0 x 40.0 mm)	4.0" x 2.0" x 1.1" (101.6 x 50.8 x 28.0 mm)
Weight:	0.3 Lbs (0.14 Kg)	0.2 Lbs (0.09 Kg)
Input Voltage:	9-12V DC	12V DC
Input Current:	300 mA	9 A Max.
Power Consumption:		108 Watts Max.
Operating Temperature	32-140°F (0-60°C)	32-140°F (0-60°C)

»Overview of DMX Lighting Console



BUTTON +

Go to the next scene

BUTTON -

Go back to the previous scene

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BUTTON A

Dimmer button. Keep this button pressed simultaneously with the [+] or [-] button to dim in or out from a scene.

SCENE NUMBER

The number shows what the current scene is. (shows "PC" while linking USB with computer)

#

Blinks quickly in a PC mode, and blinks slowly in the stand alone mode

POWER

ON if the interface is powered

DMX

Blinks quickly if the interface works correctly

DMX PORT

Output DMX signal to DMX converter

POWER SWITCH

Left is for the USB, and right is for the EXT (to the external 9V-12V DC power supply)

USB

Connection to the computer

9V-12V DC POWER

Connection to the 9V-12V DC power supply

PERIPHERAL PORT

Connection to the external devices, such as a keypad or a MIDI controller

» Overview of DMX Converter



TOP VIEW



FRONT VIEW

SCENE LIGHT

Shows the effect while the scene is playing

LED OUT

Connection to LED modules or LED strips

DMX OUT

Output DMX signal to the next DMX converter

DMX IN

Input DMX signal from a DMX converter or a DMX controller

DC POWER

Connection to the 12V DC power supply

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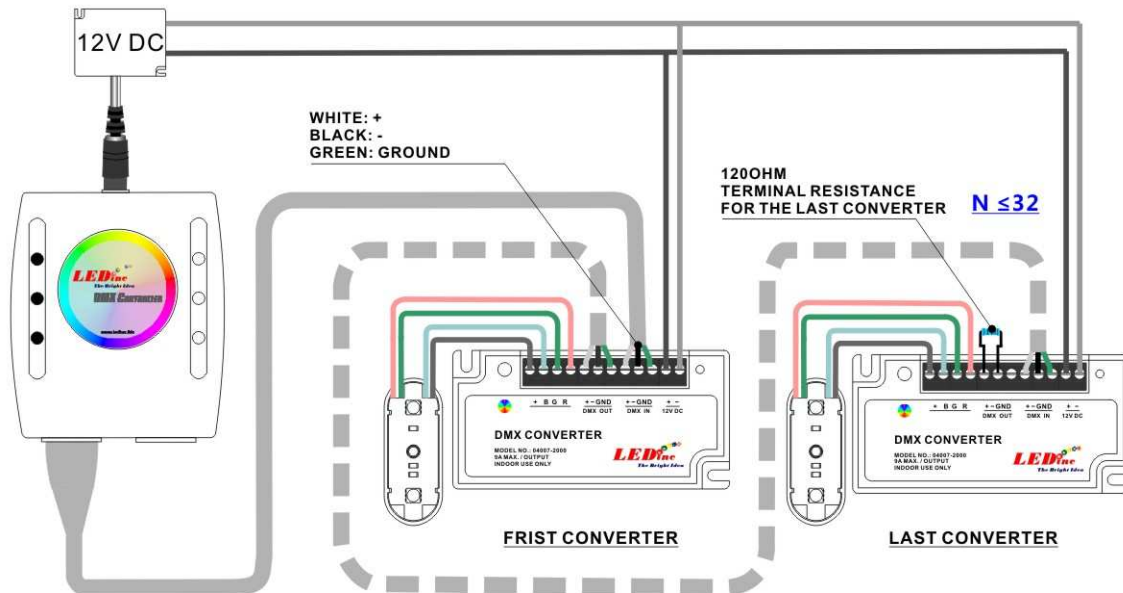
POWER LIGHT

Indicates the power supply is working normally

ADDRESS SWITCH

Set the DMX converter address as binary number (please see the appendix A: DMX converter address list).

» Wiring Diagram



» Instructions

- Step 1.** Connect the DMX lighting console with DMX converter
- Step 2.** Link the LED module or LED strip to the DMX converter
- Step 3.** Set the DMX converter address
- Step 4.** Turn the power on your system

» Notes

- There are 3 default scenes in the DMX lighting console. (Based on 9 converters)
 - 1) Rainbow Symphony
 - 2) Ocean Breeze
 - 3) Knight Rider
- The DMX converter should be operated with the DMX lighting console
- The maximum linked quantities of DMX converter under 1 DMX lighting console is **32**
- 5** DMX lighting consoles max. can be synchronized in one project.
- A terminal resistance (120Ω/0.25W) must be added to the last converter
- To avoid an evident voltage or signal drop, the maximum wiring distance we recommend:
 - 1) Controller to the last Converter: **328** feet (100 meters)
 - 2) Each Converter to LED module/Strip: **33** feet (10 meters)