

# BLUES NV SERIES

Compact FM Transmitters NV

MODEL **BLUES30NV**



#### ORDERING INFORMATION

Model	Description
<b>BLUES30NV</b>	Compact FM Stereo Transmitter NV Edition 30W.

#### OPTION

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



**BLUES30NV**

Compact FM Stereo  
Transmitter NV Edition 30W.

## 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 a 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.

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**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.

Parameters	U.M.	Value	Notes
<b>GENERALS</b>			
Frequency range	MHz	87,5 ÷ 108	
Rated output power	W	30	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	Referred @ 0dBu for 75kHz	kHz	150 Stereo, 180 Mono/MPX
Pre-emphasis		µS	0, 50 (CCIR), 75 (FCC)
<b>POWER REQUIREMENTS</b>			
AC Power input	AC Supply Voltage	VAC	80 ±260
	AC Apparent Power Consumption	VA	120
	Active Power Consumption	W	70
	Power Factor		0,5
	Overall Efficiency	%	Typical 50
Connector			VDE IEC Standard
<b>MECHANICAL DIMENSIONS</b>			
Physical dimensions	Front panel width	mm / inch	483 / 19
	Front panel height	mm / inch	44 / 3 1/2
	Overall depth	mm	394
	Chassis depth	mm	372
Weight		kg	About 5,5
Cooling			Forced, with internal fan
Acoustic noise		dBA	< 58
<b>AUDIO INPUTS</b>			
Left / Mono	Connector		XLR F
	Type		Balanced
	Impedance	Ohm	10 k or 600
	Input Level / Adjust	dBu	-13 to +13
			Continuously adjustable
Right	Connector		XLR F
	Type		Balanced
	Impedance	Ohm	10 k or 600
	Input Level	dBu	-13 to +13
			Continuously 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
	Subcarrier 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		
<b>OUTPUTS</b>			
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
<b>FUSES</b>			
On mains			1 External fuse F 3,15 T - 5x20 mm
On services			X
On PA Supply			X
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.



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