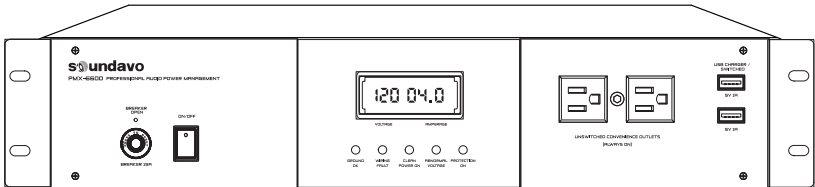




PMX-6600

PROFESSIONAL AUDIO
POWER MANAGEMENT



DEAR CUSTOMER

Thank you for purchased **Soundavo** product. Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

WARNING

1. Do not place or install this device in an area where it can be exposed to excessive amounts of dust, humidity, oil, smoke, or combustible vapors.
2. To prevent risk of electrical shock or fire hazard, due to overheating do not obstruct unit's ventilation openings.
3. Do not install near any source of heat, including other units that may produce heat.
4. Do not expose this device to excessively high temperatures. Do not place it in, on, or near heat sources, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight
5. Do not touch the device, the power cord, or any other connected cables with wet hands.
6. This device ventilates excessive heat through the slots and openings in the case. Do not block or cover these openings. Ensure that the device is in an open area where it can get sufficient airflow to keep from overheating.
7. Only clean unit with a dry cloth.
8. Unplug unit during lightning storms or when not used for an extended period of time.
9. Protect the power cord from being walked on or pinched, particularly at the plugs.
10. Use unit only with accessories specified by the manufacturer.
11. 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.



CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN



Introduction:

The PMX-6000 Professional Audio Power Management is a power conditioner and sequencer with excellent feature including the status and alert capabilities: a voltage meter and amperage meter for real-time analysis, LED status for ground-ing/polarity/noise filtering/abnormal voltage/surge protection, and an audio alarm for unsafe voltage. The multi-stage noise filtering for reduces frequency interference RFI & Electromagnetic Interference EMI. Specifically designed and engineered to provide a stable power and good circuit protection to your system.

Power-Up in 3 delayed outlet groups from zone 1 to zone 3 as Digital, Analog and High Power Filtered outlets for 6 seconds delay time between each zone, those 3 zones are powered off in reverse sequence. It will prevent annoying and some-times damaging THUMPS and POPS by turning power amplifiers ON last and OFF first. Sequentially powering ON multiple electrical / electronic components will also help manage high inrush currents that can cause circuit breakers to trip and current-limited power supplies to shut down. Which is a excellent feature for Home Audio, Instrument Rigs, Sound Recording Studio or Pro Audio/DJ equip-ment with power amplifier, active speaker and preamp/mixer application.

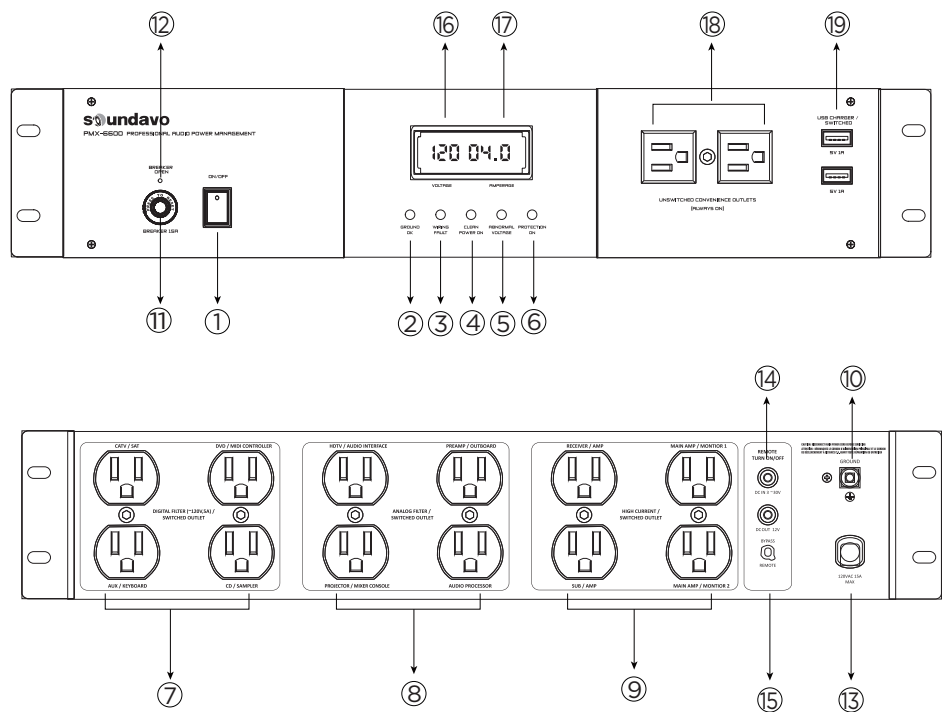
Feature:

