BLUES NV SERIES

Compact FM Transmitters NV

MODEL BLUES50NV

ORDERING INFORMATION	
Model	Description
BLUES50NV	Compact FM Stereo Transmitter NV Edition 50W.

OPTION	
/AESEBUBLUES	Digital/Analog converter option Blues Series.
/TLW-BLU-E	WEB and SNMP/V1 basic telemetry system via the internet. Option for Blues Series.

Via del Fonditore, 2/2c
Zona Industriale Roveri
40138 Bologna Italy

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

BLUES50NV

Compact FM Stereo
Transmitter NV Edition 50W.

FEATURES

PRIMARY APPLICATION: high-quality transmission at a very attractive price, ideal for repeater stations or like exciter of ultracompact systems. Adjustable power output from 10 to 100 %.

HARDWARE FEATURES: ultra-compact and ultra-light (only 6Kg.), stainless steel chassis, in 1 rack unit only.

USER-FRIENDLY FEATURES: universal 80-260 V multi-voltage power supply enables operation without preselect voltage. Pressure encoder provides great accessibility for user/device interaction, resulting in extreme of use. Configuration software offers an simple, intuitive interface.

RELIABILITY/CONTINUITY: the APC (Automatic Power Control) and Foldback protection ensures enhanced business continuity under any operating conditions.

AUDIO PERFORMANCE: low distortion and intermodulation values and a high noise/signal ratio with an AES/EBU input (optional) automatically managed in exchange.

OPERATING EFFICIENCY: incorporate a PFC (Power Factor Corrector) power supply, that provides the utmost efficiency for enhanced energy saving and environmental protection, which ensure high efficiency across the bandwidth.

EASE OF MAINTENANCE: advanced module engineering ensures extreme of access and simple maintenance.

INTERFACE CONTROL: total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.

INTERFACE CONTROL: total control thanks to microprocessor easily programmed from menu with all key parameters displayed on LCD.

INPUT/OUTPUT INTERFACE: built-in high-performance stereo coder, L&R, Mono, MPX and auxiliary inputs for SCA / RDS signals and AES/EBU digital.

REGULATORY COMPLIANCE: state-of-the-art technology in full compliance with EC, FCC and CCIR standards.

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

Parameters		U.M.	Value	Notes
GENERALS				
Frequency range		MHz	87,5 ÷ 108	
Rated output power		W	50	Continuously adjustable from 10 to 100%
Modulation type			F3E Direct carrier frequency	
Operational mode			Mono, Stereo, Multiplex	
Working temperature		°C	-5 to +50	
Working humidity		%	95	No condensing
Working altitude		mt	Up to 2000 *	* With adequate air evacuation system in site
Frequency setting		kHz	10	Steps
Frequency stability	Temperature range from -5°C to 50°C	ppm	±1	
Modulation capability	Refered @ 0dBu for 75kHz	kHz	150 Stereo, 180 Mono/MPX	Meets or exceeds all FCC and CCIR rules
Pre-emphasis		µS	0, 50 (CCIR), 75 (FCC)	Selectable
POWER REQUIREMENTS				
AC Power input	AC Supply Voltage	VAC	80 ÷260	
	AC Apparent Power Consumption	VA	200	
	Active Power Consumption	W	100	
	Power Factor		0,5	
	Overall Efficiency	%	Typical 50	
	Connector		VDE IEC Standard	
MECHANICAL DIMENSIONS				
Phisical dimensions	Front panel width	mm / inch	483 / 19	EIA rack
	Front panel height	mm / inch	44 / 3 1/2	1HE
	Overall depth	mm	394	
	Chassis depth	mm	372	
Weight		kg	About 5,5	
Cooling			Forced, with internal fan	
Acoustic noise		dBA	< 58	
AUDIO INPUTS				
Left / Mono	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level /Adjust	dBu	-13 to +13	Continuosly adjustable
Right	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level	dBu	-13 to +13	Continuosly adjustable
MPX	Connector		BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k or 50	
	Input Level / Adjust	dBu	-13 to +13	For 75 KHz FM, adjustable
SCA/RDS	Connector		2 x BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k	
	Subcarier Level @ 0 dBu	dB	-17 to -40	For 7,5 KHz FM, adjustable
AES/EBU (optional)	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	110	
	Input Level / Adjust	dBfs	0 to -10	For 7,5 KHz FM, adjustable
TOS/Link (optional)	Connector			
	Type			
OUTPUTS				
RF Output	Connector		N type	
	Impedance	Ohm	50	
RF Monitor	Connector		BNC	
	Impedance	Ohm	50	
	Output Level	dB	Approx. -30	
Pilot output	Connector		BNC	
	Load Impedance	Ohm	>5 k	
	Output Level	Vpp	1	Sinusoidal
FUSES				
On mains			1 External fuse F 6,3 T - 5x20 mm	
On services			X	
On PA Supply			X	
On driver supply			X	

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

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