



## PSC PowerStar EuroLiFE Distribution Box

*Made in the U.S.A.*



- 8 XLR Outputs Each with Power Filtering and Polyfuse Protection
- 4 USB Power Outlets
- 1 SpeakOn Power Input
- 8 Segment Multi-Colored LED battery Meter
- Easy to Use "ON" and "OFF" Buttons
- Secure, ¼"-20 Threaded Mounting Points, Thumb Screws Provided

### Operation Manual Version 1.0

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28085 Smyth Drive, Valencia, CA 91355 USA

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Thank you for purchasing your new PSC PowerStar EuroLiFE power distribution box. This new power system provides Power Distribution, Power Filtering and Protection Circuitry all in a compact box. We believe this design is the new gold standard for compact field power systems.

**PLEASE BE SURE THAT YOU HAVE READ AND UNDERSTOOD THIS ENTIRE OPERATIONAL MANUAL BEFORE OPERATING THIS PRODUCT!**

**ALL AUXILARY EQUIPMENT SHOULD BE REVERSE POLARITY PROTECTED AND PROPERLY FUSED AT ALL TIMES. THE POWERSTAR EUROLiFE DISTRIBUTION BOX IS DESIGNED FOR USE WITH EITHER THE PSC PELICAN LiFE BATTERY OR WITH PSC PELICAN SEALED LEAD ACID BATTERIES AND IS FACTORY ADJUSTED FOR USE WITH LiFEPO4 BATTERIES OR WITH SELAED LEAD ACID BATTEREIS. PLEASE CONSULT THE FACTORY FOR USE WITH OTHER BATTERY TYPES. YOUR POWERSTAR EUROLiFE DISTRIBUTION BOX MAY NEED INTERNAL ADJUSTMENTS TO BE COMPATIBLE WITH OTHER BATTERY TYPES.**

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## DISTRIBUTION BOX:



The PSC PowerStar EuroLiFE Distribution Box contains eight (8) DC power output connections on 4 pin female XLRs. A SpeakOn connector used to connect the unit to a PSC Pelican LiFE Battery or similar power source. The front panel of the distribution box contains a Multi Colored LED "Fuel Gauge" to indicate battery charge level. In addition there are Power "ON" and "OFF" push button switches (delayed action for "OFF" switch) and four USB charging port outputs. The USB ports can deliver a total of 4 amps of output current (20 watts).



The Distribution box can easily be mounted to your sound cart with two (2) of these thumb screws. It mounts directly under the top handle assembly of the PSC EuroCart or nearly any sound cart.



**PSC PowerStar LiFE distribution box mounted under the PSC EuroCart Handle.**

**BATTERY CABLE CONNECTION:** The PSC PowerStar EuroLiFE Distribution Box is equipped with a 4 pole SpeakOn connector for its power input. Please make sure that your 2 pole or 4 pole SpeakOn cable is made from heavy duty cable (12 AWG) and is also made as short in length as possible in order to minimize cable voltage drops. We recommend that you keep the cable length to 3' (1M) or less for best performance.



**DC CONNECTIONS:** There are eight (8) XLR female DC output connectors located on the bottom edge panel of the PSC PowerStar EuroLiFE Distribution Box. Each of the eight (8) output connectors are rated for 3.5 Amps of output current. Each connector is individually Poly Fuse protected and filtered to provide clean, reliable DC power.



**Eight (8) Output Connectors @ 3.5 Amps**

**POWER SWITCHES:** There are two round, momentary push button switches used to turn the unit on and off. The GREEN “ON” push button switch is used to turn the unit on. The RED “OFF” push button is used to turn the unit off. Please note that the RED “OFF” push button switch is equipped with a time delay circuit. You must press and hold this push button switch for 6-8 seconds before the unit will shut off. This time delay function serves to keep you from accidentally shutting down the PSC PowerStar EuroLiFE unexpectedly while working.



**RED and GREEN Power On and OFF switches**

**FUEL GAUGE:** The PSC PowerStar EuroLiFE Distribution Box is equipped with an easy to read and easy to understand multi-colored battery “Fuel Gauge”. Just a quick glance and you will immediately know the charge condition of your battery. A full row of Green LEDs indicates a fully charged battery. As the battery is discharged, the LEDs slowly go out. It is similar to reading the fuel gauge in your car. When the last (left most) Red LED goes out, the unit will shut down to protect the LiFE batteries from deep discharge.



