PTX-LCD SERIES

PROFESSIONAL ANALOGIC

from 30W to 150W

MODELS

PTX30LCD/S
PTX50LCD/S
PTX100LCD/S
PTX150LCD/S

R.V.R. Elettronica S.r.l.
Via del Fonditore, 2/2c
40138 Bologna Italy

Phone +39 0516010506
Fax +39 0516011104
sales@rvr.it - www.rvr.it

- **Globally recognized as the most sold professional exciter.**
- **Excellent as exciter in modular systems or as a compact transmitter.**
- **Full compliance with EC, FCC and CCIR standards.**
- **Standard Frequency Range: 87.5 - 108 MHz. Other bands on request.**
- **10% - 100% Output Power continuously adjustable.**
- **Fold-back control for effective "VSRW" protection.**
- **Includes IAMLC: Intelligent Automatic Modulation Level Control.**
- **Built-in high-performance stereo coder.**
- **Analogue Inputs: Analogue Stereo L&R, Mono, MPX.**
- **Digital Inputs: AES/EBU, S/PDIF, TOSLINK.**
- **Auxiliary input for SCA / RDS signals.**

ORDERING INFORMATION	
Model	Description
PTX30LCD/S	**30W** Compact Stereo Transmitter.
PTX50LCD/S	**50W** Compact Stereo Transmitter.
PTX100LCD/S	**100W** Compact Stereo Transmitter.
PTX150LCD/S	**150W** Compact Stereo Transmitter.

OPTION	
/08DIG-PTX-16	Telemetry system via parallel interface.
/10MHZ-PTX	External 10MHZ cable.

PTX30LCD/S

30W Compact Stereo Transmitter.

PTX50LCD/S

50W Compact Stereo Transmitter.

PTX100LCD/S

100W Compact Stereo Transmitter.

PTX150LCD/S

150W Compact Stereo Transmitter.

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			PTX30LCD/S	PTX50LCD/S	
Parameters		U.M.	Value		Notes
GENERALS					
Frequency range		MHz	87,5 ÷ 108		
Rated output power		W	30	50	Continuously adjustable from 10 to 100%
Modulation type			Direct carrier frequency		
Operational mode			Mono, Stereo, Multiplex		
Working temperature		°C	-5 to + 50		
Working humidity		%	95		Without condensing
Working altitude		m	Up to 3000		With adequate air evacuation system in site
Frequency programmability		kHz	From software, with 10		Steps
Frequency stability	Working Temp. from -5°C to 50°C	ppm	±1		
Modulation capability	Refered @ 0dBu for 75kHz	kHz	150 Stereo, 200 Mono/MPX		Meets or exceeds all FCC and CCIR rules
Pre-emphasis mode		µS	0, 25, 50, (CCIR), 75 (FCC)		Selectable
POWER REQUIREMENTS					
AC Power input	AC Supply Voltage	VAC	115 - 125 - 230 - 250		
	AC Apparent Power Consumption	VA	135	220	
	Active Power Consumption	W	95	150	
	Power Factor		0,68		
	Overall Efficiency	%	Typical 31	Typical 33	
	Connector		IEC Standard		
MECHANICAL DIMENSIONS					
Phisical 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 10	About 13	
Cooling			Forced, with internal fan		
Acoustic noise		dBA	< 56		
AUDIO INPUTS					
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		
	Subcarier 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		
OUTPUTS					
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
FUSES					
On mains			1 External fuse F 6,3 T - 5x20 mm		
On services			X		
On PA Supply			1 External fuse F 6,3 A - 5x20 mm	1 External fuse F 10 A - 5x20 mm	
On driver supply			X		

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Parameters		U.M.	PTX100LCD/S	PTX150LCD/S	Notes
GENERALS					
Frequency range		MHz	87,5 ÷ 108		
Rated output power		W	100	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		%	95		Without condensing
Working altitude		m	Up to 3000		With adequate air evacuation system in site
Frequency programmability		kHz	From software, with 10		Steps
Frequency stability	Working Temp. from -5°C to 50°C	ppm	±1		
Modulation capability	Refered @ 0dBu for 75kHz	kHz	150 Stereo, 200 Mono/MPX		Meets or exceeds all FCC and CCIR rules
Pre-emphasis mode		µS	0, 25, 50, (CCIR), 75 (FCC)		Selectable
POWER REQUIREMENTS					
AC Power input	AC Supply Voltage	VAC	115 - 125 - 230 - 250		
	AC Apparent Power Consumption	VA	350	458	
	Active Power Consumption	W	250	330	
	Power Factor		0,71	0,72	
	Overall Efficiency	%	Typical 40	Typical 45	
	Connector		IEC Standard		
MECHANICAL DIMENSIONS					
Phisical 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		
AUDIO INPUTS					
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		
	Subcarier 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		
OUTPUTS					
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
FUSES					
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		

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Member of CISQ Federation

CERTIFIED MANAGEMENT SYSTEM
ISO 9001

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