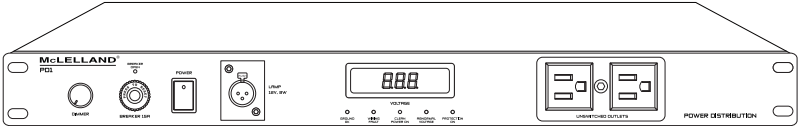


# PD1 | POWER DISTRIBUTION



# DEAR CUSTOMER

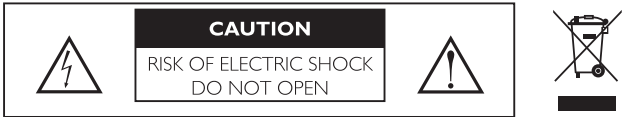
Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## WARNING

1. Do not expose this unit to water, moisture, or excessive humidity.
2. Do not install or place this unit in a built-in cabinet, or other confined space without adequate ventilation.
3. To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.
4. Do not install near any source of heat, including other units that may produce heat.
5. Do not place unit near flames.
6. Only clean unit with a dry cloth.
7. Unplug unit during lightening storms or when not used for an extended period of time. A surge protector is strongly recommended.
8. Protect the power cord from being walked on or pinched, particularly at the plugs.
9. Use unit only with accessories specified by the manufacturer.
10. Refer all servicing to qualified personnel.

## CAUTION

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,  
DO NOT REMOVE COVER (OR BACK).  
NO USER-SERVICEABLE PARTS INSIDE.  
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



# INTRODUCTION

The McLELLAND PD1 Power Distribution is designed for professional audio, video, and media control applications. The PD1 provides advanced noise filtration and superior protection from power fluctuations and surges. This high performance, rack-mounted PD1 features excellent isolation circuitry, so noise generated by one of gear will not influence the performance of other connected equipment.

To protect connected equipment from even the most powerful surges, the design of disconnect technology not only suppresses sudden spikes and surges, it also sounds an audible alarm to let you know that your equipment has been protected from the accident of abnormal AC power. Dependability and performance are built into PD1 from the ground up to support the reliability of your system design.

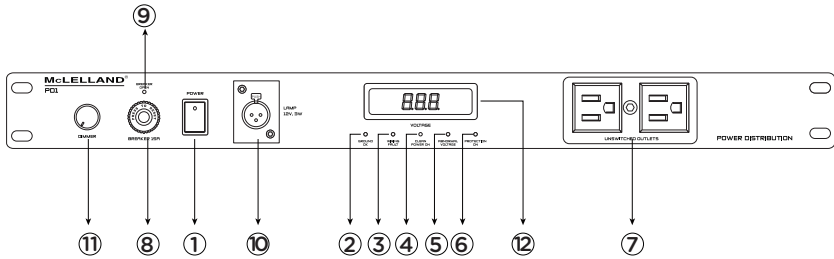
# FEATURE

- \*Power-up in 2 delayed outlet groups: Analog/Digital, High Current.
- \*The high current outlets are turned on last after a 6-second delay, preventing a loud thump from getting to your speakers. Power down is in the reverse order to protect your equipment.
- \*Two unswitched outlets on front panel.
- \*High quality RFI filtering with multi-stage PL filter.
- \*Dual protection provides audible and visual alarm for rigorous protection
- \*Dimmable front XLR lamp socket
- \*Heavy-duty cable for excellent power transfer
- \*24K gold contact ground plug for super conductivity.
- \*Multiple units may be linked to handle higher currents.
- \*Sequenced AC power turn-on and turn-off stages for equipment protection and overload prevention

