

exciters/all-in-one transmitters

- > professional series
- > digital series

PTX30 LCD/S **PTX100LCD/S**
PTX50 LCD/S **PTX150LCD/S**
PTX60 LCD/S



PTX30LCD/S front view

Features

PTXLCD is the most sold professional FM transmitter worldwide!

- > **AUDIO PERFORMANCE:** clear and transparent sound comparable to CD sound quality made possible thanks to a noise/signal ratio as low as 90dB, low distortion and stereo separation as high as 60dB!
- > **PRIMARY APPLICATION:** Optimal for use as an independent exciter. Adjustable power output from 0 to 100%.
- > **HARDWARE FEATURES:** compact and indeformable thanks to the stainless steel chassis, in 2 rack units only.
- > **INTERFACE CONTROL:** totally microprocessor-controlled, easily programmed from menu through a large LCD and useful optical ENCODER.
- > **INPUT/OUTPUT INTERFACE:** built-in high-performance stereo co-

- der, L&R analogue audio inputs, Mono inputs, MPX composite signal and auxiliary inputs for SCA / RDS signals. S/PDIF, TOSLINK, AES/EBU digital audio inputs now are available as standard.
- > **REMOTE CONTROL:** built-in telemetry system via GSM modem, battery and battery charger or via WEB or via SNMP (option).
- > **RELIABILITY/CONTINUITY:** business continuity is guaranteed by an incredible range and variety of controls, such as Fold-Back control for effective VSRW (Voltage Standing Wave Ratio) protection and IAMLC (Intelligent Automatic Modulation Level Control) to keep modulation level steady.
- > **EASE OF MAINTENANCE:** advanced module engineering ensures extreme of access and simple maintenance.
- > **REGULATORY COMPLIANCE:** state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

Caratteristiche

Il PTXLCD è il trasmettitore FM professionale più venduto al mondo!

- > **AUDIO PERFORMANCE:** chiarezza ed una limpidezza del suono paragonabile alla qualità CD resa possibile da un basso rapporto segnale/rumore 90dB, da una bassa distorsione e ad un'alta separazione stereo 60dB!
- > **PRIMARY APPLICATION:** Ottimale come eccitatore indipendente con potenza di uscita regolabile con continuità uscita regolabile dal 10 al 100%.
- > **HARDWARE FEATURES:** compatto, indeformabile e leggero perché realizzati in chassis di acciaio inox, in sole 2 unità rack.
- > **INTERFACE CONTROL:** completamente controllati da microprocessore e facilmente programmabili da menu con grande display LCD e comodo ENCODER ottico.
- > **INPUT/OUTPUT INTERFACE:** stereo coder integrato ad elevate prestazioni, ingressi audio analogici L&R, mono, segnale com-

- posito MPX ed ausiliari per segnali SCA / RDS. Ingressi S/PDIF, TOSLINK, AES/EBU ora disponibili di serie.
- > **REMOTE CONTROL:** sistema di telemetria integrato via modem GSM, batteria e caricabatteria o via WEB o via SNMP (versione vendibile opzionalmente).
- > **RELIABILITY/CONTINUITY:** elevata continuità di esercizio garantita da un'incredibile gamma di controlli come il controllo del Fold-Back per una effettiva protezione del VSRW (Voltage Standing Wave Ratio) e IAMLC (Intelligent Automatic Modulation Level Control) per un costante livello di modulazione.
- > **EASE OF MAINTENANCE:** estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.
- > **REGULATORY COMPLIANCE:** tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.

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BROADCAST
EQUIPMENT

(Oirt, JPN &
China Band
others
on request)

Technical specifications

Parameter	PTX30LCD	PTX50LCD	PTX60LCD	PTX100LCD	PTX150LCD
GENERALS					
Frequency range	FCC - CCIR - OIRT - JPN - CHN				
Rated output power	30 W	50 W	60 W	100 W	150 W
Modulation type	Direct carrier frequency				
Operational Mode	Mono, Stereo, Multiplex				
Environmental working conditions	-10 °C to +50 °C / 95% relative Humidity non condensing				
Frequency programmability	From software, with 10 kHz steps				
Frequency stability	WT from -10°C to 50°C	±1 ppm			
Modulation capability	150 kHz Stereo, 200 kHz Mono/MPX				
Pre-emphasis mode	0 μS, 50 μS (CCIR), 75 μS (FCC)				
POWER REQUIREMENTS					
AC Power Input	AC Supply Voltage	115 - 125 - 230 - 250 VAC			
	Active Power Consumption	95 W	150 W	250 W	330 W
	Overall Efficiency	31 %	33 %	40 %	45 %
	Connector	VDE IEC Standard			
MECHANICAL DIMENSIONS					
Physical Dimensions	L x H x W	483 mm x 88 mm x 400 mm			
Weight		about 10 kg	about 13 kg	about 15 kg	
Cooling		Forced, with internal fan			
Acoustic Noise		< 75 dBA			
AUDIO INPUTS					
Left/Mono & Right/MPX		10 kOhm or 6000hm (XLR F) Level: -13 to +14 dBu			
MPX unbalanced		10 kOhm or 50 Ohm (BNC) Level: -13 to +14 dBu			
SCA/RDS		10 kOhm (3x BNC) Level: -3 to +15 dBu			
AES/EBU		110 Ohm or 75 Ohm (XLR F)			
TOSLINK		TOSLINK F05 - EIAJ			
S/P DIF		75 Ohm (Cinch-RCA coaxial)			
OUTPUTS					
RF Output		50 Ohm (N type)			
RF Monitor		50 Ohm (BNC) approx. -30 dBc			
Pilot output		>4,7 kOhm (BNC) approx. 1Vpp			
MPX monitor		>600 Ohm (BNC) a Level: 0 dBu			
FUSES					
On Mains		1 External fuse F 6,3 T - 5x20 mm			
On PA Supply		1 External fuse F 6,3 A - 5x20 mm	1 External fuse F 10 A - 5x20 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.

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Ordering Information

Code -Codice	Description - Descrizione
Options for PTX-LCD – Opzioni per PTX-LCD	
/08DIG-PTX-16	Telemetry system via parallel interface. <i>Sistema di Telemetria attraverso interfaccia parallela.</i>
/EXT24V-PTX	Provision for external 24V battery. <i>Predisposizione per Batteria 24V esterna.</i>
/10MHZ-PTX	External 10 MHz cable. <i>Cavo riferimento 10 MHZ esterna.</i>