



R V R PJ1000C-LCD-PFC Solid State Amplifiers User Manual

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R V R PJ1000C-LCD-PFC Solid State Amplifiers



Product Information

The solid-state amplifiers in the compact family PJC-LCD series are powerful and affordable amplification devices. They are ideal for small to medium power stations. The series includes the PJ1000C-LCD/PFC, PJ1300C-LCD/PFC, and PJ2000LCD models.

Key Features:

- **PRIMARY APPLICATION:** Offers uncompromised amplification power at an attractive price. Adjustable power output from 0 to maximum output power.
- **AMPLIFICATION FEATURES:** Elevated-gain amplifiers with very low input drive power requirement.
- **HARDWARE FEATURES:** Extremely compact and rugged stainless steel chassis. Only 3RU high.
- **USER-FRIENDLY FEATURES:** A dual power supply ensures reduced power operation in case of a power supply failure. Pushbuttons for enhanced accessibility and control. Configuration software with a simple, intuitive human interface.
- **OPERATING EFFICIENCY:** Incorporates a Power Factor Corrector (PFC) power supply for enhanced energy saving and environmental protection. Power rectifier available on PJ1000C-LCD model upon request.
- **EASE OF MAINTENANCE:** Advanced module design ensures easy accessibility and maintenance.
- **RELIABILITY/CONTINUITY:** SMD technology ensures enhanced reliability and uninterrupted performance. Automatic Power Control (APC) and Fold-back protection for reliable operation under any conditions.
- **INTERFACE CONTROL:** Total microprocessor control, easily programmable from the panel menu or via RS232. The front panel LCD display shows all key parameters.
- **REMOTE CONTROL:** Built-in Telemetry System with optional GSM modem, battery, and battery charger (must be factory ordered).
- **REGULATORY COMPLIANCE:** Full compliance with FCC, CCIR, and EC standards.

Product Usage Instructions

To use the solid-state amplifiers, follow these steps:

1. Ensure that the power supply is connected and functioning properly.
2. Connect your audio source to the input connectors of the amplifier.
3. Adjust the power output according to your requirements. The amplifiers offer adjustable power output from 0 to the maximum output power.
4. If desired, use the pushbuttons on the device for user interaction and control.
5. If remote control is required, make sure to order the optional Telemetry System with a GSM modem, battery, and battery charger.
6. For advanced configuration and control, use the configuration software provided with the amplifiers. It offers a simple and intuitive human interface.
7. In case of maintenance or troubleshooting, the advanced module design ensures easy accessibility for maintenance tasks.

Note:

Please refer to the user manual for detailed instructions on specific operations and settings.

Product Overview



PJ1000C-LCD front view



PJ1000C-LCD rear view

Features

- **PRIMARY APPLICATION:** RVR PJ-C amplifiers offer uncompromised amplification power at a very attractive price.
 - Ideal for small to medium power stations.
 - Adjustable power output from 0 to maximum output power.
- **AMPLIFICATION FEATURES:** elevated-gain amplifiers with very low input drive power requirement.
- **HARDWARE FEATURES:** RVR PJ-C amplifiers are extremely compact and rugged thanks to the stainless steel chassis. Only 3RU high.
- **USER-FRIENDLY FEATURES:** A dual power supply ensures reduced power operation in the event of a power supply failure for maximum reliability and continuity. Pushbuttons for user/device interaction provide enhanced accessibility and control, resulting in extreme ease of use. Configuration software offers a simple, intuitive human interface.
- **OPERATING EFFICIENCY:** RVR PJ-C amplifiers incorporate a PFC (Power Factor Corrector) power supply that provides the utmost power efficiency for enhanced energy saving and environmental protection. Power supply units are also available with a power rectifier upon request (PJ1000C-LCD only).
- **EASE OF MAINTENANCE:** advanced module design ensures easy accessibility and maintenance.
- **RELIABILITY/CONTINUITY:** SMD technology used in manufacturing the PJ-C series ensures enhanced reliability and uninterrupted performance.
 - APC (Automatic Power Control) and Fold-back protection ensure reliable operation under any operating

conditions.

- **INTERFACE CONTROL:** total microprocessor control, easily programmed from the panel menu or via RS232 with all key parameters displayed on the front panel LCD display.
- **REMOTE CONTROL:** built-in Telemetry System with GSM modem, battery, and battery charger (optional; must be factory ordered).
- **REGULATORY COMPLIANCE:** state-of-the-art technology and design results in equipment that is in full compliance with FCC, CCIR, and EC standards.

Technical specifications

Parameters	Values
GENERALS	
Rated output power	1000W
Frequency range	FCC -CCIR and other on-request
Input power for rated output	11 W
Primary Power	230VAC $\pm 15\%$ or 115VAC $\pm 15\%$
AC Power Consumption	1690 VA / 1660 W / PF: 0,98
Overall efficiency	60%
Physical Dimensions (W x H x D)	483 x 132 x 670 mm
Weight	27 kg
Environmental Working Conditions	-10 \div +50 $^{\circ}\text{C}$ / 95% relative Humidity non-condensing
Cooling	Forced, with internal fans
CONNECTORS	
RF Input	N (50 ohm)
RF Output	7/16" EIA flange type, 50 ohm
RF Monitor	BNC (- 60dBm referred to RF output)
Interlock Output	BNC
Interlock Input	BNC
STANDARD COMPLIANCE	
Safety	EN 60215:1989 EN60215/A1:1992-07 EN60215/A2:1994-09
EMC	EN 301 489-1 V1.4.1 (2002-08) EN 301 489-11 V1.2.1 (2002-11)

PJ1300C-LCD	PJ2000LCD
Value	Value
1300W	2000W
FCC -CCIR and other on-request	
12W	
230VAC ±15% or 115VAC ±15%	230VAC ±15%
2108 VA / 2065W / PF: 0,98	3320 VA / 3300 W / PF:0,99
63%	61%
483 x 132 x 670 mm	
27 kg	32 kg
-10 ÷ +50 °C / 95% relative humidity non-condensing	
Forced, with internal fans	
N (50 ohm)	
7/16" EIA flange type, 50 ohm	
BNC (- 60dBr referred to RF output)	
BNC	
BNC	
EN 60215:1989 EN60215/A1:1992-07 EN60215/A2:1994-09	
EN 301 489-1 V1.4.1 (2002-08) EN 301 489-11 V1.2.1 (2002-11)	

- All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice.
- These are general specifications. They show typical values and are subject to change without notice.

Ordering information


- Options for PJC-LCD
- Code Description
- /CNT7/8-245 7/8" output RF connector

Contact Information

RVR Elettronica S.p.A.

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- **Fax:** +39 051 6011104
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- **web:** <http://www.rvr.it>.

Documents / Resources

	<p>R V R PJ1000C-LCD-PFC Solid State Amplifiers [pdf] User Manual PJ1000C-LCD-PFC Solid State Amplifiers, PJ1000C-LCD-PFC, Solid State Amplifiers, State A mplifiers, Amplifiers</p>
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References

-  [R.V.R. Elettronica - Broadcast Systems](#)