# SPECIFICATION

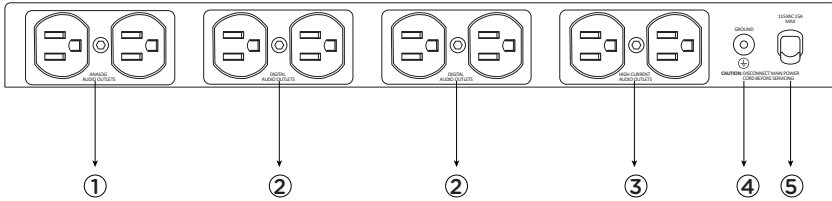
Isolation Filters: 2  
Operation Voltage: AC 90V - 140 V  
Current Rating: 15 Amp  
Maximum Wattage: 1800 Watts  
Voltage Meter Accuracy:  $\pm 2$  Volts  
Front XLR Lamp with Dimmer: Yes  
Front Outlets: 2  
Rear Outlets: 8  
Protection Mode: Line-Neutral, Line-Ground, Neutral-Ground  
Total Energy Dissipation: 2775 Joules  
Clamping Level (TSS Voltage) : 400 Volts  
Clamping Response Time: Less than 1 Nanosecond  
Dimensions: 482.6 mm x 44 mm x 254 mm(WxHxD)  
Weight: 5.4Kgs

# FRONT PANEL



1. **ON/OFF Switch:** Once the PD1 is plugged into a grounded 120V outlet, turning the Front Panel switch to the “ON” position will provide AC power sequentially to the components plugged into the PD1’s Switched, and Switched (Timed) outlets. Turn “OFF” this switch to power down the rear outlets.
2. **Ground OK:** When this LED is On, the PD1 is plugged into a properly grounded 120V AC power outlet. If the LED is Off, unplug the PD1 immediately. McLELLAND is not responsible for equipment damage due to improper grounding of your residential or commercial outlets.
3. **Wiring Fault:** This LED indicates if the Line and Neutral wires inside the wall outlet are reversed. If this LED is on, unplug the unit immediately and consult your electrician.
4. **Clean Power On:** This LED indicates that the PD1 is providing filtered AC power to all connected components.
5. **Abnormal Voltage:** When this LED is On, the PD1 warns of unstable power conditions (over 130 VAC or under 90 VAC).
6. **Protection On:** When this LED is On, PD1 Surge Protection Circuitry is functioning properly. If this LED is off, PD1 Surge Protection Circuitry has malfunctioned. If the light is off, unplug the PD1 immediately.
7. **Unswitched Outlets:** These outlets provide an easy front panel connection that is “always on,” even when the PD1 is switched off. These outlets provide filtered power.
8. **Thermal Circuit Breaker:** Protects the PD1 from power overload.
9. **Breaker Open:** When this LED is on, the thermal circuit breaker has tripped, due to overload, to protect your equipment. Find the reason for overload, correct it, and press the breaker in to reset.
10. **12V XLR Lamp Socket:** Provides 12 volts (pin 2) to the flexible Light.
11. **Dimmer:** This knob controls the flexible Light; Push On/Push Off, clockwise brighter, counter-clockwise dimmer. The Light can be turned on even when the unit is switched off.
12. **Voltage Display:** Three-character 1-line LED numeric display indicates the AC voltage the unit is receiving from the wall AC outlet.

# REAR PANEL



- 1. Analog Audio Filter (Switched) Outlets:** These outlets have a special filter circuit that reduces audible noise in your analog components (mixers, etc).
- 2. Digital Filter (Switched) Outlets:** These outlets have a special filter circuit that is designed to reduce AC supply interference to your digital components (such as effects, CD Players, and Computers). They also isolate the rest of your system from noise generated by the digital components themselves.
- 3. High Current Filter (Timed) Outlets:** These outlets have a special filter circuit designed to handle high current components like power amplifiers. **IMPORTANT NOTE** It does not harm digital components, analog components or amplifiers to be connected to the “wrong” filter section. However, for the best possible performance, we recommend plugging in digital to digital, analog to analog and amps to high current filter outlets.
- 4. Gold-Plated Ground Post:** Provides a ground reference point for any ungrounded components.
- 5. AC Power Cable:** High-density, double-shielded AC Power cord is specially designed to maximize power transfer to ultra-high power components such as amplifiers.