Solid State Amplifiers

> modular PJM-C series

PJ5000U-K

PJ5000U-K front view

Features

> **PRIMARY APPLICATION:** uncompromised high amplification power. Ideal to supplement mid to high power stations.

> **AMPLIFIER FEATURES:** exceptional-gain amplifier with very low input drive power requirement and adjustable power output from 10 to 100 %. Available (optionally) **LD** "**Low Drive**" technology which reduces required input drive power to as little as 5W.

> **HARDWARE FEATURES:** easy handling, compact and indeformable thanks to the stainless steel chassis, in 3 rack units each only.

> **RELIABILITY/CONTINUITY:** APC (Automatic Power Control), Foldback protection, redundancy of amplification units and redundancy of power supply units to mantene always on the broadcast transmission, ensure reliable operation under any operating conditions.

> **OPERATING EFFICIENCY:** incorporate a PFC (Power Factor Corrector) power supply, that provides the utmost efficiency for enhanced energy saving and environmental protection, which added to LD-MOSFET technology ensure high efficiency, better than 70% across the bandwidth.

> **USER-FRIENDLY FEATURES:** configurable both in single and three phase.
Five pushbuttons for user/device interaction and software that offers a simple, intuitive interface.

> **INTERFACE CONTROL:** total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.

> **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.

Caratteristiche

> ***PRIMARY APPLICATION:*** *estrema potenza di amplificazione senza compromessi. Ideale come complemento per stazioni di media-alta potenza.*

> ***AMPLIFIER FEATURES:*** *amplificatore ad alto guadagno con potenza di pilotaggio in ingresso estremamente basso e potenza di uscita regolabile dal 10 al 100%. Disponibile anche con* **LD** *(***Low Drive***) che abbatte la potenza di pilotaggio richiesta a a soli 5 W (versione vendibile opzionalmente).*

> ***HARDWARE FEATURES:*** *estremamente compatto e indeformabile perché realizzato in doppio chassis di acciaio inox, in sole 3 unità rack ognuno, ideale per permettere un'agevole movimentazione.*

> ***RELIABILITY/CONTINUITY:*** *elevata continuità di esercizio in qualsiasi condizione di lavoro, assicurato dal controllo automatico APC , protezione di Foldback , ridondanza del gruppo di amplificazione e del gruppo alimentazione che mantiene sempre in onda la trasmissione.*

> ***OPERATING EFFICIENCY:*** *per un risparmio di risorse energetiche e ambientali, utilizza un alimentatore PFC (Power Factor Corrector) che sommato alla tecnologia LD-MOSFET garantisce rendimenti elevati, superiori al 70% su tutta la banda.*

> ***USER-FRIENDLY FEATURES:*** *configurabile sia in monofase che trifase.*
Cinque tasti a pressione per l'interazione fra l'utente e l'apparato unita ad un software intuitivo e semplificato.

> ***INTERFACE CONTROL:*** *controllo completo basato su microprocessore e da menu con lettura su display LCD di tutti i parametri principali.*

> ***EASE OF MAINTENANCE:*** *estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.*

> ***REMOTE CONTROL:*** *presenza di connettori per la telemetria ed il telecontrollo compatibile con tutti i sistemi di telemetria della* ***RVR Elettronica****.*

> ***REGULATORY COMPLIANCE:*** *tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.*

R.V.R. ELETTRONICA
Via del Fonditore, 2/2c • Zona Industriale Roveri • 40138 Bologna • Italy
Phone: +39 051 6010506 • Fax: +39 051 6011104 • info@RVR.it • www.RVR.it

ISO 9001:2000 certified since 2000
Member of CIEQ Federation
RINA ISO 9001:2000 Certified Quality System

BROADCAST EQUIPMENT

Oirt, JPN & China Band others on request

Technical specifications

Parameter		PJ5000U-K Value
GENERALS		
Frequency range		FCC - CCIR - OIRT - JPN – CHN
Rated output power		5000 W
Driver power for rated output		70 W
Max input power before protection		100 W
Environmental working conditions		-10 °C to + 50 °C / 95% relative Humidity non condensing
POWER REQUIREMENTS		
AC Power Input	AC Supply Voltage	240 VAC ±15% monophase ; 400 VAC ±15% threephase
	Active Power Consumption	8000 W
	Overall Efficiency	Typical < 70 %
	Connector	ILME CQ 4/2
MECHANICAL DIMENSIONS		
Phisical Dimensions	L x H x W	483 mm x 177 mm x 695 mm
Weight		about 45 kg
Cooling		Forced, with internal fan
Acoustic Noise		< 78 dBA
INPUTS		
RF Input		50 Ohm (N type)
OUTPUTS		
RF Output		50 Ohm (7/8" EIA flange type)
RF Monitor		50 Ohm (BNC) approx. -60 dBc
FUSES		
On Mains		3 External fuses F20T 10x38
On P.A. Supply		8 Internal fuses F 25 A

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These are general specifications. They show typical values and are subject to change without notice.

CE 99/5/CE **Revision: 03/17**

Ordering Information

Code -Codice	Description - Descrizione
Options for PJM-C – Opzioni per PJM-C	
/LD-PJM-C	Low drive power (less than 5W). *Bassa potenza di pilotaggio (meno di 5").*