



RP100-15RX  
RP100-20RX

*Power Monitoring  
Surge Protection  
Line Filtration  
Wiring Fault Protection*

## OWNERS MANUAL

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## **FEATURES SUMMARY**

- Digital LED meter to monitor volts and amps
- USB power ports on the front and back
- Ten AC receptacles designed to accommodate wall warts
- Tour Class (tm) chassis with reinforced mounting brackets
- RX Series power line protection

## **SAFETY PRECAUTIONS**

The RP100 (“RACKPOWER”) series are designed to operate with 120VAC, 60 Hz. Operation with 220 or 240 volts will cause damage and possibly personal injury.

### **CAUTIONS**

1. The RACKPOWER must be grounded to operate. It will not pass power without a connection to ground.
2. There are no user serviceable parts inside the RACKPOWER. Do not attempt service yourself. Contact Juice Goose as directed in this manual if service is required.
3. Do not expose the RACKPOWER to moisture. Avoid severe physical impacts to the unit.

## **DISCLAIMER**

Juice Goose shall under no circumstances be held responsible for any loss, damage or injury resulting from the use of the RACKPOWER in a manner inconsistent with any of the procedures outlined in this document. The user is responsible for determining whether this product is appropriate for the intended application.

Juice Goose is not responsible for any indirect, secondary or ancillary loss or damage, including personal injury, loss of or damage to property or loss of income resulting from the operation or failure of this unit.

## SPECIFICATIONS

DIMENSIONS (H x W x D Inches).....	1.72 x 19.00 x 7.00
CHASSIS DESIGN.....	Tour Class <sup>(TM)</sup> Unibody
WEIGHT (LBS).....	11
CURRENT CAPACITY	
RP100-15RX.....	15 Amps
RP100-20RX.....	20 Amps
VOLTAGE INPUT.....	120 VAC, 60Hz
USB PORTS (x2).....	5 VDC @ 500mA
POWER OUTLETS	
Fifteen Amp Units.....	10 NEMA 5-15R
Twenty Amp Units.....	8 NEMA 5-15R, 2 NEMA 5-20R
POWER CORD	
Fifteen Amp Units.....	7 Foot, 14/3 SJT with NEMA 5-15P
Twenty Amp Units.....	7 Foot, 12/3 SJT with NEMA 5-20P (Requires 20 amp receptacle for utility power connection.)
POWER METER	
Voltage.....	0 to 240 VAC to nearest tenth
Amperage.....	0.40 to 25.0 to nearest tenth
TRANSIENT ENERGY ABSORPTION.....	1,020 joules
MAXIMUM APPLIED SURGE CURRENT.....	3,000 amps
MAXIMUM APPLIED SURGE PULSE.....	6,000 volts
LET THROUGH SURGE VOLTAGE	
GROUND LINE.....	0.50 volts
LINE—NEUTRAL.....	10.0 volts
GROUND LINE FILTRATION	
300KHz.....	77 dB
1 MHz.....	80 dB
10 MHz.....	80 dB
30 MHz.....	80 dB
LINE—NEUTRAL FILTRATION	
300KHz.....	56 dB
1 MHz.....	60 dB
10 MHz.....	60 dB
30 MHz.....	60 dB

## FRONT PANEL

**Combination On/Off Switch and Circuit Breaker** – The rocker switch located on the right side of the chassis is a dual function component. It is normally used to manually turn the RACKPOWER on and off. In the event of a prolonged current overload the circuit breaker will trip to shut off power. (See the Troubleshooting section of this manual.)

**AC Power Meter** - The dual function, digital meter uses red LEDs to report power line voltage and the current load being drawn from the RACKPOWER. A push button to the left of the meter toggles the meter display between voltage and amperage. Voltage metering is displayed to the nearest one tenth volt. Amperage is displayed to the nearest one tenth amp through a range from 0.4 amps to 25.0 amps. The display will flash as a warning when voltage is greater than 139VAC or amperage is greater than 13.9A (18.9A for the 20A model) are reached.

**USB Power Port** - The USB connector on the front of the chassis provides 5 volts of DC current for use powering a plug-in LED light or for charging various electronic devices. This port is specially designed to charge iPhones and most other smart phone models. (A USB Power Port is also located on the back of the chassis.)

**AC Receptacle** - The AC receptacle on the left of the chassis is powered whenever the RACKPOWER is plugged into a live AC power source. It is rated at 15 amps or 20 amps and provides all the AC power protection of the RACKPOWER.

**Surge Protection OK** - The RACKPOWER 100-RX features Juice Goose proprietary RX Series surge protection and EMI / RFI filtration. (See the “Specifications” section of this Manual or the RP100-RX Data Sheet.) The white LED on the front panel is connected to the RX Series power protection circuitry and indicates RP 100-RX power output is protected from power line surges and high frequency interference.

This LED not being lit is an indication of a potential fault with the RX Series circuitry. (See the Trouble Shooting section of this manual.)

