

# BLUES-NV SERIES

ULTRA COMPACT

from 30W to 50W

MODELS

BLUES30NV

BLUES50NV



**The Blues Series fits all needs for low-power Stations being one of the most used ultra-compact units ever. The models available reflects all R.V.R. high-standards combined in a smaller design allowing to lower any type of shipping and installation procedures. These FM Transmitters are ideal for as repeaters, excitors or compact transmitters for Community Radios.**

- **Ideal for LPFM Stations as transmitter, repeater or exciter.**
- **Great compromise between cost vs. quality.**
- **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.**
- **Inputs: Analogue Stereo L&R, Mono, MPX. AES/EBU (option).**
- **Remotable via Web, Serial protocols (option).**
- **1 Rack unit only: ultra compact and ultra light.**
- **Universal 80-260 V multi-voltage power supply.**
- **Easy maintenance.**

ORDERING INFORMATION	
Model	Description
<b>BLUES30NV</b>	<b>30W</b> Ultra Compact Stereo Transmitter.
<b>BLUES50NV</b>	<b>50W</b> Ultra Compact Stereo Transmitter.

OPTION	
<b>/AESEBUBLUES</b>	Digital/Analog converter.
<b>/TLW-BLU-E</b>	WEB and SNMP/V1 basic telemetry system via the internet.





BLUES30NV

30W Compact Stereo Transmitter.



BLUES50NV

50W Compact Stereo Transmitter.



Parameters	U.M.	BLUES30NV		BLUES50NV	Notes
		Value			
<b>GENERALS</b>					
Frequency range	MHz	87,5 ÷ 108			
Rated output power	W	30		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			Without condensing
Working altitude	m	Up to 2000			With adequate air evacuation system in site
Frequency programmability	kHz	10			Steps
Frequency stability	Working Temp. from -5°C to 50°C ppm	±1			
Modulation capability	Referred @ 0dBu for 75kHz	150 Stereo, 180 Mono/MPX			Meets or exceeds all FCC and CCIR rules
Pre-emphasis mode	µS	0, 50 (CCIR), 75 (FCC)			Selectable
<b>POWER REQUIREMENTS</b>					
AC Supply Voltage	VAC	80 ÷ 260			Internal switch
AC Apparent Power Consumption	VA	120		200	
Active Power Consumption	W	70		100	
AC Power input		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		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		
<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 7,5 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
<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	>5 k		
	Output Level	Vpp	1		Simusoidal
<b>FUSES</b>					
On mains		1 External fuse F 3,15 T - 5x20 mm		1 External fuse F 6,3 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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