




User Manual


Technical Pro LED Par Can with Power Linking

MODEL: LGSPOT18

WARNING!

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER ON THIS SPEAKER. THERE ARE NO USER-SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO A QUALIFIED TECHNICIAN

 The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of "dangerous" voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans. Users should exhibit extra safety when this symbol appears in this instruction manual and follow all precautions as they are stated.

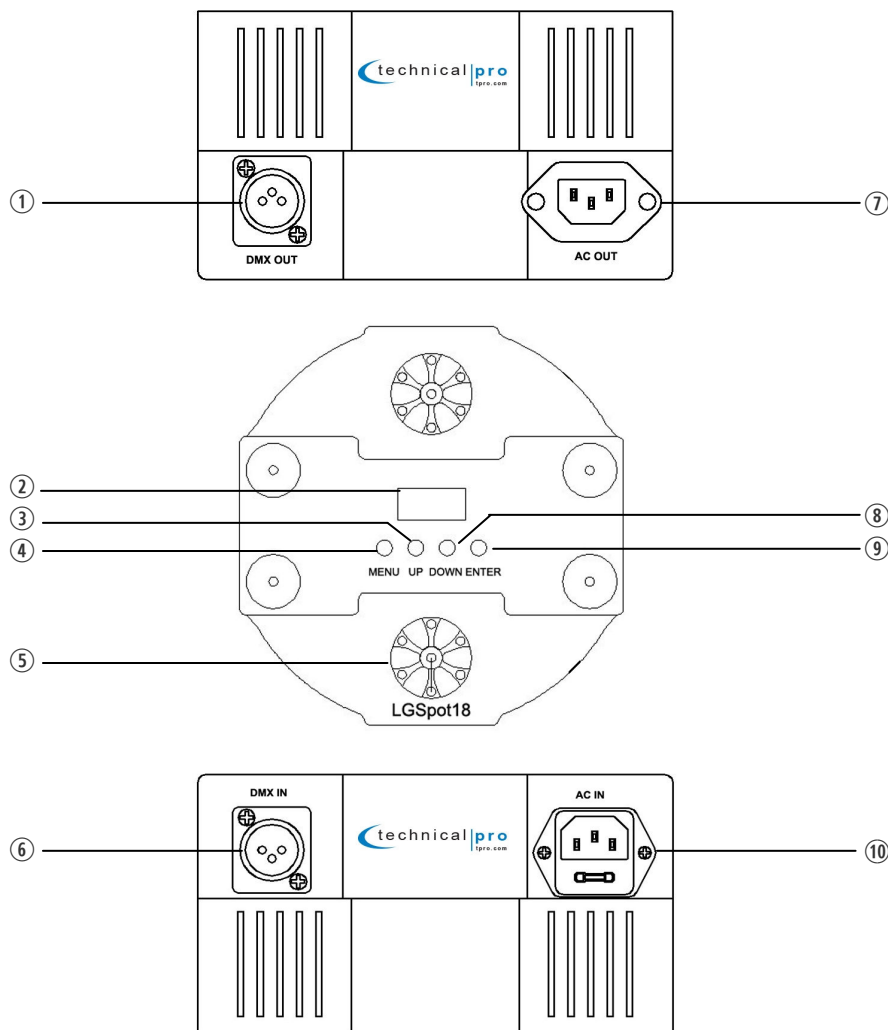
 The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in this manual.

