

# FURMAN SERIES III PS-8RE III

## 10 Amp PowerConditioner and Sequencer



Power Conditioning and Power Sequencing Maximizes System Reliability and Performance for a Wide Variety of Applications



Featuring SMP, LiFT, and EVS Technologies



### Features:

- Series Multi-Stage Protection (SMP) for virtually maintenance free protection from surges and spikes - no sacrificed parts, no service calls, and no downtime
- Furman's unequaled Linear Filtering Technology (LiFT) rids systems of AC line noise for consistent audio/video clarity
- Automatic Extreme Voltage Shutdown (E.V.S.) powers down equipment during a prolonged extreme over-voltage
- Six sequenced rear panel outlets (in 3 groups), two switched rear panel outlets, and one front panel switched outlet
- Momentary and Maintained sequencing via rear panel terminal block or front panel switch
- 10 amp rating

### New in PS-8RE III:

- All settings and configuration available on rear panel
- External delay and remote interface configuration; no need to remove the top cover to adjust potentiometers or jumpers
- Lower profile depth; shorter depth chassis provides more flexibility with rack placement and cable management
- Improved "Start On/Off Sequence" rocker switch; tactile black switch replaces push-button
- Non-illuminated power on/off switch; matte black switch for discreet aesthetics

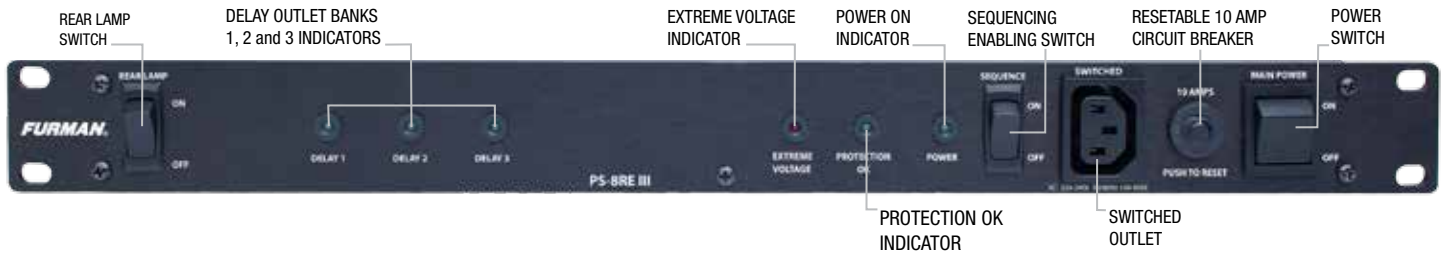
# FURMAN®

# SERIES III PS-8RE III

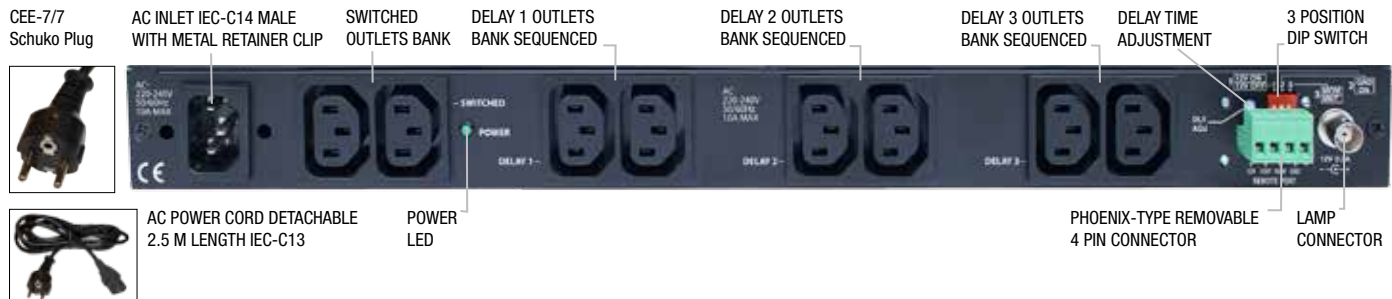
Featuring SMP, LiFT, and EVS Technologies



