PROFLINE
an International Datacasting Company

RDY

Digital RDS encoder

UECP V6.01 compliant

The PROFline RDY is based on most sophisticated 32 bit Digital Signal Processing technologies offering uncompromised digital processing of RDS data.
The RDY offers a state of the art digital broadcast quality RDS encoder according to the EN50067/62106 standard.

A RDS databank- and management software completes the RDY system offering an advanced but easy to maintain RDS network. The RDS databank- and management software can be adapted to the broadcasters need.
This combination of high-end technology and advanced functionality makes the PROFline RDY the perfect companion for professional broadcasters.

Main features;

- *32 bit Digital Signal Processing technology*
- *UECP V6.01 compliant*
- *Double in- and outputs for UECP, MPX, 19 KHz and 57 KHz*
- *Extensive supervisor function for system performance with logging capabilities*
- *4 user definable inputs & 7 user definable outputs*
- *Front panel control and remote controllable over TCP/IP or RS232*
- *Compact 1U / 19 Inch housing*
- *Controllable over RDS management and database software*

RDS Databank Software

BROADCAST PARTNERS
We make radio happen

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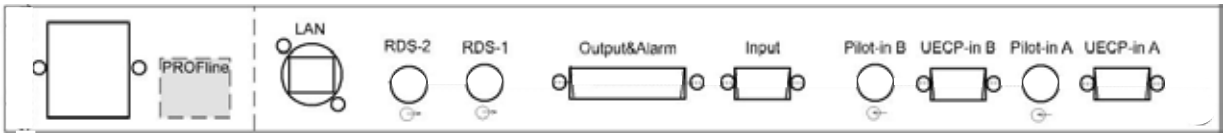
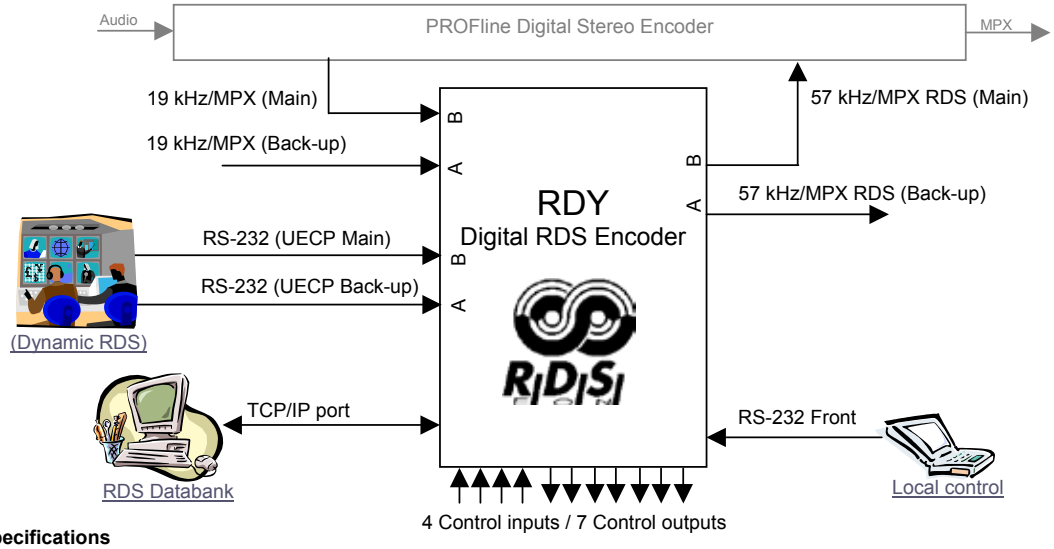
General
For over 15 years PROFline develops and provides a wide variety of broadcasting products for the professional broadcast market. The strong demands from our customers for PROFline products forms the basis for the continuously development of new products.

RDY
All of PROFline's long and extensive experience in broadcast and cable head-end networks was utilized for the development of the RDY and resulted in a full digital RDS encoder based on the latest 32 bit DSP technology.



The RDY, RDS encoder has a full implementation of the UECP Version 6.01 protocol and is accessible over one of the serial RS-232 ports on the rear side, a serial RS-232 port on the front side or over an optional IP port. The RDY also offers front side control by keypad and display. The onboard memory preserves the RDS settings even after a signal and/or power loss.

RDS Database and management
The optional available RDS databank- and management software offers full remote control of the PROFline RDY over an UECP and/or IP connection. The advanced Database software is capable of managing all RDS parameters like EON, MEC access rights, TDC, ODA Buffers, Configuration and many more. As every broadcasters has it's specific demands the RDS Database and management software can be offered tailor made. Please contact PROFline for a detailed overview.



Specifications

RDS Encoder

Input	: 19 kHz or MPX, BNC
RDS data input	: UECP format
19 kHz input impedance	: High "Z" or 600 Ohm, BNC
RDS deviation	: 0,1 to 7,5 KHz in 0,1 kHz steps
RDS carrier stability	: 57 kHz, better than 50 ppm
RDS data spectrum	: Digital 50% cosines roll-off filter,
	: -70 dB
19 kHz input range	: -30dB to 10 dB
19 kHz fase tracking	: +/- 4 Hz
Communication input	: UECP V6.01 supported
RDS protocol	: according to EN50067/62106
57 kHz/MPX output	: -57,5dBr to –20dBr in 0,1dBr steps
57 kHz/MPX output impedance	: BNC, 20 Ohm
Distortion	: > 74 dB (< 0.02%)
S/N	: > 80 dB(CCIR Rec.468-4 unw.)
Hum modulation	: > 80 dB

I/O Port

Inputs	: 4, Opto couplers
Outputs	: 7, Relays

Data, alarm & ancillary ports

Remote communication ports	: Ethernet TCP/IP
Output ports	: Sub-D25 connector male
Input ports	: Sub-D9 connector male
UECP communication port	: RS 232 / 1K2 – 38K4 Baud
Port type	: DTE

General

Main power	: 100 to 240 VAC, 50/60 Hz,
	: maximum 45 Watt
Power connection	: IEC panel-mount plug filter
	: with fuse 2.5 AT
Safety and EMC	: in accordance to CE regulations
Operation ambient temperature	: 5 to 45 ºC (storage -5 to 65 ºC)
Housing dimensions	: 19 inch x 1u x 300 mm (depth),
Weight	: 5 kg

Option: IP port

Protocol	: TCP/IP
Port type	: Ethernet RJ45, 10/100 Mbps

Available RDY models

RDY	: Digital RDS Encoder according V6.01
Option: IP	: IP/Ethernet accessibility
Option: LCM	: Load & Control software (remote control)

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