- 1- Read these instructions thoroughly before using this item.
- 2- Keep these instructions for future reference.
- 3- Heed all warnings.
- 4- Follow all instructions.
- 5- **WARNING:** To prevent fire or electric shock, do not expose this equipment to rain or moisture. Do not store or operate this product near any liquids.
- 6- Clean only with a dry cloth.
- 7- Do not store or operate this product near any heat sources such as radiators, heat registers, stoves, or other apparatuses (including amplifiers) that produce heat.
- 8- Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a round grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician for the replacement of the obsolete outlet.
- 9- Protect the all wires connected to this unit from being walked on or pinched, particularly plugs and the point where they exit from the unit. When removing the cord from the power outlet, remove it by holding the plug not by pulling the cord.
- 10- Unplug the unit during lightning storms or when unused for long periods of time.
- 11- When wiring this unit and all other equipment used in connection to this unit make sure that all of your equipment is turned OFF.
- 12- Once installation and wiring is complete power on all your equipment with the volume and level controls turned DOWN. Once all the equipment is ON slowly raise the volume or level controls to their proper positions.
- 13- When grounding this unit, be sure to do so correctly, so as not to defeat the built-in grounding in this unit.
- 14- Before placing, installing, rigging, or suspending any product, inspect all hardware, suspension, cabinets, transducers, brackets and associated equipment for damage. Any missing, corroded, deformed, or non-load rated component could significantly reduce the strength of the installation, placement or array. Any such condition severely reduces the safety of the installation and should be immediately corrected. Use only hardware which is rated for the loading conditions of the installation and any possible short-term, unexpected overloading. Never exceed the rating of the hardware or equipment.
- 15- Consult a licensed, Professional Engineer regarding physical equipment installation. Ensure that all local, state and national regulations regarding the safety and operation of equipment are understood and adhered to.
- 16- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Introduction

Congratulations and thank you for your purchase of this Technical Pro LED Par Can. To get the most from your unit it is recommended that you review all of the information provided in this instruction manual before operating this equipment.

LGSPOT18 Panel:



1. DMX Output (XLR): DMX (Digital Multiplex) is the form of communication between controller and fixtures. When linking multiple LGSPOT18 units simply connect the DMX OUTPUT to the DMX INPUT on the next unit.
2. LED Display Screen: The LED display screen will show the settings information.
3. UP Button: Press this button to increase the number on the display screen. Press and hold down this button to rapidly increase the number.
4. Menu Button: Press this button to switch between the multiple settings on the LGSPOT18. More details on the settings can be found below.
5. Cooling Fan: Keep both vents clear to allow for the unit to properly cool.
- 6 DMX Input (XLR): DMX (Digital Multiplex) is the form of communication between controller and fixtures. Connect the DMX output from the controller to this input. When linking multiple LGSPOT18 units connect the DMX OUTPUT to the DMX INPUT on the next unit.
7. Power Output: When linking multiple units connect the power output to the power input on the next unit.
8. DOWN Button: Press this button to decrease the number on the display screen. Press and hold down this button to rapidly decrease the number.
9. Enter Button: Press this button to save your settings to memory.
10. Power Input: Connect the power cable to this input to power the unit on. When linking multiple units connect the power output to the power input on the next unit.

AC Power Cord Connection:

To connect the power cord to the LGSPOT18 plug the female side of the power cord into the power cord input which is on the rear of the unit. Then plug the male side of the power cord to an electric outlet. When linking LGSPOT18 units to each other connect the power output on the first unit to power input on the next unit.

The AC power cords supplied purposefully have 2 blades and one grounding prong. If your outlet is not equipped to handle this type of plug, do not attempt to forcefully plug this AC power cord into the outlet, and do not alter the plug so that it can fit in the outlet. The only course of action you can take is to find another outlet which is properly equipped to handle a grounded plug or have an electrician upgrade your electrical outlet. Be sure that the plug is well connected so that it does not disconnect in the middle of usage. If at any point in time the supplied AC power cord is punctured or damaged replace it with a new power cord from a local electrician.

Operating Modes

Gradual Color Changing:

Press the menu button until FF“XX” appears on the display screen. Press the up and down buttons to adjust the speed at which the colors change.

To have the colors change rapidly set the unit to **FF01**

As the numbers increase the speed at which the colors change will slow down.

To have the colors change slowly set the unit to **FF99**

Strobe Light Effect:

Press the menu button until CC“XX” appears on the display screen. Press the up and down buttons to adjust the speed of the strobe effect.

To have a rapid strobe light effect set the unit to **CC01**

As the numbers increase the speed at which the strobe lights change will slow down.