## FRONT PANEL FEATURES

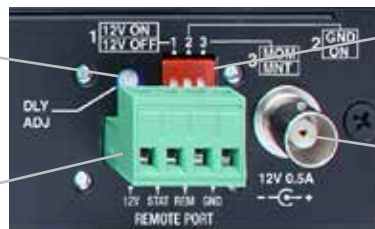


## REAR PANEL FEATURES



### Delay Adjustment

The delay interval, which is the time between the turn-on / turn-off of consecutive delay outlets 1 and 2, or 2 and 3, is factory preset to approximately 5 seconds. It is possible to lengthen or shorten the delay interval by changing the position of the DLY-ADJ trim pot located on the right side of rear panel.



### Dip Switches

A rear panel three position DIP switch is used to set the sequence mode (+12V ON, +12V OFF, GND ON, Mom/ Maint) which defines how the PS-8RE III will react to the signal presented on its REM input.

### Remote Interface

The PS-8RE III has a remote interface which can be used to control the PS-8RE III remotely using a Furman RS-1 (Maintained) or RS-2 (Momentary) wall switches (sold separately).

### Rear Lamp Socket

The PS-8RE III features a rear rack BNC socket which will accept any 12 VDC or 12VAC up to ½ Amp gooseneck lamp assembly, (such as the Furman GN-LED or GN-I).

## SPECIFICATIONS

### Maximum AC Current Rating:

- 10 Amps, 220 - 240 VAC @ 50 – 60 Hz (Thermal breaker)

### AC Cord:

- 1 mm<sup>2</sup> x 3, 2.5 m length, IEC-C13 (Female) to CEE-7/7 Schuko plug.

### AC Inlet:

- IEC-C14 (Male) with metal wire retainer clip

### AC Outlets:

- Convenience Outlet (Front Panel) 1 Switched IEC C-13
- Rear Panel Outlets: 2 Switched IEC C-13 (1 duplex),
- 6 Sequenced IEC C-13 (3 duplexes each controlled by separate relay)

### AC Surge Protection:

- Spike Protection Mode: Line to neutral, zero ground leakage
- Spike Clamping Voltage: 376VAC peak @ 6,000 Volts/3,000 Amps
- Response Time: 1 nanosecond
- Maximum Surge Current: 6,500 Amps
- AC Over-voltage Protection: EVS, 275VAC+/-5VAC
- AC Over-voltage Reset Modes: Auto
- Series Multi-Stage Protection

### AC Filtering:

- LiFT
- Noise Attenuation: 10dB @10KHz, 40dB@100KHz, 50dB@500KH

Specifications subject to change due to product upgrades and improvements.

### WEIGHTS, DIMENSIONS AND UPC CODES

MODEL	PRODUCT DIMENSIONS	WEIGHT	CARTON DIMENSIONS	WEIGHT	SINGLE UNIT UPC	MASTER PACK QTY	MASTER PACK UPC
PS-8RE III	19"L x 7"D x 1.75"H	7 lbs	22"L x 12"D x 3.5"H	8.5 lbs	654061041085	6	50654061041080

