

SmartGen Mini

UECP COMPATIBLE, COMPACT RDS/RBDS ENCODER WITH LAN & USB CONNECTIVITY

Compact, Robust, Reliable and Smart – This is just a small part of all the benefits of our Second Generation RDS/RBDS Encoder SmartGen Mini. The interactive function RT+ for song tagging is fully supported without a compromise. Based on the latest RDS technology, the SmartGen Mini is fully digital design for 24/7/365 operation. The SmartGen Mini is the most cost effective solution for sending TMC and EWS Services. It supports both of European CENELEC and United States NRSC standards and is fully compatible with the latest UECP EBU SPB490 Version 7.05

SmartGen Mini gives dynamic, on-the-fly programming access with its built-in USB, TCP/IP, UDP/IP interfaces. This connectivity permits full integration of RDS/RBDS transmissions with the station's other networked functions, including message streams for digital radio and Webcasting. The SmartGen Mini encoder provides a full loopthrough interface for connection to your existing broadcast chain. The SmartGen Mini can 'parse' scrolling text, automatically breaking phrases into word groups.

The SmartGen Mini has all the RDS features you would ever need at an incredible price.

FEATURES

- Supports European CENELEC and United States NRSC standards
- Remote configuration via ASCII or UECP through LAN or USB
- Includes the TA function for traffic message priority override
- Compact and Robust Aluminum Case for high RF immunity
- Real time clock Schedules for Scrolling Text and text lists
- SNTP for automatic synchronization of the built-in clock
- Internal data diagnostics and transmission safeguards
- Attractive price and very good price-performance ratio
- Fully compatible with UECP EBU SPB490 Version 7.05
- 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

- Easy Installation and Setup
- Built-in failsafe bypass relay
- PS & Radio Text Scrolling Options
- LAN & USB Programming Interfaces
- Fully Digital Synthesis of RDS signal
- MPX Loopthrough & Sidechain Modes
- Supports TMC (Traffic Message Channel)
- Very Intuitive UECP Configuration Software
- Supports RT+ for songs and content tagging
- Internal or external Pilot / MPX synchronisation
- Works with any FM exciter and stereo generator
- Built-in dedicated 19kHz source for internal sync
- Remote RDS viewer to visualize broadcasted data









SPECIFICATIONS

Technical Specifications		
Pilot/MPX Input	Yes	
MPX/RDS Output	0 to 4095 mV	
Inputs/Outputs	No	
Communication Port	USB, LAN	
Synchronization External (Pilot or MPX)	/ Internal / Auto	
Synchronization Monitoring	Yes	
RDS Level adjustment Dig	itally controlled	
Phase adjustment	Yes, 0 ÷ 359.9°	
Separate outputs for RDS+MPX and for RDS only	No	
Command to activate the RDS SCA	Yes	
Side Chain Mode, Loop through mode, Bypass feature	Yes	
RDS Subcarrier 100% Digitally Generated Shape / Bypass: 0 dB		
Pilot Sync Input Level: -50dBu to +12dBu / Frequency: 19kHz, ±3Hz		
EN50067 compliant	Yes	
Accurate Clock Time (CT) Sync with Internet Connection Yes		
Remote TA actuation for Traffic Announcements Yes		
GPS module for automatic synchronization of the built-in clock No		
Fully independent RDS decoder for self-monitoring purposes No		
Firmware can be upgraded in the field Yes		
Front-panel LCD displays all programmed data No		
Data may be entered on-site with Front-panel Buttons		
Operating Temperature	-15°C ÷ 55°C	

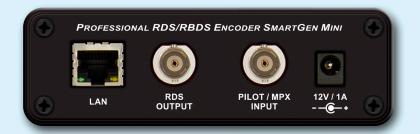
Communication		
Communication Interfaces	USB,	LAN
Connection with Automati	on Software	Yes
Network Connectivity	2 TCP ports; 2 UDP p	orts
Scheduler		Yes
Configuration	Embeded Web Server, SmartGen Man	ager
Password Protection		Yes
ASCII Protocol		Yes
UDP, TCP, HTTP, SNTP		Yes
Alert notifications on user-	-defined events via SNMP or E-mails	No
Embedded SNMP agent permitting active management tasks No		No
Custom HTML formatted E-mail templates with dynamic variables No		No
Supported Network Protoc	cols: HTTP, SNTP, UDP, TCP, U	PnP
UECP Protocol	Fully compliant with EBU SPB490 Ver.	7.05
PI <=> CALL Calculator		Yes
Remote Display		Yes

RDS Features		
Group supported	All	
Group Sequence	Configurable	
PS	4 DSN x 4 PSN	
PI	4 DSN x 4 PSN	
PTY	RDS/RBDS	
AF Method A	25	
AF Method B	up to 50	
RT	Yes, 5 messages	
RT rate adjustment	Group Sequence	
RT+ for songs and content tagging	Yes	
TP	Yes	
TA Control Co	mmand, Software	
PTYN	Yes	
EON	4 PSN	
CT	Yes	
TMC, EWS, IH, TDC	Yes	
Free Format Groups (FFG)	Yes	
Open Data Application (ODA)	Yes	
64-character Dynamic PS shown on all RDS/RBDS F	Radios 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 word	ls Yes	

Operating conditions		
Temperature	-15°C to 55°C	
Humidity	< 95%, non-condensing	
Altitude	0 to 5000m above sea level	

Power	
Voltage	External, 12V / 0.5A
Power Consumption	5VA
Connector	Power Jack 5.5mm

Size and Weight		
Dimensions (W;H;D)	120 x 31 x 103 mm	
Shipping Weight	230 x 54 x 172 mm / 0.580 kg	
HS Code	8527212000	



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

