

# R V R Elettronica PJM-C Series Modular Family Owner's Manual

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## solid state amplifiers

**PJ2500M-C/PFC**  
**PJ3500M-C**  
**PJ4000 U -K**

## > modular family PJM-C series



PJ3500M-C front view

## Features

- **PRIMARY APPLICATION:** RVR PJ M-C amplifiers offer uncompromised, high amplification power. Ideal to supplement mid to high power stations. Adjustable power output from 0 to maximum output power.

- **AMPLIFIER FEATURES:** exceptional-gain amplifiers with low input drive power requirement. Available (optionally) **LD “Low Drive”** technology which reduces required input drive power to as little as 5W.
- **HARDWARE FEATURES:** **RVR PJ M-C** amplifiers are extremely compact and rugged thanks to the stainless steel chassis. Only 3RU high. Separate power supply and amplification sections, with no tuning required between units.
- **RELIABILITY/CONTINUITY:** SMD technology used in manufacturing the **PJ M-C** series ensures enhanced reliability and uninterrupted performance. APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.  
Highly redundant amplification unit which, in the event one or more of the eight amplifier modules becomes totally or partially impaired due to a fault, the **PJ M-C** output power is reduced to a safe value to maintain transmission and remain on air.
- **OPERATING EFFICIENCY:** **RVR PJ M-C** amplifiers incorporate a PFC (Power Factor Corrector) power supply that provides the utmost power efficiency for enhanced energy savings and environmental protection.
- **USER-FRIENDLY FEATURES:** triple power supply (PJ3000M-C) or six power supply devices (three in each power supply unit, PJ4000M-C), all user-selectable for single or three-phase operation, ensures reduced power operation in the event of a failure to keep you on the air.  
Pushbuttons for user/device interaction provide enhanced accessibility and control, resulting in extreme ease of use.  
Configuration software offers a simple, intuitive, human interface.
- **INTERFACE CONTROL:** total microprocessor control, easily programmed from panel menu or via RS232 with all key parameters displayed on the front panel LCD display.
- **EASE OF MAINTENANCE:** advanced module engineering ensures extreme ease of access and simple maintenance.
- **REMOTE CONTROL:** supplied with telemetry connectors and is compatible with all RVR telemetry systems and other popular transmitter remote control systems.
- **REGULATORY COMPLIANCE:** state-of-the-art technology and design results in equipment that is in full compliance with FCC, CCIR, and EC standards.

#### FM Mosfet Amplifiers 87,5 – 108 MHz



## Technical specifications

	PJ2500M-C
Parameters	Values
<b>GENERALS</b>	
Rated output power	2500W
Frequency range	FCC -CCIR and other on request
Input power for rated output	70W typical
Input power for rated output LD version	< 5 W
Primary Power	230/400 VAC $\pm 15\%$ , 3-phase +neutral, 50/60Hz or 230 VAC $\pm 10\%$ , 1-phase, 50/60Hz; ILME CFX4/2 connector
AC Power Consumption	4200 VA / 4100W / PF: 0,98
Overall efficiency	> 60 %
Phisical Dimensions (W x H x D)	483 x 132+132 x 700 mm
Weight RF Unit	38 kg
Weight Power supply unit	30 kg
Environmental Working Conditions	-10 ÷ +50 °C / 95% relative Humidity non condensing
Cooling	Forced, with internal fans
<b>CONNECTORS</b>	
RF Input	N (50 ohm)

RF Output	7/16" EIA flange type, 50 ohm
RF Monitor	BNC ( - 60dBr referred to RF output )
Interlock Output	BNC
Interlock Input	BNC
<b>STANDARD COMPLIANCE</b>	
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)

<b>PJ3500M-C</b>	<b>PJ4000U-K</b>
Value	Value
3500W	4000W
FCC -CCIR and other on request	
70W typical	
< 5 W	
230/400 VAC ±15% , 3-phase +neutral, 50/60Hz or 230 VAC ±10%, 1-phase, 50/60Hz; ILME CFX4/2 connector	
5860 VA / 5750 W / PF:0,98	6520 VA / 6650 W / PF: 0,98
> 60 %	

483 x 132+132 x 700 mm	
38 kg	40 kg
32 kg	33 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	
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 **99/5/CE** Revision: 03/10

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 PJM-C	
Code	Description
/TWIN	Dual, redundant power supply section. Available for model PJ4000U-K only on request.
/LD-PJM-C	Low drive power (less than 5W)



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ISO 9001:2000 certified since 2000



## **Documents / Resources**

The thumbnail shows the cover of the 'R V R Elettronica PJM-C Series Modular Family' Owner's Manual. It features a blue header with the title and a photograph of the modular power supply units.	<p><a href="#">R V R Elettronica PJM-C Series Modular Family</a> [pdf] Owner's Manual PJM-C Series Modular Family, PJM-C Series, Modular Family, Family, PJ2500M</p>
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## **References**

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