**FURMAN** [www.furmansound.com](http://www.furmansound.com)

Furman 1800 S. McDowell Blvd., Petaluma, CA 94954

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# CN-3600 SE

## Contractor Series SmartSequencers



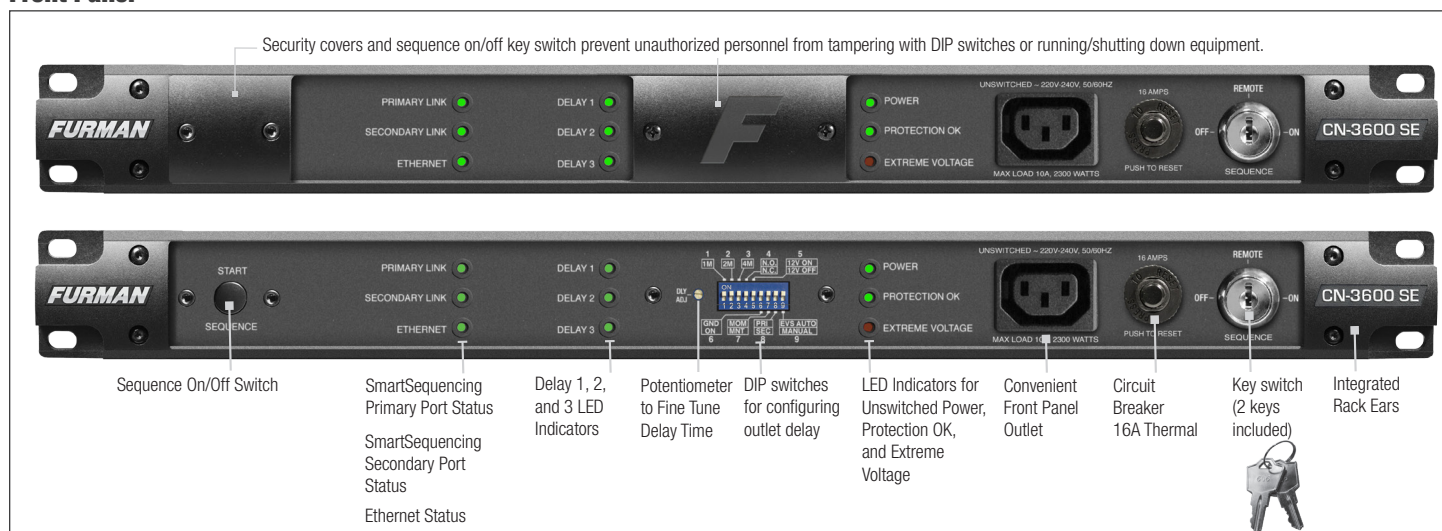
Furman's CN-3600 SE SmartSequencer™ combines protected AC power distribution and filtration with sequential system power on/off in a 1RU, 220-240VAC, rack-mount unit.

### Features

- SmartSequencing technology allows large and complex Pro A/V systems to be safely powered on and off with a simple press of a button or turn of a key.
- Multiple units may be daisy chained at runs of over 300 meters with bi-directional communications between units for sequencing on and off large and/or complex systems.
- RS-232 compatibility provides command set integration with control systems. An optional RS-232-to-Ethernet adaptor for control, programming, & monitoring from any Web-enabled device via Telnet, direct HTTP connection, or Panamax/Furman's BlueBOLT® platform.
- Series Multi-Stage Protection (SMP) ensures zero downtime for mission-critical installations by safely absorbing, clamping and dissipating transient surges and spikes without damage to internal circuitry or connected equipment.
- Extreme Voltage Shutdown (EVS) safeguards from catastrophic under-voltage (under 175V sustained) or over-voltage (over 275V sustained) conditions. Unit can be set to automatic or manual recovery after an EVS condition has subsided.
- Linear Filtering Technology (LiFT) ensures maximum performance from connected equipment by reducing AC noise evenly across the audio & video bandwidth.
- Security covers and sequence on/off key switch prevent unauthorized personnel from tampering with DIP switches or running/shutting down equipment.
- Fire alarm shut off.
- 16 Amp total capacity.
- 15 Year Limited Product Warranty. See warranty policy documentation for terms and conditions.