To have a slow strobe light effect set the unit to **CC99**

RGB Color Dimmer Mode:

Press the menu button until r“XXX” (red), G“XXX” (green) or b“XXX” (blue) appears on the display screen. You can use the steps below to adjust the intensity of the Red, Green and Blue LEDs respectively. Once the settings are set the unit will display a color based on the intensity of each of the colors.

To set the unit to display a solid RED output, set each of the colors to the following settings, where Red has been set to the maximum intensity and Green and Blue have been set to the minimum intensity:

r255 **G000** **b000**

To set the unit to display a solid GREEN output, set each of the colors to the following settings, where the Red has been set to the minimum intensity and Green has been set to the maximum intensity and Blue have been set to the minimum intensity:

r000 **G255** **b000**

To set the unit to display a solid BLUE output, set each of the colors to the following settings, where Red and Green has been set to the minimum intensity Blue have been set to the maximum intensity:

r000 **G000** **b255**

Also, you can choose different two color combination from the LED display, like red&green; red&blue; green&blue.

White Color Dimmer Mode:

When all three colors (Red, Green and Blue) are set to the same intensity the color will output WHITE. Press the menu button until u"XXX" (white) appears on the screen. The u"XXX" setting is a new setting creating a shortcut to have the unit display a white output. Instead of manually setting red, blue and green to the same intensity, just set the u"XXX" to the desired setting and it will automatically adjust the red, blue and green settings. For example, setting the unit to u255 will automatically create the following settings; r255, G255 & b255. This is display the maximum intensity white output. To display the minimum intensity white output, set the unit to u001.

Once the u"XXX" setting has been created you can manually adjust the red, green and blue settings as well. However, if the u"XXX" setting is adjusted it will once again reset the other three colors.

Demo Mode:

To set the unit to display in demo (demonstration) mode press the menu button to dEoo

Sound Activated Mode:

To set the unit to output the LEDs based on the sound in the room, press the menu button to SoUd

Master / Slave Mode:

When linking multiple LGSPOT18 units without the use of a DMX controller use the Slave feature to have one LGSPOT18 control the output of all the other LGSPOT18 units. Connect the LGSPOT18 units to each other using the XLR inputs and outputs. Set all of the units that you want to be controlled to the SLA setting. Then program the controlling unit to the settings you would like to see displayed. The master / slave feature allows you to control multiple units without having to physically go to each unit and alter the settings allowing you to quickly adjust the color output throughout the entire venue in seconds.

3 Channel Mode:

When using the LGSPOT18 together with a DMX controller, set the LGSPOT18 to one of the settings as d000 – d512 to determine the address of the respective LGSPOT18. For example, setting a LGSPOT18 to d001 will allow the DMX controller to set the Red, Green and Blue settings by making adjustments on the CH1, CH2 and CH3 settings of the DMX controller.

DMX Channel	Value	Controls
CH1	0	Red off
	1- 255	From dark to bright
CH2	0	Green off
	1- 255	From dark to bright
CH3	0	Blue
	1- 255	From dark to bright

7 Channel Mode:

When using the LGSPOT18 together with a DMX controller, set the LGSPOT18 to one of the settings as **A001** - **A512** to determine the address of the respective LGSPOT18. For example, setting a LGSPOT18 to A001 will allow the DMX controller to set the Dimming, Red, Green, Blue, flash, color changing and speed by adjusting the settings of CH1, CH2, CH3, CH4, CH5, CH6 & CH7 of the DMX controller.

DMX Channel	Value	Controls
CH1	0 - 255	Dimming
CH2	0	Red off
	1 - 255	From dark to bright
CH3	0	Green off
	1 - 255	From dark to bright
CH4	0	Blue off
	1 - 255	From dark to bright
CH5	1 - 255	Flash from slow to fast
CH6	1 - 63	Color gradual: Channel 7 control speed
	64 - 127	Pulse change: Channel 7 control speed
	128 - 191	Color jump: Channel 7 control speed
	192 - 255	Sound-activated function open
CH7	0 - 255	Speed