

## OTHER POWER PROTECTION PRODUCTS

### TRANSFORMER BASED FILTER (TBF™) SERIES

Considered to be one of the most significant developments in the power protection industry. TBF™ Filters contain innovative technology that combines Surge Suppression and Noise Isolation which filters the noise on the ground to less than 0.5 Volts (US Patent # 6229682). Exclusive "POVP" Prolonged Over Voltage Protector (US Patent # 6560086) disconnects the output power if voltage exceeds 155 volts. Exclusive Smart Technology (US Patent #5721661) protects microprocessor based equipment against reverse polarity or no ground. The patented TBF™ filters prevent 90% of the power problems experienced by your POS system, computer, copier and facsimile machine.

### AUTOMATIC VOLTAGE REGULATOR - AVR SERIES

Regulates the voltage to protect equipment against voltage sags and brownouts. Electronic systems are designed to operate based on a clean and constant supply of AC voltage. Smart Power Systems' AVR line provides boost & buck capability to eliminate under or over voltage fluctuations.

### UNINTERRUPTIBLE POWER SUPPLIES - UPS SERIES

Smart Power Systems' Uninterruptible Power Supplies (UPS) integrated TBF™ Technology provide on-line power conditioning.

## WARRANTY

All Mega Conditioner units are guaranteed free of defects in material or workmanship for 2 years. See our website for more details - [www.smartpowersystems.com](http://www.smartpowersystems.com)

### \$25,000 Connected Equipment Warranty

If the Smart Power Systems equipment fails during the warranty period and this failure allows a surge to pass through and damage the connected equipment, Smart Power Systems will pay for the repair or replacement of the connected equipment of the original purchaser. See our website for more details - [www.smartpowersystems.com](http://www.smartpowersystems.com)

## IMPORTANT - RMA (Return Material Authorization)

If for any reason you need to return the **Mega Conditioner** unit to the manufacturer, you should obtain an RMA (Return Material Authorization) number before returning the unit. To request an RMA number please call 1-800-772-7633 or visit the website at [www.smartpowersystems.com/rma.htm](http://www.smartpowersystems.com/rma.htm)

### INSIDE THE BOX

- ▶ MC Unit
- ▶ User's Manual
- ▶ CAT.5 Patch Cord

**SmartPower**<sup>™</sup>  
.....SYSTEMS

7409 Railhead Ln. - Houston, Texas 77086 - Tel:(713)464-8000 - Fax:(713)984-0841  
E-mail: [support@smartpowersystems.com](mailto:support@smartpowersystems.com) - [www.smartpowersystems.com](http://www.smartpowersystems.com) **1-800-882-8285**

USER'S GUIDE

# Mega CONDITIONER

**ULTRA POWER FILTRATION**  
GROUND LOOP CURRENT PROTECTION



Models:

**MEGA1800, MEGA2400**

*Thank you for purchasing this Mega Conditioner. Smart Power Systems is dedicated to developing and manufacturing the highest performance power protection and filtration devices for your electronic equipment. Proper use of this device will provide the protection needed for your connected equipment.*

**SmartPower**<sup>™</sup>  
.....SYSTEMS

# IMPORTANT SAFETY INSTRUCTIONS

## WARNING

**SAVE THESE INSTRUCTIONS:** This manual contains important instructions that should be followed during installation and maintenance of the Mega Conditioner. • Install this unit in a controlled environment.

## CAUTION

- Risk of electric shock, do not remove cover. For service call Smart Power Systems at 800-772-7633.
- Avoid exposing the Mega Conditioner to direct sunlight, stoves or any other heat source.
- To prevent overheating, make sure that the ventilation openings of the unit are not covered.
- Keep unit away from moisture and dust.

## FEATURES

- Common Mode noise filtering: < 0.5 Volts
- Normal Mode noise filtering: <10 Volts
- Ultra power conditioning
- Voltage regulation
- Over and under voltage protection
- Site wiring fault indicator
- Ground loop current protection

This Mega Conditioner can be used with copiers, office equipment, computers and telecommunication systems.

