

Solid State Amplifiers

> **high efficiency PJ-LIGHT series**

PJ1600LIGHT PJ2000LIGHT



PJ2000LIGHT front view

Features

- > **PRIMARY APPLICATION:** uncompromised amplification power at a very attractive price. Ideal for medium power stations.
- > **AMPLIFIER FEATURES:** high-gain amplifier with very low input drive power requirement and adjustable power output from 10 to 100 %.
- > **HARDWARE FEATURES:** compact (525mm depth only) and indeformable thanks to the stainless steel chassis, in 3 rack units only.
- > **USER-FRIENDLY FEATURES:** four pushbuttons for user/device interaction and software that offers a simple, intuitive interface.
- > **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.
- > **EASE OF MAINTENANCE:** advanced module engineering ensures extreme ease of access and simple maintenance.
- > **RELIABILITY/CONTINUITY:** APC (Automatic Power Control) and Foldback protection ensure reliable operation under any operating conditions.
- > **INTERFACE CONTROL:** total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.
- > **REMOTE CONTROL:** electromechanically controllable and integrable into all digital RVR telemetry systems.
- > **REGULATORY COMPLIANCE:** state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

Caratteristiche

- > **PRIMARY APPLICATION:** potenza di amplificazione senza compromessi ad un prezzo estremamente contenuto. Ideale come complemento per stazioni di media potenza.
- > **AMPLIFIER FEATURES:** amplificatore ad alto guadagno con potenza di pilotaggio in ingresso estremamente basso e potenza di uscita regolabile dal 10 al 100%.
- > **HARDWARE FEATURES:** compatto (solo 525 mm di profondità), indeformabili e leggeri perché realizzati in chassis di acciaio inox, in sole 3 unità rack.
- > **USER-FRIENDLY FEATURES:** quattro tasti a pressione per l'interazione fra l'utente e l'apparato unita ad un software intuitivo e semplificato.
- > **OPERATING EFFICIENCY:** per un risparmio di risorse energetiche e ambientali, utilizzano un alimentatore PFC (Power Factor Corrector) che sommato alla tecnologia LD-MOSFET garantisce rendimenti elevati, superiori al 70% su tutta la banda.
- > **EASE OF MAINTENANCE:** estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.
- > **RELIABILITY/CONTINUITY:** elevata continuità di esercizio garantita in qualsiasi condizione di lavoro attraverso un controllo automatico APC ed una protezione di Foldback.
- > **INTERFACE CONTROL:** controllo completo basato su microprocessore e da menu con lettura su display LCD di tutti i parametri principali.
- > **REMOTE CONTROL:** elettromeccanicamente controllabile ed integrabile in tutti i sistemi di telemetria digitali RVR.
- > **REGULATORY COMPLIANCE:** tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.

Technical specifications

Parameter		PJ1600LIGHT	PJ2000LIGHT
Value			
GENERALS			
Frequency range		FCC - CCIR - OIRT - JPN - CHN	
Rated output power		1600 W	2000 W
Driver power for rated output		20 W	25 W
Max input power before protection		30 W	
Environmental working conditions		-10 °C to + 50 °C / 95% relative Humidity non condensing	
POWER REQUIREMENTS			
AC Power Input	AC Supply Voltage	230 VAC ±15%	
	Active Power Consumption	2285 W	2857 W
	Overall Efficiency	Typical 70 %	
	Connector	Terminal Block	
MECHANICAL DIMENSIONS			
Physical Dimensions	L x H x W	483 mm x 132 mm x 550 mm	
Weight		about 25 kg	
Cooling		Forced, with internal fan	
Acoustic Noise		< 75 dBA	
INPUTS			
RF Input		50 Ohm (N type)	
OUTPUTS			
RF Output		50 Ohm (7/16" EIA flange type)	
RF Monitor		50 Ohm (BNC) approx. -60 dBc	
FUSES			
On Mains		2 External F 25 T - 10 x 38 mm	
On services		1 Internal F 3,15 A 2 x 20 mm	
On PA Supply		2 Internal F 25 A 10 x 38 mm	3 Internal F 25 A 10 x 38 mm

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.

CE 99/5/CE Revision: 07/15

Ordering Information

Code -Codice	Description - Descrizione
Options for PJ-LIGHT – Opzioni per PJ-LIGHT	
/CNT7/8-150	7/8" output RF connector. Connettore RF di uscita 7/8".