

# PTX-LCDDSP SERIES

COMPACT STEREO TRANSMITTERS DSP BASED

MODEL **PTX150LCDDSP**



ORDERING INFORMATION	
Model	Description
<b>PTX150LCDDSP</b>	<b>150W Compact Stereo Transmitter DSP Based.</b>
OPTION	
<b>/SFN-PTX</b>	Support SFN applications.
<b>/08DIG-PTX-16</b>	Telemetry system via parallel interface.
<b>/10MHZ-PTX</b>	External 10MHZ cable.



**PTX150LCDDSP**

**150W Compact Stereo Transmitter DSP Based.**

**FEATURES**

**PTXLCDDSP** is the perfection of the most sold professional FM transmitter world-wide!

**AUDIO PERFORMANCE:** clear and transparent sound comparable to CD sound quality made possible thanks to a noise/signal ratio as high 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%.

**AUDIO FEATURE:** incorporated a board for isofrequency applications (SFN) and a limiter on audio (ITU) to ensure controlled emissions in the spectrum.

**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 coder, 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 are available as standard.

**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.

**RDS APPLICATION:** built-in digital RDS encoder with UECP standard functions.

**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.

## PTX150LCDDSP

Parameters	U.M.	Value	Notes	
<b>GENERALS</b>				
Frequency range	MHz	87,5 ÷ 108		
Rated output power	W	150	Continuously adjustable from 10 to 100%	
Modulation type		Direct carrier frequency		
Operational mode		Mono, Stereo, Multiplex		
Working temperature	°C	-5 to +50		
Working humidity	%	85	Without condensing	
Working altitude	mt	Up to 3000 *	* With adequate air evacuation system in site	
Frequency setting		From software, with 10 kHz	Steps	
Frequency stability	Temperature range from -5°C to 50°C	ppm	±1	
Modulation capability	Referred @ 0dBu for 75kHz	kHz	150 Stereo, 200 Mono/MPX	
Pre-emphasis		µS	0, 25, 50, (CCIR), 75 (FCC)	
<b>POWER REQUIREMENTS</b>				
AC Power input	AC Supply Voltage	VAC	115 - 125 - 230 - 250	
	AC Apparent Power Consumption	VA	458	
	Active Power Consumption	W	330	
	Power Factor		0,72	
	Overall Efficiency	%	Typical 45	
Connector			IEC Standard	
<b>MECHANICAL DIMENSIONS</b>				
Physical dimensions	Front panel width	mm /inch	483 / 19	EIA rack
	Front panel height	mm /inch	88 / 3 1/2	2HE
	Overall depth	mm	400	
	Chassis depth	mm	389	
Weight		kg	About 15	
Cooling			Forced, with internal fan	
Acoustic noise		dBA	< 56	
<b>AUDIO INPUTS</b>				
Left / Mono	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level / Adjust	dBu	-13 to +14	1 dB step adjustable
Right	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level	dBu	-13 to +14	1 dB step adjustable
MPX	Connector		BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k or 50	
	Input Level / Adjust	dBu	-13 to +14	1 dB step adjustable
SCA/RDS	Connector		3 x BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k	
	Subcarrier Level @ 0 dBu	dB	-17 to -40	Adjustable
AES/EBU (optional)	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	110	
TOS/Link (optional)	Connector		TOS-LINK	
	Type		Optical	
<b>OUTPUTS</b>				
RF Output	Connector		N type	
	Impedance	Ohm	50	
RF Monitor	Connector		BNC	
	Impedance	Ohm	50	
	Output Level	dBm	Approx. -30	
Pilot output	Connector		BNC	
	Load Impedance	Ohm	>4,7 k	
	Output Level	Vpp	1	Sinusoidal
<b>FUSES</b>				
On mains			1 External fuse F 6,3 T - 5x20 mm	
On services			X	
On PA supply			1 External fuse F 10 A - 5x20 mm	
On Driver supply			X	

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.



**R.V.R. Elettronica S.r.l.**

Via del Fonditore 2/2 c  
40138 Bologna - Italy  
Phone +39 051 6010506  
info@rvr.it

**www.rvr.it**