## REAR PANEL

**AC Outlets** – The nine outlets (NEMA 5-15R) on the 15A model are rated for current loads up to 15 amps at 120 volts. The 20A model has 8 NEMA 5-15R and 1 NEMA 5-20R which is rated for a current load of 20A at 120volts. The outlets are rotated and spaced to accommodate plugging in AC power adapters (a.k.a. “wall warts”).

**USB Power Port** - The USB connector on the back of the chassis provides 5 volts of DC current for use powering a plug-in LED light or for charging various electronic devices. This port is specially designed to charge iPhones and most other smart phone models. (A USB Power Port is also located on the front of the chassis.)

## TROUBLESHOOTING

The RACKPOWER is ruggedly designed and constructed from high quality components to give years of dependable power for your equipment. It requires neither maintenance nor adjustment. The following guidelines are provided for the unlikely event of a malfunction.

**The RACKPOWER will not come on or turns itself off.**

a. Check the status of the power supplied to the unit. Be sure AC utility power is available at the location where the unit is plugged in.

b. Check that the circuit breaker is not tripped. If it is, remove sufficient current load to reduce the total to no more than 15 amps (or 20 amps on the 20A model), wait approximately 30 seconds after the tripping and place the switch in the up, “on” position.

c. RX Series protection will not pass power if there is no ground connection, if there line and neutral conductors are not properly wired or if power line voltage is in excess of approximately 139 VAC. Use a circuit tester and voltage meter or other means to check for wiring or power line faults.

**The Surge Protection OK LED is not lit.**

(See the “Front Panel” section of this manual.) This could indicate a fault with the RX Series power protection circuitry. Contact Juice Goose ( [info@juicegoose.com](mailto:info@juicegoose.com) or 713-772-1404) for more information.

## REPAIR

Should your RACKPOWER need service contact Juice Goose for assistance and authorization to return the unit. **Please Note:** a return authorization number is required in order for the service personnel to correctly and promptly identify, repair and return your unit. You may obtain a Return Authorization Number by calling: 713-772-1404 or sending email to [info@juicegoose.com](mailto:info@juicegoose.com).

## WARRANTY

JUICE GOOSE, warrants as the only warranty that products shall display freedom from defects in materials and workmanship when operated under normal use and service subject to the "Limitations and Conditions" listed below, for THREE YEARS from the original purchase date of the unit. This date shall be the date on which the unit was purchased from a commercial retail business. If during this warranty period a defect should occur, the product may be repaired or replaced at the option of JUICE GOOSE. This warranty is transferable to a repurchaser for the period stated above. The warranty holder shall pay the cost of returning the unit to JUICE GOOSE or its designated repair location. JUICE GOOSE shall pay the cost of returning the unit to the warranty holder by normal ground parcel delivery.

Limitations and Conditions: The above warranty applies to all products of JUICE GOOSE and all components thereof with the exception of model JG Junior and any circuit board mounted electronic components which shall be warranted for ONE YEAR from the purchase date of the unit.

Even though JUICE GOOSE has tested each product, under no circumstances shall JUICE GOOSE, or anyone else involved in the creation, production and distribution of these products be liable for any damages, including any lost profits, lost savings or other direct, indirect, special, incidental or consequential charges even if JUICE GOOSE or an authorized JUICE GOOSE dealer has been advised of the possibility of such damage, or any claim or claims by other parties. In particular, JUICE GOOSE shall have no liability for any programs or data stored in equipment powered by JUICE GOOSE products nor liability for lost revenues related directly or indirectly to the operation of JUICE GOOSE products.

The warranty and remedies set forth above are exclusive and in lieu of all others, oral or written, expressed or implied. No JUICE GOOSE dealer, agent or employee is authorized to make modification, extension or addition to this warranty.

## OTHER HIGH QUALITY PRODUCTS FROM

JUICE | GOOSE

**JG SERIES** – Rack mountable power distribution in a 19” configuration. Six models to choose from. Feature options include LED rack lighting. JG9-NS has no switch. The JG11-20A has a 20 amp capacity and a 15 foot power cord. All units contain a basic level of power conditioning.

**PD SERIES** – Custom configured power strips with up to 12 circuits per unit. The PD1A, PD1B, PD3A and PD3B offer various options regarding size, number and arrangement of circuits, length and location of wire harness and mounting configuration. Select exact configuration with a features menu.

**CQ SERIES** – Power sequencing and remote control products. No master controller is required. Very flexible, economical and easy to install. Models include rack mount, in-wall, four circuit and 30 amp designs. Optional remote controls include key or rotary switch.

**IP SERIES** - Web based power distribution and control products have a built in web server to turn outlets on and off from a web browser. Drop in apps are available for several AV control platforms such as Crestron and Q-SYS.

**UPS MODELS** – When protection against power outage is needed, Juice Goose is a source for ten models of UPS products with options related to size, cost, power and function.