AEV RDS coder OEM

The latest radical development of this system now allows programming of the RDS Coder via Satellite, an indispensable innovation that **AEV** has implemented with the creation of the **RDS 4500**.

RDS 4500 is extraordinary, not just because of this latest development, but also for the astonishing price which is guaranteed to surprise you. Designed to the highest standards, **RDS 4500** is an innovative system, highly reliable, simple to operate, created for discerning broadcasters and capable of exploiting today's evolving RDS technology.

Traditional programming. Satellite programming.

All the broadcasters data are stored in the **RDS 4500**'s memory via a PC program. Programming via satellite is a remarkable, novel feature, which makes the **RDS 4500** unique. All the local RDS data are programmed via the transmitting satellite's (uplink) serial port. Data can be programmed separately, one by one, by connecting the serial port to the satellite receiver (down link).

The principal features of this encoder are as follows:

· 50 PSN
· 100 AF LISTE
· RS 232 C
· DATE, HOUR and CT
· RADIOTEXT
· TA - PTY - MS
· Fast tuning and switching information
· Traffic Message Channel
· Enhanced Other Network
· Linkage Information
· Lenguage Identification Code
· Extended Country Code
· Application Identifications
· Program Type Name

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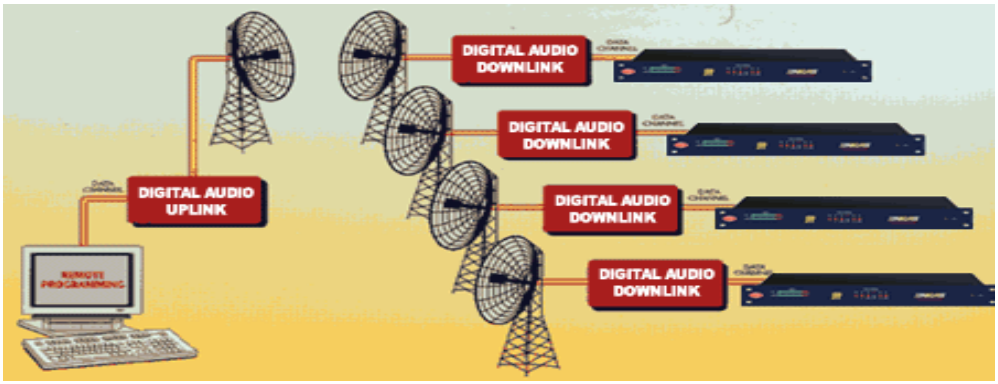
· 19 KHz Input available on the rear panel
· Command TA - TA EON 0 - TA EON 1 - TA EON 2 - TA EON 3 - TA EON 4 - MS - RDS . OFF –
. remote available on the rear panel via Cannon 25 pin connector
· Enabling of transmitted groups (eg. RDS - CT - RADIOTEXT)
· Control of leap years
· RDS segnal level adjust



RDS PROGRAMS TRANSMITTED

PI (Programm Identifier)	**EON** (Enhanced Other Network)
PS (Programm Service Name)	**FT** (Fast Tuning)
TP (Traffic Programm)	**LIC** (Language Identifier)
TA (Traffic Announcement)	**PTYN** (Programm Type Name)
AF (Alternative Frequencies)	**ECC** (Extended Country Code)
PTY (Programm Type)	**LI** (Linkage Identifier)
RT (Radiotext)	**TMC** (Traffic Message Channel)
CT (Clock Time)	**PIN** (Program Item Number)
M/S (Music-Speech)	**TDC** (Transparent Data Channel)
DI (Decoder Identifier)	**IH** (In House Application)

Technical details

RDS Generator	
RDS signal:	Standard specif. EBU Doc. Tech. 3244-E and Cenelec PrEn 50067
Coding:	Differential and Biphase
Modulation	DSB-suppressed carrier
Frequency	57 KHz
Bandwidth	± 2.4 KHz
RDS injection into MPX signal	- infinite ÷ - 16 dB
RDS output level	0 dBu
Output Impedance	100 Ω (max load 5 K Ω)
Connector	BNC grounded to chassis
Data Syncrhonization	
Terminal Interface:	RS232-C at rear, asynchronous
Data Input	Full duplex
Format	Selectable
Transmission Speed	2400 ÷ 19600 baud
Connector	9 contact subminiature cannon female
RDS Data management	Microprocessor controlled 128 Kbyte
Non volatile memory	RAM data retention 10 years.
Remote I / O	MS, TA, RDS OFF Cmos level
Connector	25 pin subminiature cannon female
Power requirement	+12v, -12v, +5v
Dimension (WxD)	11,20 x 8.00 cm