SmartGen Micro

BASIC RDS/RBDS ENCODER

SmartGen "Micro" Encoder is the quick and inexpensive way to have an RDS/RBDS presence. The SmartGem "Micro" is able to transmit basic RDS information such as the Program Service name(PS), Program Identification(PI), Alternative Frequencies(AF), Program Type(PTY). Decoder Information and Music / Speech flag are also supported. USB connectivity makes it easy to program the non-volatile memory using any PC and the supplied Windows® software. After programming, the unit may be disconnected and re-installed at the transmitter site. Though it is not capable of "dynamic" messaging with song titles, SmartGen "Micro" will identify your station by format, display your station's "street name", and continuously transmit any station promo or advertising message to your listeners.

FEATURES

- Very Attractive Price
- Very Good Price-Performance Ratio
- Works with any FM exciter and stereo generator
- PS & Radio Text Scrolling Options
- Built-in dedicated 19kHz source for internal sync
- Fully Digital Synthesis of RDS signal
- Very Intuitive Windows Configuration Software
- MPX Loopthrough & Sidechain Modes
- Supports both RDS & RBDS standards
- Easy Installation and Setup
- Robust Aluminum Case for high RF immunity
- USB Programming Interfaces
- Proved and reliable hardware for 24/7/365 operating
- Built-in failsafe bypass relay
- Internal or external Pilot / MPX Synchronisation

SmartGen Micro

SPECIFICATIONS

RDS FEATURES	
Group supported	0A, 2A
Group Sequence	Fixed
PS	1
PI	1
PTY	RDS/RBDS
AF Method A	7 AFs
RT	1 message
RT rate adjustment	Yes
TP	Yes
TA	Command
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	4.72"x4.06"x1.2", 120x103x31mm
Shipping Weight	1kg
Power Supply	External, 12V / 0.5A
Pilot/MPX Input	Yes
MPX/RDS Output	0 to 3199 mV
Communication Port	USB
Synchronization	External (Pilot or MPX); Internal; Auto
RDS Level adjustment	with trim pot
EN50067 compliant	Yes
Side Chain Mode, Loop through mode, Bypass feature	Yes
RDS Subcarrier	100% Digitally Generated Shape
Pilot synchronization	Input Level: -50dBu to +12dBu; Frequency: 19kHz, ±3Hz
Firmware can be upgraded in the field	Yes
Operating Temperature	0°C ÷ 55°C
PI <=> CALL Calculator	Yes
Configuration	SmartGen Manager
Supplied with Intuitive Software	Yes
Comes with 2-years Limited Warranty	Yes

DYNAMIC RDS/RBDS ENCODER SMARTGEN MICRO

INJECTION LEVEL — RDS OUTPUT — PILOT / MPX INPUT — 12V / 1A

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