- 14-outlets power conditioner
- Outlets are Individually optimized for digital, analog, and high-power devices (4 x each)
- 3-stages power up/power down system
- Time delayed outlets with 6 seconds of each group for high current devices help protect speakers and amplifiers
- RFI Filtering Technology to provide greater than 99% of noise filtering
- 12 switched back-panel outlets and 2 unswitched front-panel outlets
- Two switched USB chargers on front panel
- Circuit breaker
- 12-volt trigger input/output with bypass switch provided to allow triggering from a control system or other component
- Front panel digital LED meter display incoming AC line voltage & amperage

Spec:

- Voltage: 120VAC / 15A MAX
- Accessory Outlets: 12 Switched / 2 Un-Switched / 2 Switched USB charger
- Dimensions: Width 438mm (19") x Height 88mm (2U) x Depth 250mm
- Weight: 6.8+ kg

Front/Rear panel



- 1. ON/OFF Switch:** Once the PMX-6600 is plugged into a grounded 120VAC outlet, turning the front panel POWER switch to the ON position will sequentially power the components plugged into the rear panel outlets.
- 2. GROUND OK:** When this is on, the PMX-6600 is plugged into a properly grounded power source. If the LED is not on, unplug the unit from the power source and correct the fault
- 3. Wiring Fault:** This indicates the LINE and NEUTRAL wires in the source are reversed. Unplug the unit immediately and consult an electrician to fix the fault.
- 4. Clean Power On:** This LED indicates that the PMX-6600 is providing clean, beautiful AC power to all connected components.
- 5. Abnormal Voltage:** When this LED is ON, the PMX-6600 is warning about under/over voltage (greater than 132VAC or less than 100VAC).
- 6. Protection ON:** When this LED is on, the PMX-6600's power surge circuitry is functioning correctly. If this LED is OFF, the circuit has malfunctioned. If it is OFF, unplug the unit immediately.
- 7. Digital Audio (Switched) Outlets:** These outlets have a special filter circuit that is designed to reduce AC supply interference to your digital components (midi controller, sampler, CD player). They also isolate the rest of your system from noise generated by the digital components themselves
- 8. Analog Audio Flier (Switched) Outlets:** These outlets have a special filter circuit that reduces audible noise in your analog components (audio interface, preamp, audio processor, mixer console, projector)

9. High Current Filter(Switched) Outlets: These outlets have a special filter circuit designed to handle high current components like power amplifiers or Active Speakers

10. Gold-Plated Ground Post: Provides a connection point for any ungrounded components.

11. Thermal Circuit Breaker: Protects the PMX-6600 from power overload.

12. Breaker Open: When this LED is on the thermal circuit breaker has tripped due to an overload. Before resetting the breaker, find the reason for the overload.

13. Ultra-High Current AC Power Cable: Integral high power, heavy duty AC cable to maximize power transfer to high current components such as amplifiers.

14. Bypass/Remote Switch: The PMX-6600 has two power-on/off modes, one is through the Power On/Off Switch on the front panel, and the other one is through the external 12V trigger. (Once the PMX-6600 is powered on by "REMOTE" mode, then the Power On /Off Switch on the front panel will not functional)

BYPASS Mode: For those who do not wish to utilize the 12V triggering, a convenient bypass switch is located adjacent to the input and output jacks. By switch to the "BYPASS" position, the 2 x USB Chargers and 12 x Rear Panel Mounted Outlets (3 Zones) will be operated when the front panel power on/off switch is engaged.

REMOTE Mode: These require a 12 volt triggering device such as that typically found in most power receivers and audio pre-amp processors

WARNING: If the "BYPASS" switch is not engaged, All "Switched" outlets will not supply power until a 12V trigger is present!

15. Remote Turn On/Off: 3.5mm (1/8") mono mini-plug. Connect to a remote trigger device that used a DC output to trigger is startup/shutdown sequence. DC IN 2-30V

(Trigger In): Allows source components to control and turn on the switched outlets into operation of PMX-6600 DC OUT 12V (Trigger Out): Provides 12V signal to control source equipment or another PMX-6600 device for sequencing of equipment.