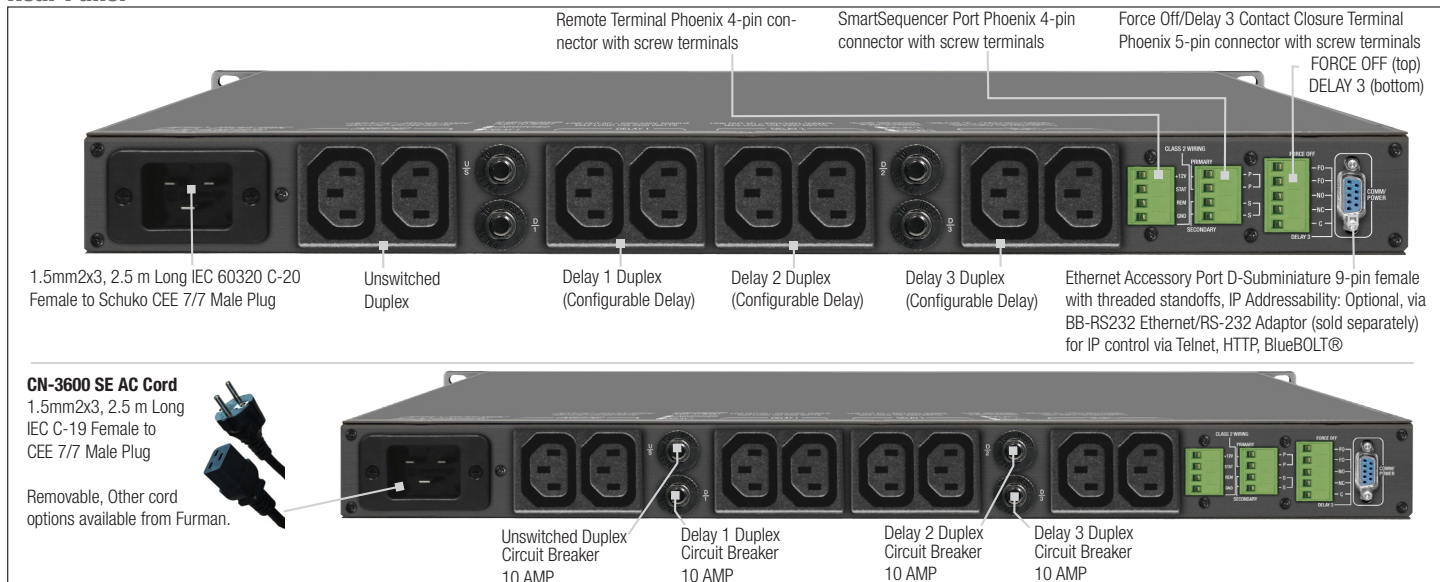


### Front Panel



# CN-3600 SE Contractor Series SmartSequencers

## Rear Panel



### CN-3600 SE AC Cord

1.5mm2x3, 2.5 m Long  
IEC C-19 Female to  
CEE 7/7 Male Plug

Removable, Other cord  
options available from Furman.

## Specifications

### AC Voltage Input Range

180-270 VAC, 50/60Hz

### Maximum AC Current Rating

16 Amps (Thermal breaker)

### AC Cord:

1.5mm2x3, 2.5m Long, black, IEC C-19 Female to Schuko CEE 7/7 Male Plug

### AC Receptacles:

Convenience Outlet (Front Panel) 1 IEC C-13 (Unswitched)

Rear Panel Outlets: 1 IEC C 13 pair (Unswitched), 3 IEC C13 pairs (Sequenced, each pair is controlled by separate relay)

### Surge/Under-Overvoltage Protection:

AC Surge Protection: Series Multi-Stage Protection (SMP)

Spike Protection Mode: Line to neutral, zero ground leakage

Spike Clamping Voltage: 375 V peak @ 6,000 volts/3,000 amps

Response Time: 1 nanosecond

Maximum Surge Current: 6,500 Amps

AC Undervoltage Protection: 175VAC+/-5VAC

AC Overvoltage Protection: EVS, 275VAC+/-5VAC

AC Overvoltage Reset Modes: Manual and Auto-reset (configurable)

### AC Filtering:

LIFT

Noise Attenuation: Linear, 10dB @10KHz, 40dB@100KHz, 50dB@500KHz

### Operating Temperature Range:

5C (40F) to 40C (105F) degrees

Specifications subject to change due to product upgrades and improvements.

### Humidity Range:

<90% rH (Relative Humidity)

### User Interface:

Key switch: Front panel, 3-position key switch (On, Off, Remote)

Keys: Included, 1 pair

Pushbutton Switch: Front panel, hidden by security cover

Circuit Breaker: Front panel, pushbutton, 16A Thermal Breaker

Front panel diagnostic indicators: Primary link, Secondary link, Ethernet, Remote off, Delay 1, Delay 2, Delay 3, Power, Protection OK, Extreme Voltage

Front Panel DIP Switches: Hidden by security cover, 1 Minute Delay, 2 Minute Delay, 4 Minute Delay,

Force Off NO/NC, 12V Mode On/Off GND Mode On, Momentary/Maintained, Primary/Secondary, EVS Reset Auto/Manual

