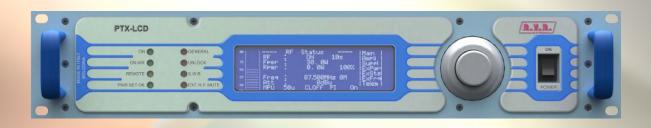
## PTX-LCDDSP SERIES

**COMPACT STEREO TRANSMITTERS DSP BASED** 

MODEL PTX30LCDDSP



ORDERING INFORMATION				
Model	Description			
PTX30LCDDSP	<b>30W</b> Compact Stereo Transmitter DSP Based.			
OPTION				
/SFN-PTX	Support SFN applications.			
/08DIG-PTX-16	Telemetry system via parallel interface.			
/10MHZ-PTX	External 10MHZ cable.			





## PTX-LCDDSP SERIES



PTX30LCDDSP

30W 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 possibile thanks to a noise/signal ratio as high as 90dB, low distortion and stereo separation as high as 60dB!

**PRIMARYAPPLICATION:** 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.







## PTX30LCDDSP

PTX3ULCDDSP				<u> </u>
Parameters		U.M.	Value	Notes
GENERALS				
Frequency range		MHz	87,5 ÷ 108	
Rated output power		W	30	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 namury		mt	Up to 3000 *	* With adequate air evacuation system in site
		IIIL	From software, with 10 kHz	Steps
Frequency setting Frequency stability	Tamparatura ranga from ESC to EDSC		±1	Jieps
	Temperature range from -5°C to 50°C	ppm		Mt
Modulation capability	Refered @ OdBu for 75kHz	kHz	150 Stereo, 200 Mono/MPX	Meets or exceeds all FCC and CCIR rules
Pre-emphasis		μS	0, 25, 50, (CCIR), 75 (FCC)	Selectable
POWER REQUIREMENTS		140		
AC Power input	AC Supply Voltage	VAC	115 - 125 - 230 - 250	
	AC Apparent Power Consumption	VA	135	
	Active Power Consumption	W	95	
	Power Factor		0,7	
	Overall Efficiency	%	Typical 31	
	Connector		IEC Standard	
MECHANICAL DIMENSIONS				
	Front panel width	mm /inch	483 / 19	EIA rack
Phisical dimensions	Front panel height	mm /inch	88 / 3 1/2	2HE
	Overall depth	mm	400	
	Chassis depth	mm	389	
Weight	·	kg	About 10	
Cooling		,	Forced, with internal fan	
Acoustic noise		dBA	< 56	
AUDIO INPUTS		db/t		
tobio illi oro	Connector		XLR F	
Left / Mono	Туре		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level /Adjust	dBu	-13 to +14	1 dB step adjustable
Right	Connector	ubu	XLR F	1 ab step adjustante
			Balanced	
	Туре	Ohm		
	Impedance	Ohm	10 k or 600	1 10 -1 1:1-1-
	Input Level	dBu	-13 to +14	1 dB step adjustable
MPX	Connector		BNC	
	Туре		Unbalanced	
	Impedance	Ohm	10 k or 50	
	Input Level / Adjust	dBu	-13 to +14	1 dB step adjustable
SCA/RDS	Connector		3 x BNC	
	Туре		Unbalanced	
	Impedance	Ohm	10 k	
	Subcarier Level @ 0 dBu	dB	-17 to -40	Adjustable
	Connector		XLR F	
AES/EBU	Туре		Balanced	
optional)	Impedance	Ohm	110	
TOS/Link	Connector		TOS-LINk	
(optional)	Туре		Optical	
DUTPUTS	л -		-F-1000	
RF Output	Connector		N type	
	Impedance	Ohm	50	
RF Monitor	Connector	Gilli	BNC	
	Impedance	Ohm	50	
	Output Level	dBm	Approx30	
		UDIII		
Pilot output	Connector	01	BNC	
	Load Impedance	Ohm	>4.7 k	0: 111
	Output Level	Vpp	1	Sinusoidal
FUSES		1		
On mains			1 External fuse F 6,3 T - 5x20 mm	
On mains On services			Х	

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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