16. Voltage Meter: Three-character LED displays the line voltage at the source.

17. Amperage Meter: Three-character LED displays the amperage used by equipment plugged into the PMX-6600.

18. Unswitched Convenience Outlets: These are "always on" filtered power outlets

19. USB Charger: Two 5V/1A convenience chargers for portable electronic devices.

Note: For best performance were commend plugging analog components into the analog outlets and digital to digital. It will not harmony components if they are plugged into any other outlet

Trouble Shooting

Symptom	Possible Cause	Remedy
The PMX-6600 is not receiving power.	The PMX-6600 is not turned On.	<ul style="list-style-type: none">• Turn the PMX-6600 power switch to ON position.• Make sure the PMX-6600's AC power plug is plugged into a properly grounded 120 volts (nominal) wall outlet.• In some households, a wall switch may need to be turned on to make the wall outlet active. Try turning on the light switches located near the wall outlet.
	Too many devices are connected, causing an overload, tripping the Thermal Circuit Breaker.	<ul style="list-style-type: none">• Press the PMX-6600 resettable circuit breaker button in to reset. Please allow 10 minutes before attempting to reset. If reset too soon, the breaker will prematurely sense power overload and not allow the PMX-6600 to operate.• If the circuit breaker continues to trip, try moving one or more components to another PMX-6600. Too much current may be drawing through one PMX-6600.
Component is not receiving power.	The component is plugged into a switched outlet and the PMX-6600 has not been turned On.	<ul style="list-style-type: none">• Turn the PMX-6600 On.• Or, please double check see if the trigger switch has been selected to "BYPASS" positions. If the BYPASS switch is not engaged, All "Switched" outlets will not supply power until a 12V trigger is present!
	The PMX-6600 is plugged into a switched outlet, but power on the component is not On. In some instances, a component plugged into a switched outlet won't receive power when the PMX-6600 is turned On unless the component power is also switched On.	<ul style="list-style-type: none">• Turn the component power On.
Speakers emit a humming or buzzing noise.	The PMX-6600 is sharing AC power with equipment that is not properly grounded.	<ul style="list-style-type: none">• Connect your PMX-6600 to a dedicated outlet.• Try unplugging different components from the PMX-6600 one at a time to see if the noise stops.• If a component is discovered to be improperly grounded, attach a copper wire from the component's chassis to the PMX-6600 grounding post.

Safety instruction:

Caution: To reduce the risk of electric shock, do not remove the cover, no-user service able parts inside. Refer servicing to qualified service personnel.

Warning: To reduce the risk of fire or electronic shock, do not expose the appliance to the rain or moisture.

Read instructions: All the safety and operating should be read before the appliance is operated.

Retain instructions: All the safety and operating should be read before the appliance is retained for future reference.

Heed warning: All warnings on the appliance in the operating instruction should be adhered to.

Water and Moisture: Do not use this appliance near water (such as bathtub, washbowl, kitchen sink, laundry tub, wet basement, or near a swimming pool)

Heat: Guard against the heat sources such as radiators, stoves, or other equipments radiate heat.

Power source: The appliance should only be supplied with the type described in the operating instruction or marked on the rear panel of the appliance.

Grounding and Polarization: Do not force your appliance plug into an outlet that is not designed to accept a three-wire grounded-type AC plug (a three-prong plug). This plug is designed to be inserted into a grounded-type outlet only. If this plug doesn't fit directly inside your outlet, do not attempt to force it into the outlet.

Power Cord Safety: When routing your PMX-6600 AC power cord, do not place it near heavy foot traffic areas. If your power cord's protective jacket begins to rip or fray, exposing the internal wiring, shielding, etc., disconnect it from the power source and change to a new one immediately.

Avoid objects or liquids entry: Care should be taken so that objects or liquids will not be dropped into the enclosure.

Storm Precautions: In the event of a lightning storm, it's always a good idea to disconnect your appliance.

Proper Grounding: PMX-6600 requires a properly grounded 3-wire outlet for safety and to protect connected equipment.

Damage requiring service:

In the following circumstances, repairs should be performed only by qualified service personnel:

1. AC power cord or AC socket is damaged.
2. Any object has fallen into the appliance.
3. Liquid is spilled into the appliance.
4. The appliance has been exposed to rain.
The appliance dose not appear to operate normally.