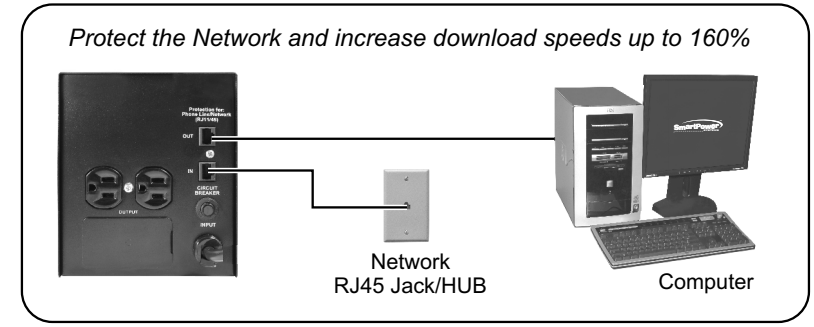
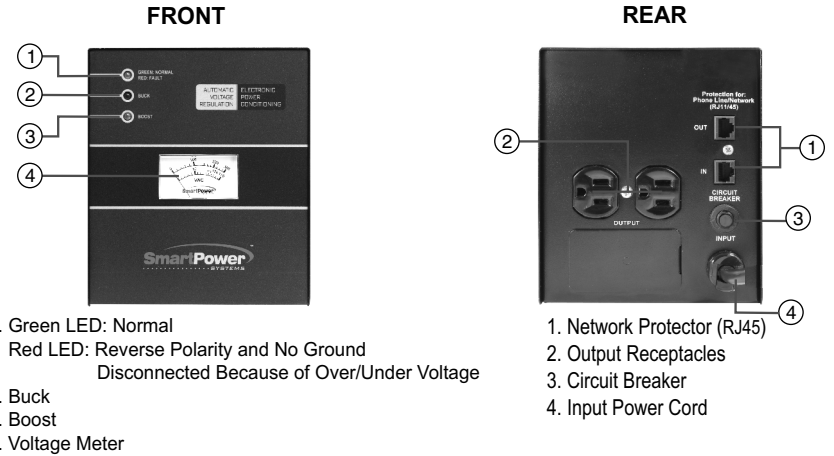
## DAMAGED UNIT ON ARRIVAL

Inspect Mega Conditioner unit for any damage on arrival . If damage is found, please contact the shipping company to file insurance claim.

## INSTALLATION & OPERATION

- Check in specifications if the Mega Conditioner unit has the same voltage/current rating as required.
- Connect input power cable to wall outlet.
- "Power On" LED will turn on. Mega Conditioner unit is running normal.
- Connect power cable of the equipment to be protected to Mega Conditioner's output outlets.

# SYSTEM DESCRIPTION



## SPECIFICATIONS

MODEL		MEGA1800	MEGA2400
Capacity	(Amps)	15	20
Input Voltage Range (VAC) / 50/60Hz		99-128	
Output Voltage Regulation	(VAC)	120±6.5%	
Over Voltage Protection - Disconnects the output when exceeds:	(VAC)	140-145	
Spike Transient Let Through Voltage (Common Mode)	(N-G)	<0.5V	
Spike Transient Let Through Voltage (Normal Mode)	(L-N)	<10V	
Input Plug		5-15P	5-20P
Receptacles		Two 5-15R	Two 5-20R
Dimensions Inches	(mm) DxWxH	13 x 5.5 x 6.6 (330 x 140 x 168)	
Net Weight	(Lbs./Kgs.)	15.7 / 6.7	17.5 / 7.9
Shipping Weight	(Lbs./Kgs.)	17.2 / 7.8	19 / 8.6
Operating Environment		Temperature: 0-40°C - Humidity: 0-90% (non condensing)	
WARRANTY		2 Years	

Specifications subjects to change without notice.