



UECP COMPATIBLE RDS/RBDS ENCODER WITH LAN, USB & RS-232 CONNECTIVITY

The SmartGen 5 encoder has all the features you would ever need from an RDS encoder at a fantastic price. SmartGen 5 supports all RDS Applications in conformity with European CENELEC and United States NRSC standards and is fully compatible with UECP EBU SPB490 Version 7.05

The interactive function RT+ for song tagging is fully supported without a compromise. The SmartGen 5 can 'parse' scrolling text, automatically breaking phrases into word groups. Based on the latest RDS technology, the SmartGen 5 is fully digital design for 24/7/365 operation. The SmartGen 5 is cost effective solution for sending TMC and EWS Services. The front-panel LCD displays setup parameters without the need for an on-site computer, and also shows incoming raw data from station automation as well as exactly what the listener sees on his radio.

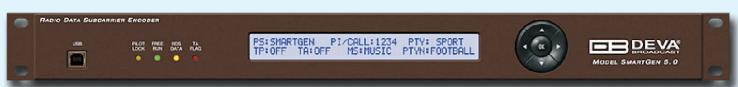
Supplied with free of charge, dedicated programming software "SmartGen RDS/RBDS Encoders Manager" this encoder programming is simple and foolproof like never before. SmartGen 5 comes along with Embedded WEB Server for remote and easy programming and supervision. SmartGen 5 gives dynamic programming access with its built-in RS232, USB, TCP/IP, UDP/IP interfaces. This connectivity permits full integration of RDS/RBDS transmissions with the station's other networked functions like message streams for Webcasting or Digital Radio. The SmartGen 5 encoder provides a full loopthrough interface for connection to your existing broadcast chain.

FEATURES

- Front panel LCD Display and Buttons for operating without a computer
- Remote configuration via ASCII or UECP through RS232, LAN, USB
- Supports European CENELEC and United States NRSC standards
- Displays outgoing scrolling messages exactly as seen by listener
- Includes the TA function for traffic message priority override
- Real time clock Schedules for Scrolling Text and text lists
- SNTP for automatic synchronization of the built-in clock
- Attractive price and very good price-performance ratio
- Fully compatible with UECP EBU SPB490 Version 7.05
- Internal data diagnostics and transmission safeguards
- Interfaces with all popular radio automation systems
- Compatible with EWS (Emergency Warning System)
- Proved and reliable hardware for 24/7/365 operating
- Embedded WEB server for interactive supervision
- Remote RDS viewer to visualize broadcasted data

4 General Purpose Outputs
2, LAN, USB
Easy Installation and Setup
Standards
Built-in failsafe bypass relay
by listener
LAN, USB & RS-232 Interfaces
override
PS & Radio Text Scrolling Options
ext lists
Fully Digital Synthesis of RDS signal
clock
MPX Loopthrough & Sidechain Modes
ratio
Supports TMC (Traffic Message Channel)
7.05
Very Intuitive UECP Configuration Software
ds
19" Professional Case for high RF immunity
Supports RT+ for songs and content tagging
Tally port for Traffic Announcement switching
Internal or external Pilot / MPX synchronisation
Works with any FM exciter and stereo generator

Built-in dedicated 19kHz source for internal sync





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SPECIFICATIONS

RDS FEATU	RES	
Group supported	All	
Group Sequence	Configurable	
PS	6 DSN x 4 PSN	
PI	6 DSN x 4 PSN	
PTY	RDS/RBDS	
AF Method A	25	
AF Method B	up to 100	
RT	Yes, 10 messages	
RT rate adjustment	Group Sequence	
RT+ for songs and content tagging	Yes	
ТР	Yes	
ТА	Contact closure, Software	
PTYN	Yes	
EON	4 PSN	
СТ	Yes	
TMC, EWS, IH, TDC	Yes	
Free Format Groups (FFG)	Yes	
Open Data Application (ODA)	Yes	
64-character Dynamic PS	Yes	
Auto "parses" long messages for best text display	Yes	
Scrolling by character	from 1 up to 8	
Scrolling by word, Auto centering, Truncate long words	Yes	

TECHNICAL SPECIFICATIONS				
Chassis Dimensions	1Ux19"x7", 44x485x1	78mm		
Shipping Weight	3kg			
Power Supply	Internal, 115V or 230	V		
Pilot/MPX Input	Yes			
MPX/RDS Output	0 to 4095 mV			
Inputs/Outputs	4 GPO, TA Input			
Communication Port	RS232, USB, LAN			
Synchronization	External (Pilot or MP)	X);		
	Internal; Auto			
Synchronization Monitoring	Yes			
RDS Level adjustment	Digitally controlled			
Phase adjustment	Yes, 0 ÷ 359.9°			
Activate RDS SCA w/ Command Yes				
EN50067 compliant	Yes			
Side Chain Mode, Loop through mode, Bypass feature Yes				
RDS Subcarrier	100% Digitally Generated	Shape		
Pilot synchronization	Input Level: -50dBu to +12	dBu		
Pilot synchronization	Frequency: 19kHz, ±3Hz			
Accurate Clock Time (CT) Sync w/ Internet Connection		Yes		
Remote TA actuation for Traffic Announcements		Yes		
Firmware can be upgraded in the field		Yes		
Front-panel LCD displays all programmed data		Yes		
Data may be entered on-site with Front-panel Buttons Yes				
Operating Temperature	0°C ÷ 55°C			

COMMUNICATION				
Communication Interfaces	RS232, USB, LAN	Password Protection	Yes	
Connection with Automation Software	Yes	ASCII Protocol	Yes	
Network Connectivity	2 TCP ports, 2 UDP ports	UDP, TCP, HTTP, SNTP	Yes	
Scheduler	Yes	PI <=> CALL Calculator	Yes	
Configuration	Embeded Web Server, SmartGen Manager	Remote Display	Yes	
UECP Protocol	Fully compliant with EBU SPB490 Ver.7.05	Supplied with Intuitive Software	Yes	
Accepts both ASCII and UECP Comma	and Sets Yes	Comes with 2-years Limited Warranty	Yes	



WE NEVER SPARE EFFORTS AND RESOURCES TO TURN OUR IDEAS INTO SUCCESSFUL PRODUCTS





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