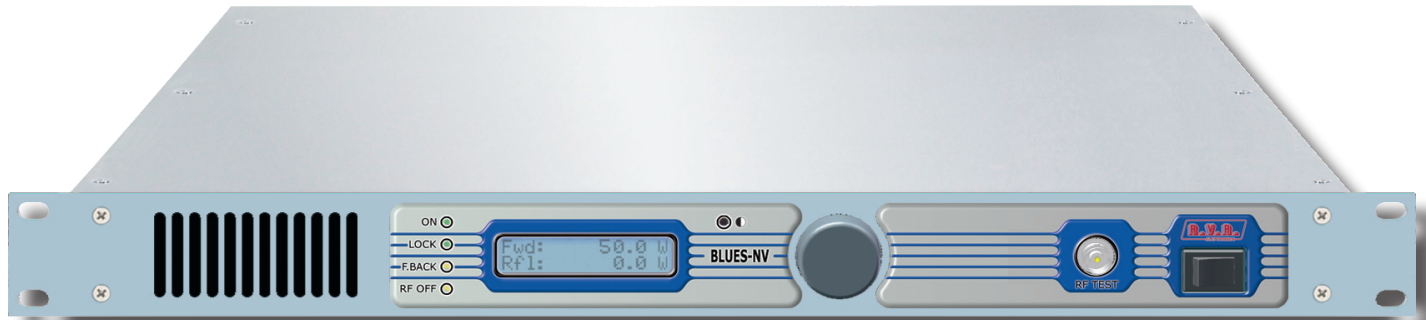


exciters/all-in-one transmitters

> *compact low-cost series*

BLUES30NV BLUES50NV



BLUES50NV front view

Features

- > **PRIMARY APPLICATION:** high-quality transmission at a very attractive price, ideal for repeater stations or like exciter of ultra-compact systems. Adjustable power output from 10 to 100 %.
- > **HARDWARE FEATURES:** ultra-compact and ultra-light (only 6 Kg.), 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.
- > **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.
- > **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.

Caratteristiche

- > **PRIMARY APPLICATION:** alta qualità di trasmissione ad un prezzo estremamente contenuto, ideale per stazioni ripetitrici o come eccitatore di sistemi ultracompatti. Potenza di uscita regolabile dal 10 al 100 %.
- > **HARDWARE FEATURES:** ultracompatto e ultraleggero (solo 6 Kg.), chassis in acciaio inox, in sole 1 unità rack.
- > **USER-FRIENDLY FEATURES:** utilizzabili a diverse tensioni di rete da 80 V a 260 V senza necessità di preselezione. Estrema semplicità d'utilizzo, data dall'accessibilità fornita dall'encoder a pressione per l'iterazione fra l'utente e l'apparato unita ad un software di configurazione intuitivo e semplificato.
- > **RELIABILITY/CONTINUITY:** elevata continuità di esercizio garantita in qualsiasi condizione di lavoro attraverso un controllo automatico APC e la protezione di foldback.
- > **AUDIO PERFORMANCE:** bassi valori di distorsione, di intermodulazione, alto rapporto segnale rumore uniti ad un ingresso AES/EBU (opzionale) gestito in scambio automaticamente.
- > **EASE OF MAINTENANCE:** estrema accessibilità e semplicità di manutenzione grazie ad una avanzata ingegnerizzazione modulare dell'apparato.
- > **INTERFACE CONTROL:** controllo completo basato su di un microprocessore facilmente programmabile da menu con lettura su display LCD di tutti i parametri principali.
- > **INPUT/OUTPUT INTERFACE:** stereo coder integrato ad elevate prestazioni, ingressi L&R, Mono, MPX ed ausiliari per segnali SCA / RDS e AES/EBU digitale.
- > **REGULATORY COMPLIANCE:** tecnologia moderna e pienamente rispondente alle normative EC, FCC ed CCIR.

exciters/all-in-one transmitters

BROADCAST
EQUIPMENT

(JPN, China,
Vietnam &
others
Band)

Technical specifications

Parameter	BLUES30NV	BLUES50NV
GENERALS		
Frequency range	87.5 ÷ 108	
Rated output power	30 W	50 W
Modulation type	F3E Direct carrier frequency	
Operational Mode	Mono, Stereo, Multiplex	
Environmental working conditions	-10 °C to + 50 °C / 95% relative Humidity non condensing	
Frequency programmability	From software, with 10 kHz steps	
Frequency stability	WT from -10°C to 50°C	±1 ppm
Modulation capability	150 kHz Stereo, 180 kHz Mono/MPX	
Pre-emphasis mode	0 µS, 50 µS (CCIR), 75 µS (FCC)	
Spurious & harmonic suppression	<75dBc (80 dBc typical)	
POWER REQUIREMENTS		
AC Power Input	AC Supply Voltage	80 ÷ 260 VAC Full Range
	Active Power Consumption	70 W
	Overall Efficiency	42 %
	Connector	VDE IEC Standard
MECHANICAL DIMENSIONS		
Physical Dimensions	L x H x W	483 mm x 44 mm x 394 mm
Weight		about 5,5 kg
Cooling		Forced, with internal fan
Acoustic Noise		< 58 dBA
AUDIO INPUTS		
Left/Mono & Right		10 kohm or 600ohm (XLR F) Level:-13 to +13 dBu
MPX		10 Kohm or 50 ohm (BNC) Level: -13 to +13 dBu @ 75 KHz FM
SCA/RDS		10 Kohm (2x BNC) Level: -8 to +13 dBu @ 75 KHz FM
AES/EBU		110 (XLR F) Level: 0 to -10 dBfs @ 75 KHz FM
OUTPUTS		
RF Output		50 ohm (N type)
RF Monitor		50 ohm (BNC) approx. -30 dBc
Pilot output		>5 Kohm (BNC) approx. 1Vpp
FUSES		
On Mains		1 External fuse F 3,15 T - 5x20 mm

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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Ordering Information

Code -Codice	Description - Descrizione
Options for BLUES30NV & BLUES50NV – Opzioni per BLUES30NV & BLUES50NV	
/CW	Morse-coded station ID code generated through FSK (Frequency Shift Keying) function * Codice identificativo della radio via codice Morse attraverso la funzione FSK(Frequency Shift Keying) *
/AESEBUBLUES	Digital/Analog converter Convertitore Digitale/Analogico
/TLW-BLU-E	WEB and SNMP/V1 basic telemetry system via the internet. Sistema di telemetria di base WEB e SNMP/V1.

* Please specify station name on order.
Si prega di specificare il nome della stazione in fase di ordine d'acquisto.