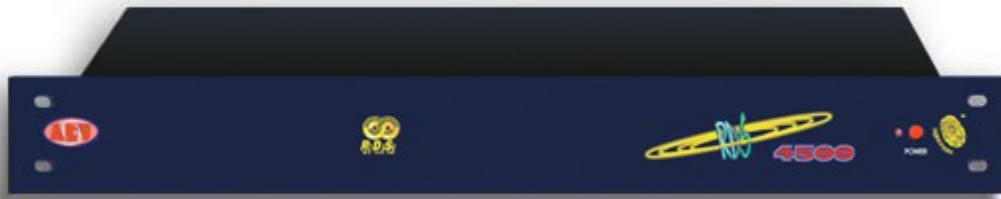




AEV coder RDS4500



RDS 4500, the latest Satellite-programmable version. Radio Data System is an inaudible, digital information, transmission system, introduced by FM radio stations in addition to audio programs.

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.

With the **RDS 4500**, **AEV** will once more arouse the enthusiasm, which has become synonymous with its name.



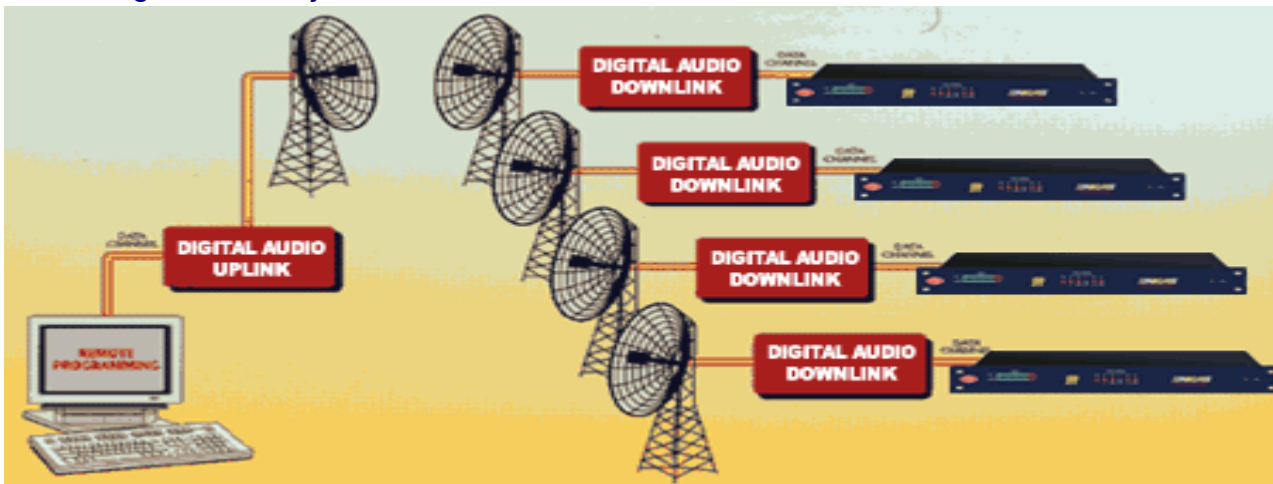
Traditional programming. Satellite programming.

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
- Language Identification Code
- Extended Country Code
- Application Identifications
- Program Type Name
- 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 .
- OFFremote available on the rear panel via Cannon 25 pin connector
- Enabling of transmitted groups (eg. RDS - CT - RADIOTEXT)
- Control of leap years
- RDS signal 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)



AEV RDS 4500



M/S (Music-Speech)

TDC (Transparent Data Channel)

DI (Decoder Identifier)

IH (In House Application)

Electrical Specifications

RDS Generator

RDS signal: Standard specification 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 \div - 16 dB
RDS output level 0 dBu
Output Impedance 100 ohm (max load 5 Kohm)
Connector BNC grounded to chassis

Data Synchronization

Terminal Interface: RS232-C at rear, asynchronous
Data Input Full duplex
Format Selectable
Transmission Speed 2400 \div 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

General Data

Power requirement 87 \div 265 VAC 50 \div 60 Hz
Consumption 8 VA
Dimension (WxHxD) 48.3 x 24 x 4.4 cm 1 rack unit
Weight 2,5 Kg. (5.5 Lbs)
Operating Temp. 0 \div 50° C