Potentiometer: Front panel, hidden by security cover, fine tune delay adjust

### Control/Status/Triggering (Rear Panel):

Remote Terminal: +5-30VDC In, 12VDC (10mA) Out

SmartSequencing: Phoenix-type 4-Pin Connector with Screw Terminals, Primary & Secondary Links

(Current Loop - 300 m nominal)

Remote Terminal: Phoenix-type 4-Pin Connector with Screw Terminals; +12V, STAT, REM, GND

Force Off/Delay 3 Terminal: Phoenix-type 5-Pin Connector with Screw Terminals; FORCE OFF, DELAY 3

RS-232 Compatible: Yes, DE-9 Connector

IP Accessibility: Optional, via BB-RS232 Ethernet/RS-232 Adaptor (sold separately) for direct IP control via Telnet,

HTTP, BlueBOLT®

Voltmeter: Available data via RS-232 or Ethernet option, +/- 2VAC accuracy

Ammeter: Available data via RS-232 or Ethernet option, +/-1A accuracy

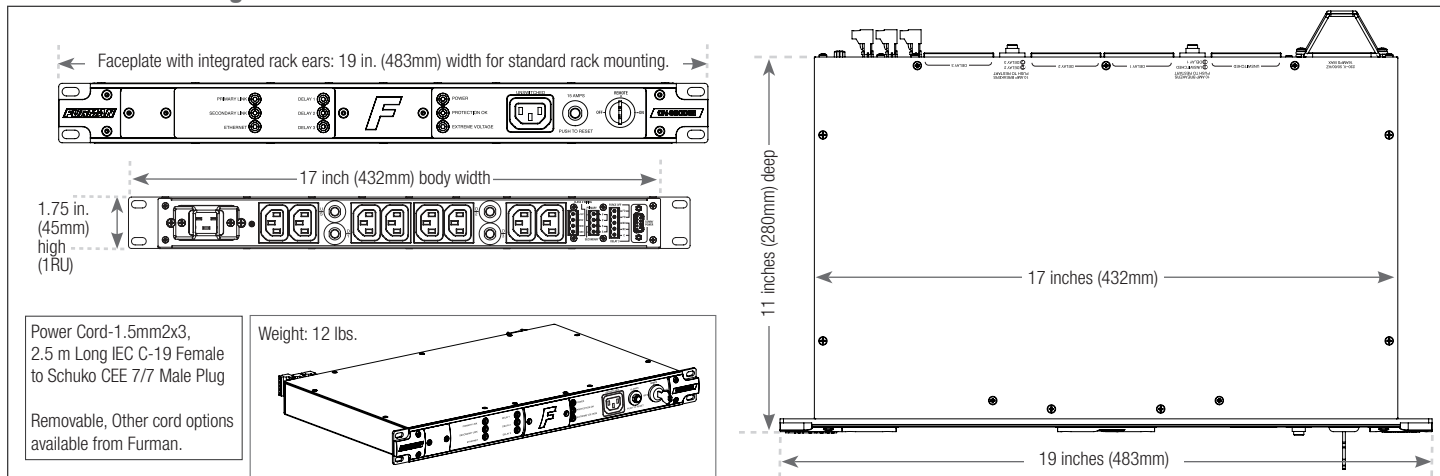
### Power Consumption (No Load): 10 Watts

Safety Agency Mark: CE

RoHS Compliant: Yes



## Dimensions and Weight





# 220V-240V CLASSIC SERIES POWER CONDITIONERS



Furman brings together superior protection and outstanding performance in a sturdy, rack-mountable design. Classic Series Power Conditioners feature Series Multi-Stage Protection (SMP), Linear Filtering Technology (LiFT), Extreme Voltage Shutdown (EVS), and offer a new industrial design and full feature set engineered specifically for the A/V professional.



