



RDS PRO-4



Fully-featured RDS / RBDS Encoding with IP control and LCD: FLEXIBLE, PROFESSIONAL AND COST-EFFECTIVE

BENEFITS:

- VERY cost effective
- Making life easier for broadcast professionals: quick and easy hardware integration
- Save time with intuitive, well-developed programming software
- Don't miss out: feature set includes every RDS function most stations will ever need
- IP remote control
- LCD enables quick onsite validation of transmitted data without using a PC

Latest
firmware
Now supports
UECP - RT+
and TMC

APPLICATIONS:

- RDS / RBDS encoding for stations of all sizes (includes EON)
- Network Radio
- Local / Commercial / Community Radio

FEATURES:

- A properly designed and implemented RDS solution for all FM broadcasters
- Switchable MPX (Composite) loop-through mode
- Maintains programme reliability in loop mode - automatic MPX 'pass-through' relays
- IP, RS-232 & USB control based on simple ASCII commands or basic UECP implementation
- Powerful Windows based configuration utility for easy initial setup
- All user adjustments accessible from front/rear panel - no need to take the lid off
- Addressing - independent or common control of up to 255 units in a network
- Advanced weekly scheduling in Stand-Alone and PC-Dependent modes
- Define up to 99 different messages or link to an automation system
- Internal real-time clock with battery backup for correctly inserted clock-time facility
- External contact closure TA switch
- No special 19 kHz input needed - pilot tone recovered from the MPX signal
- Four modes of Dynamic / 'Scrolling' PS (where legal)
- LCD display
- Integral IP Ethernet port



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SPECIFICATIONS

RDS Data Groups supported:

PI	Program Identification	M/S	Music/Speech
PS	Program Service	PIN	Program-Item Number
PTY	Program Type	ECC	Extended Country Code
TP	Traffic Program	RT / RT+	RadioText including Tagging
AF	Alternative Frequencies	TDC	Transparent Data Channels
TA	Traffic Announcement	IH	In House Applications
PTYN	Program Type Name	ODA	Open Data Applications
DI	Decoder Identification	CT	Clock-Time and Date
EON	Enhanced Other Networks information	TMC	Traffic Message Channel

<p>Output RDS signal amplitude: Adjustable <25mV to >1.4 V pk-pk</p> <p>RDS signal bandwidth: +/- 2.4 kHz (-50 dBc)</p> <p>RDS spurious suppression: >90 dB</p> <p>RDS harmonics suppression: >80 dB</p> <p>MPX loop-through voltage gain: 1.00 (guaranteed from 2 Hz to 100 kHz)</p>	<p>Clock reference: Pilot tone or internal generator</p> <p>19 kHz pilot PLL lock bandwidth: software switchable +/- 5 Hz or +/- 2 Hz</p> <p>Pilot tone level: min. <50 mV pk-pk</p> <p>Phase shift adjust: 0-180 degrees in 9.5 degrees steps</p> <p>Signal connectors: Unbalanced, BNC, 50-Ohm</p>	<p>Data connector: RJ45, RS-232 (9 pin f), bidirectional</p> <p>Noise protection: Threefold level sampling</p> <p>Com. speed: Software switchable 1200-19,200 kbps</p> <p>Com. mode: 8 data bits, no parity, 1 stop bit</p> <p>UECP protocol support: Basic implementation for TMC and RT+</p>
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Power:

100 - 240V AC / 7.5 Watts. (Acceptable range 88 to 264V AC)

Dimensions & weight:

1-RU: 44 x 482 x 290mm deep / 1.75" x 19" x 11.25" deep. Weight: 1.8kg / 4lbs

Computer Control:

All parameters can be accessed and modified under PC control (GUI software included). USB (front panel), plus 10/100 base-T Ethernet and RS-232 (rear panel). ASCII text-based command format.

Warranty:

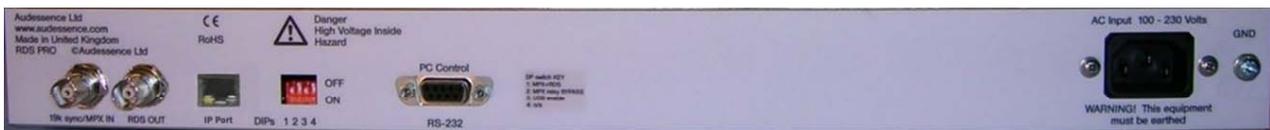
3 year return-to-base warranty

Defining Specification:

CENELEC EN50067

Approvals:

CE (EMC & LVD), RoHS



PRODUCT INFORMATION Issue 1.00 - E&OE - SUBJECT TO CHANGE WITHOUT NOTICE



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