**Battery “Fuel Gauge”**

**AC INDICATOR:** Whenever the unit is used in conjunction with the entire PSC PowerStar EuroLiFE System, the BLUE “AC” LED will light by indicating AC power is connected.

**USB CHARGING PORTS:** The PSC PowerStar EuroLiFE Distribution Box is equipped with four (4) USB charging ports for your convenience. These four USB charging ports output 5Vdc up to a total of 4 Amps of output.

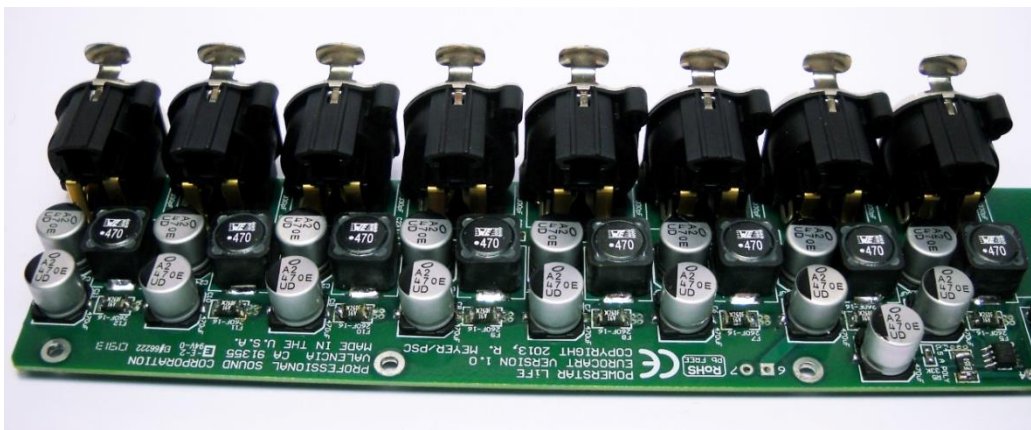


**4 x USB charging ports.**

**EQUIPMENT POWER CABLES:** PSC recommends that you use only two conductor, unshielded 16AWG power cable for power distribution. Shielded cable is not recommended as the shield may cause short circuits between adjacent pins on the connectors. Please keep all cables as short as possible as this will minimize DC voltage drop across the cable.

**WARNING:** It is highly recommended that you have your cables built by qualified personnel and tested prior to use with your PowerStar EuroLiFE. All power cables should be clearly labeled on both ends as to what they are to be connected to. For example, label one end “PowerStar EuroLiFE” and the other end “Solice Mixer”. This will help prevent inadvertently connecting the cables to the wrong piece of equipment. We cannot stress enough the importance of good quality power cables and careful connections. Poorly constructed and/or labeled cables can result in equipment damage!

**POWER FILTERING:** All PSC power products contain PSC Quiet Power Technology tm. This power filter technology allows the PSC PowerStar EuroLiFE to deliver clean, quiet DC power for all of your sound equipment powering needs. These filters include both audio and RF frequency filters to ensure trouble free DC power distribution in the field. Nearly all of today’s audio equipment contain DC to DC convertors within their power supplies. These convertors can and will cause inter-modulation noise when connected to common DC power sources such as a battery. Here at PSC we firmly believe that proper DC filtering can and will eliminate most noise issues in the field. Our competitors do not understand inter-modulation noise and thus do not take the additional steps to prevent it like we do at PSC. Though not every piece of equipment will suffer from inter-modulation noise issues, here at PSC we believe that the extra parts cost and design time are worth it if it solves even one issue in the field. Why do we spend the extra \$50.00 to \$100.00 to include these parts? Because we think you deserve the best quality DC power available.