PL-8C E FEATURES



PL-PLUS C E FEATURES



PL-PRO DMC E FEATURES

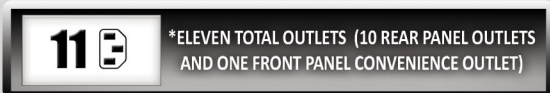
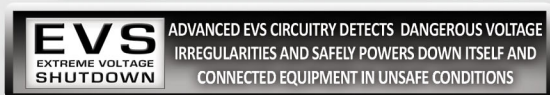
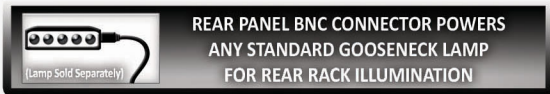
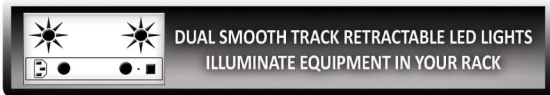


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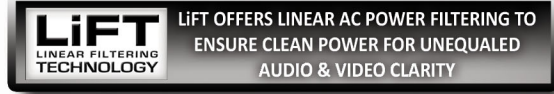
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# THE POWER OF **FURMAN** TECHNOLOGY

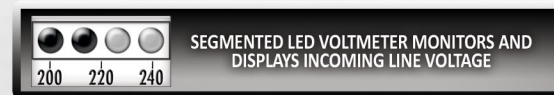
## PL-8C E FEATURES:



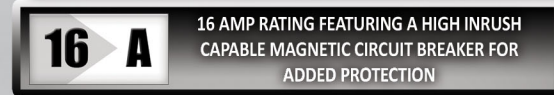
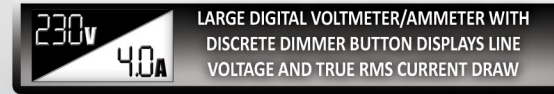
\*Models come equipped with a 2.5M cord with IEC female to male Schuko plug.  
Adapter cords are available separately. Please ask your Furman Representative  
for further information about your adapter needs.



## ADDITIONAL PL-PLUS C E FEATURES:



## ADDITIONAL PL-PRO DMC E FEATURES:



## CLASSIC SERIES REAR PANEL



PL-8C E/PL-PLUS C E REAR PANEL



PL-PRO DMC E REAR PANEL

## CLASSIC SERIES SPECIFICATIONS

**MAXIMUM OUTPUT CURRENT:**  
10 AMPS (PL-8 C E, PL-PLUS C E) - 16 AMPS (PL-PRO DMC E)

**LINE CORD:**  
3/1.0MM AWG, 2.5M CORD W/IEC FEMALE TO 10A SCHUKO PLUG

**PULL OUT LIGHTS:**  
TWO MULTI-LED, "SMOOTH TRACK" DIMMABLE LAMPS

**BNC SOCKET W/SWITCH:**  
REAR RACK LAMP, 12VAC 500MA MAX (LAMP NOT INCLUDED)

**OPERATING VOLTAGE:**  
180 TO 274 VAC

**OVER VOLTAGE SHUTDOWN:**  
275 VAC NOMINAL

**SPIKE PROTECTION MODES:**  
LINE TO NEUTRAL, ZERO GROUND LEAKAGE

**SPIKE CLAMPING VOLTAGE:**  
375 VAC PEAK @3,000 AMPS

**RESPONSE TIME:**  
1 NANOSECOND

**MAXIMUM SURGE CURRENT:**  
6,500 AMPS

**NOISE ATTENUATION:**  
10 DB @ 10KHZ, 40 DB @ 100KHZ, 50 DB @500 KHZ

**DIMENSIONS:**  
482.6MM W x 266.7MM D x 44.45MM H

**WEIGHT:**  
6 KG

**POWER CONSUMPTION:**  
12 WATTS



# MERIT X SERIES POWER CONDITIONERS

A Merit Series Power Conditioner is the perfect low-cost AC power solution for any rack mount system. Install an M-10x E or M-10Lx E in to the top slot of your rack, and the ten switched outlets in the rear panel will power up and protect all your equipment up to a 10-amp load. The M-10Lx E features two slide out, swiveling light fixtures to provide discreet illumination of your equipment on stages, in studios, and in other dark places. A dimmer knob lets you adjust the lamp brightness to just the right level. The M-10x is designed for applications where lights are not required.

