

The BW range of RDS encoders offer a low cost solution for transmitting RDS data with your audio broadcast. From simple, low cost name display (PS) to sophisticated networkable models that allow advanced text and open data transmission protocols, you can be assured of one thing.... great value for money.

The RDS 1 encoder is a simple to use rackmount unit that provides a cost effective solution for radio stations who wish to broadcast to their listeners the following basic information using the Radio Data System.

1. Station Name (PSN)
2. Program Type/Genre (PTY)
3. Music or Speech Setting (MS)
4. Program Identifier (PI)

Unlike other RDS encoders this unit does not require a computer to setup or operate. Setup is simple using the intuitive 4-button user interface which allows all the basic RDS parameters to be programmed.

The encoder provides several ways of connecting to a broadcast transmitter ensuring compatibility with virtually all transmitters. The RDS signal can be mixed in with your MPX signal when the MPX signal is passed through the encoder or the RDS1 can operate in 'standalone mode' for connection to the RDS input of a compatible transmitter.

We think the RDS1 has to be the simplest way of getting your name on-air.

The RDS2 encoder has all the features you would ever need from an RDS encoder at a fantastic price.

The RDS2 supports almost all RDS protocols. As well as the basic RDS features supported by the RDS1, the following list identifies some of the popular RDS protocols supported by the RDS2

1. Traffic Flag (TP)
2. Traffic Announcements (TA)
3. Alternative Frequency List (AF)
4. Clock Time (CT)
5. Radio Text (RT)
6. Enhanced Other Networks (EON)

The RDS2 also has a real-time clock and memory to support 8000 characters of text allowing a wealth of extra text transmission possibilities including scrolling text and scheduled/timed text lists.

Programming is simple with the supplied Windows program which can be used directly or remotely via satellite. After initial programming the RDS2 will operate without any PC connection required. The RDS2 can also be setup to display track information from a radio automation system via an RS232 connection to a PC.

Further remote control or automation can be achieved by using a back panel IO port which allows contact closures to trigger traffic announcement flags

The RDS2 is easy to connect to your broadcast chain having interfaces to connect in 'loop-through' mode or operate independently. In either mode the RDS2 can be setup to synchronise with your Stereo pilot signal.

Compare features and price and you'll struggle to find a better value RDS encoder.

The RDS3 is a dynamic RDS encoder with full TCP/IP networking connectivity and powerful interfacing features.

The RDS3 supports all RDS protocols and includes the ability to easily connect to your radio automation software for automatically displaying track information such as titles and artist through RT or PSN protocols.

The RDS3 may be controlled through its 10BaseT Ethernet port and has an embedded web server allowing you to remotely configure the unit using a standard web browser. For effective network control the following network protocols are also supported: Telnet, TCP/IP, FTP, HTTP, SNMP, SMTP, MIB integration.

The RDS3 also allows you to broadcast scrolling text - check this is legal in your country. This allows long strings of text information to be scrolled on the receiver main display rather than using RadioText (RT). The format of the text can be customized and configured through a HTML web page.

Another feature of the RDS3 is the embedded scheduler which allows you to display messages based on time and date. The embedded scheduler can be accessed via a web browser. The scheduler can be used in programming the PSN or RadioText information.

The RDS3 can either be used in loop-through mode in your broadcast chain or can operate as a stand-alone unit.

SPECIFICATIONS

RDS1

RDS Services	PS,PTY,PI,M/S
Inputs	MPX in
Outputs	MPX / RDS out
Synchronisation	No Sync
Power Supply	115/230V AC 50-60Hz
Dimensions	483mm x 44.5mm x 240mm
Weight	2kg

RDS2

RDS Service	PS, AF, TA, PTY, RT, CT, IH, TDC, PI, TP, DI, PIN, M/S, EON
Inputs	19kHz and MPX, RS232, GPIO
Outputs	MPX / RDS
Synchronisation	Sync to 19kHz pilot input
Power supply	115/230V AC 50-60Hz
Dimensions	483mm x 44.5mm x 240mm
Weight	3kg

Full specifications available at www.bwbroadcast.com

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RDS3

RDS Services	PI, PS, TP, TA, MS, PTY, DI, AF, RT, TMC, Paging, IH, EON, ODA, TDC, EWS, CT
Inputs	TCP/IP, 1 x RS485, 3 x RS232, GPIO, MPX in/sync, RDS in
Outputs	MPX / RDS out, 4 x relay outputs
Synchronisation	Auto pilot tone sync
Power Supply	115/230V AC 50-60Hz
Dimensions	482mm x 44.5mm 220mm
Weight	5kg



www.bwbroadcast.com



RDS ENCODERS

Getting Your Name

OUT THERE

The BW range of static and dynamic Radio Data System encoders designed to suit every budget.

RDS1

Get your name 'on-air'... The RDS1 is a low cost, simple to use static RDS encoder. Setup is done on the front panel - No computer required.



- LCD display
- No computer needed
- Basic RDS functions
- MPX loopthrough
- Stand alone design

RDS2

Dynamic RDS... The RDS2 is a dynamic RDS encoder at a great price. Supports scrolling text and timed text lists.



- Serial remote control
- Tally ports for TA switching
- Windows remote application
- Scrolling text
- Real time clock schedules
- MPX loopthrough
- Internal or external synchronization

RDS3

Industry Standard RDS... The RDS3 is an industry standard UECP compliant fully dynamic RDS encoder with TCP/IP connectivity.



- RT+ compatible
- Configuration via ASCII, UECP and through the network protocols
- 3 RS232 ports
- 8 digital inputs
- 4 relay outputs
- Internal or external synchronization
- Integrated RDS decoder
- 10BaseT Ethernet with TCP/IP, RJ45 connector
- SNMP management, traps, set and get commands
- FTP for down/up/loading history, configuration, data, html files and internal firmware
- Embedded WEB server for interactive supervision
- SMTP for automatic email alerter
- UDP sockets for RDS data broadcasting: full UECP and ASCII supported

Feature Comparison

RDS Services	RDS1	RDS2	RDS3
Control Interface	Front Panel Buttons	PC Applications	PC Web Browser
Dynamic RDS	NO	YES	YES
Scheduling	NO	YES	YES
Network connectivity	NO	NO	YES
Integrated RDS decoder	NO	NO	YES
Relay Outputs	NO	NO	YES
UECP compatible	NO	NO	YES