**PSC Quiet Power tm Filters shown near output XLRs (some components not visible in photo)**

## **TERMS OF USE:**

THE IMPROPER CONNECTION OF THIS POWER SUPPLY TO AUXILIARY EQUIPMENT MAY RESULT IN DAMAGE TO SAID EQUIPMENT AND/OR PERSONAL INJURY. THIS PRODUCT IS DESIGNED TO BE OPERATED BY PROFESSIONALS IN THE FILM AND TELEVISION INDUSTRIES. THE PSC POWER STAR EUROLIFE DISTRIBUTION BOX SHOULD ONLY BE OPERATED AFTER READING AND UNDERSTANDING THIS ENTIRE INSTRUCTION MANUAL. THE OPERATOR OF THIS POWER SUPPLY ASSUMES ALL RESPONSIBILITY AND LIABILITY FOR PROPER USE AND OPERATION OF THIS EQUIPMENT! PROFESSIONAL SOUND CORPORATION AND/OR ITS EMPLOYEES AND OFFICERS ASSUME NO RESPONSIBILITY OR LIABILITY FOR PERSONAL AND PROPERTY DAMAGE INCURRED DUE TO ACCIDENT, CARELESS HANDLING, ABUSE OR MISSUSE, IMPROPER CONNECTION, AND/OR INSTALLATION, IMPROPER ELECTRICAL CONTACT OR GROUNDING. OWNERSHIP AND/OR USE OF THE PSC POWERSTAR EUROLIFE CONSTITUTES AGREEMENT WITH THESE TERMS.

## **Limited Warranty Certificate**

Professional Sound Corporation warrants the entire product for a period of one year from the original date of purchase and agrees to repair or replace such defective parts or the whole product at its option, provided that the equipment is returned to Professional Sound Corporation. Shipping and insurance costs to and from Professional Sound Corporation must be prepaid by the owner. This warranty does not cover damage due to accident, careless handling, abuse or misuse, improper connection and/or installation, improper electrical contact, charging or grounding. This warranty will be null and void in the event of removal, alteration or tampering with the serial number, or by service or repair work not performed by Professional Sound Corporation. This warranty is in lieu of any other warranty, expressed or implied, including warranties without limitation, products being merchantable at the time of purchase or suitable for a particular purpose. This warranty does not extend to, or include consequential damage.



## **SPECIFICATIONS:**

<b>SIZE:</b>	<b>9.00" wide, 1.75" deep, 2.75" high (23cm x 4.4cm x 6.8cm)</b>
<b>WEIGHT:</b>	<b>1.0Lbs (450gm)</b>
<b>TEMPERATURE RANGE:</b>	<b>Use: -4F to +124F (-20C to +50C)</b>
<b>AC INPUT:</b>	<b>100 – 240Vac, 47Hz -63Hz</b>
<b>OUTPUTS:</b>	<b>8 x 3.5Amp</b>
<b>OUTPUT VOLTAGE:</b>	<b>12.8Vdc Nominal</b>
<b>OUTPUT CURRENT:</b>	<b>On LiFE Battery, 15 Amps.</b>
<b>USB CHARGING PORT:</b>	<b>4 Ports, Total Output 5Vdc at 4 Amps</b>
<b>Warranty:</b>	<b>Electronics and Case, 1 year, Limited</b>

# **CE**

## **DECLARATION OF CONFORMITY**

**EMC:** This product is in compliance with the Electromagnetic Compatibility Directive, 89/336/EEC as defined in EN 50081-1, EN55022 and EN 50082-1. IEC801-2, IEC801-3 and IEC801-4.

**LVD:** This product is in compliance with the requirements of the Low Voltage Directive, 73/23/EEC. 93/68/EEC as defined in EN60065, 1993 and/or EN60950/A1/A2/A3: 1995

**TRADE NAME:** PSC

**MODEL:** PowerStar EuroLiFE Power Distribution Box

**RESPONSIBLE PARTY:** Professional Sound Corp.  
28085 Smyth Drive  
  
Valencia, CA 91355 USA

**CONTACT PERSON:** Ronald Meyer  
  
(661) 295-9395

**TYPE OF PRODUCT:** Power Distribution

**MANUFACTURER:** Professional Sound Corp.  
  
28085 Smyth Drive  
  
Valencia, CA 91355 USA

We hereby declare that the equipment bearing the trade name and model number listed above has been tested in accordance with the requirements contained in the above listed directives. All necessary steps have been taken and are in force to assure that production units manufactured will conform to Directive guidelines.

January 2019

Professional Sound Corporation.