## Merit M-10x E Power Conditioner



Noise  
Filtration



Surge  
Protection



Eleven Total  
Outlets



10 Amp  
Rating



"Protection OK"  
Indicator

## Merit M-10Lx E Power Conditioner



Noise  
Filtration



Surge  
Protection



Eleven Total  
Outlets



10 Amp  
Rating

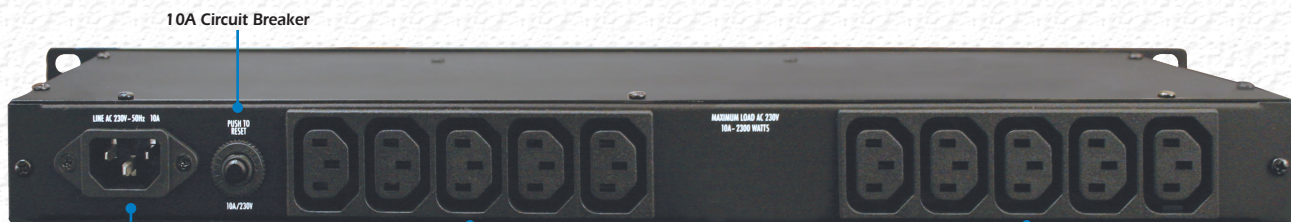


"Protection OK"  
Indicator



Front Panel  
Pull-out Lights

## Merit X Series Rear Panel Features



IEC C14 Inlet  
(1.5m IEC C13 to Schuko Power Cord Included)

(10) Filtered & Protected IEC Outlets

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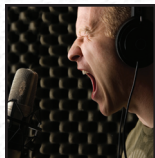
# THE SOLUTION TO POWER YOUR APPLICATION...

## INSTRUMENT RIGS



You've got a rack for your effects, preamps, tuner...You're going to plug that into the wall? One big spike and your rig is up in smoke. Furman's standard level surge/spike protection defends your gear from the spikes and surges that are so common at gigs and practice spots. With Furman's standard level RFI/EMI filtration, you'll get a quieter tone without pops, crackles, and the local radio station coming out of your amp. Plus, dual pull-out lamps (M-10Lx E) let you see your rack without turning the house lights on.

## RECORDING



Can't track down where that noise is coming from? Your mix sounding flat? With Furman's standard level RFI/EMI filtration you'll lower the noise floor caused by the dirty AC power coming into your console or DAW. Furman's standard level surge and spike protection keeps your sensitive digital equipment from acting funny or burning up due to everyday spikes and surges. With a 10A capacity and eleven total outlets, it's enough to power your whole home studio.

## DJ EQUIPMENT



Bars, clubs and other event venues have some of the worst power out there - from air compressors turning on and off to light shows pulling current loads up and down, the AC power can be a strain on the circuits in your rig. Furman's standard level protection and filtration keeps the bad stuff out and the the dual pull-out front panel lights (M-10Lx E) let you discreetly see your board and gear without distracting from the show on the dance floor.

## PRO AUDIO



When you're out there gigging, you never know what kind of power you're going to get. The wear and tear on mobile rigs eventually takes it toll - that's why it's smart to plug into Furman's standard level protection and RFI/EMI filtration. It keeps your equipment safe and sounding clean. Whether you're setting up a show at the local club or powering up the church band for their next service, make sure you give them power they can trust.

## MERIT X SERIES SPECIFICATIONS

### Maximum Output Current

10 Amps

### Line Cords

1.5 meter, removable, IEC C-13 female to Schuko male

### Lamps (M-10Lx E)

LED

### Operating Voltage

230VAC 50Hz

### Spike Protection Mode

Line to neutral

### Energy Dissipation

305 Joules

### Peak Impulse Current

12,000 Amps

### Maximum Continuous Operating Voltage

650 Volts

### Noise Attenuation (Transverse Mode)

Greater than 20dB, 1.5Mhz to 20Mhz

### Dimensions

1.75" H x 19" W x 7.5" D

### Weight

2.3 Kg.

### Three Year Limited Warranty

Merit Series units are protected by a limited three year warranty covering defects in materials and workmanship.

NEED ADVANCED FILTRATION AND PROTECTION? CHECK OUT FURMAN'S CLASSIC "SERIES II" POWER CONDITIONERS FOR A LOWER NOISE FLOOR AND ZERO DOWNTIME



PL-PLUS SERIES II E



PL-PRO D SERIES II E