732

RDS / RBDS Dynamic Radio Encoder

With the 732, Inovonics sets a new standard in FM-broadcast radio metadata encoding. Following in the tradition of our industry-mainstay Model 730, the 732 introduces new features and options that simplify setup and operation, and improve both performance and reliability.

Our many years' involvement with station automation providers ensures that the 732 will interface flawlessly with virtually any playout system. The 732 sends artist-and-title information to listeners' radios and supports RT+ song 'tagging.' A built-in scheduler can deliver static PS or RadioText messages at specific times and dates, or on recurring days of the week, and a programmable RDS Data Delay feature timealigns messaging to match profanity or transmission diversity delays.

The 732 has an IP-based Web interface accessible with any computer, tablet or mobile device over a local network, or from anywhere in the world through the Internet. And in keeping with industry trends toward device interoperability, the 732 is fully SNMP compliant.

Multiple hookup options anticipate all interconnection possibilities: remote or studio encoder location; discrete, composite or IP STLs; any combination of processors and exciters; even monaural transmissions.

Alarms dispatch email or text message alerts for communication loss and irregularities, and alarms are logged for later analysis as well. GPIOs enable instant TA (traffic alert) flags and provide local closures for alarms.

3 year WARRANTY

Made in USA

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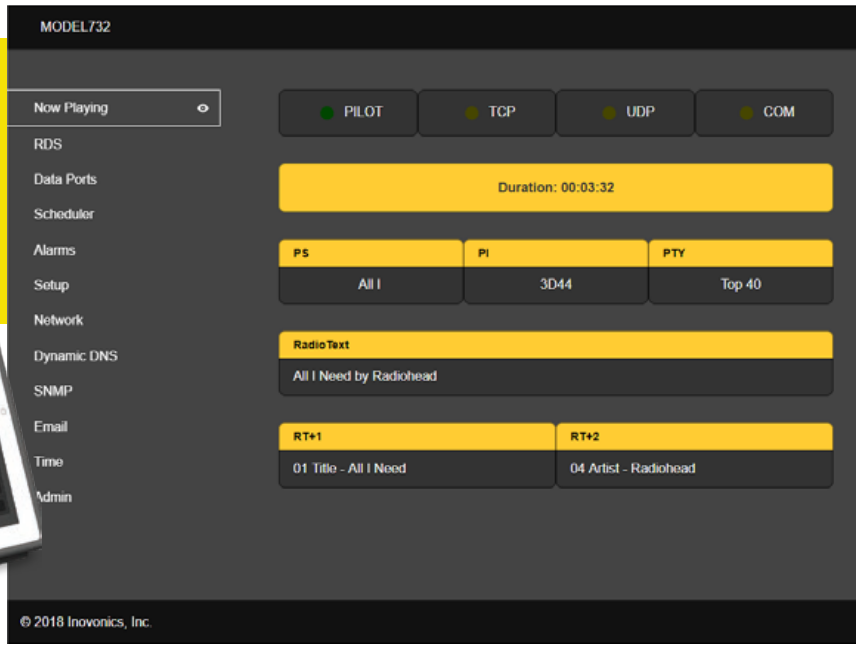
732 RDS/RBDS RADIODATA ENCODER

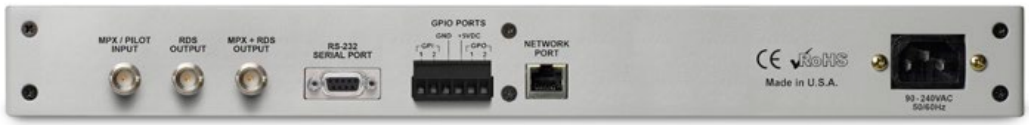
All Inovonics Web-enabled products feature a "responsive" interface, allowing complete setup, error logging and control of the unit from any PC, tablet or mobile device. Reliable 2-way connectivity is assured with a built-in Dynamic DNS utility.

FEATURE HIGHLIGHTS

- Built-in Webserver for control and monitoring of all functions and parameters
- Programmable from the front panel or through the interactive Webpage interface
- Front-panel OLED screen displays a multi-level, easy-to-navigate menu tree
- Troubleshooting 'debug' screen shows raw incoming data from station automation
- Separate RDS and MPX+RDS outputs for sidechain or loop-through configurations
- SNMP and UDP-multicast support; IP whitelisting for automation data ports
- Alarms with email alerts for pilot loss and DPS/RT update failures
- Easy firmware updating through the built-in Webserver

The Model 732's "responsive" Web Interface allows remote control and monitoring of your RDS/RBDS feeds from a variety of mobile and desktop devices.





TECHNICAL SPECIFICATIONS

RDS Applications Supported

PS (Program Service Name) An 8-character station 'street name' or a 128-character scrolling message (song info, promos, advertising, etc.)

PI (Program Identification) The 732 automatically calculates PI codes for US and Canadian stations.

PTY (Program Type) Your station's format

PTYN (Program Type Name) A further refinement of your type or style of programming

TP/TA (Traffic Program / Traffic Announcement) A utility that calls attention to critical traffic or other emergency situations. Some RDS radios automatically retune to these announcements, even overriding CD or MP3 playback.

AF (Alternative Frequencies) Up to 25 frequency entries for rebroadcast 'translators'

RT (RadioText) A 64-character block of plain-text messaging that can be called-up on the faceplate of most RDS radios

RT+ (RadioText Plus) An updated standard for song info display and a means of 'tagging' songs for purchase, etc.

CT (Clock Time and Date) The 732 sends the current time to RDS radios. The feature is set and updated automatically with an Internet connection.

DI (Decoder Information) The mono/stereo data flag

M/S (Music/Speech Switch The mixed-music or speech-only data flag

Internal Scheduler

Up to thirty PS or RadioText messages or commands, may be programmed for transmission at specified times on prearranged dates or recurring days of the week.

Optional RDS Data Delay

Scrolling-PS, RadioText and RT+ message updates may be subjected to a delay programmable in 1 second increments to 200 seconds. This allows text messaging to match audio program profanity and transmission diversity delays.

Setup and Data Entry

The front-panel OLED and jog wheel allow on-site setup of all operating parameters. The built-in Webserver also gives easy access to setup, control and monitoring functions.

SNMP

All setup and operating controls and alarm functions are under SNMP management

MPX/PILOT Input

An unbalanced/bridging (BNC) input accepts either the complete composite-multiplex (MPX) stereo baseband signal or 19kHz TTL-level pilot sync from the stereo generator. Maximum amplitude: 5V p-p. The 732 reverts to an internal crystal timebase for monaural transmissions.

RDS Output

Unbalanced, 75-ohm (BNC); delivers the RDS subcarrier (only) to feed the RDS/SCA Input of an FM exciter. This output is used in the 'sidechain' encoder mode. Level is adjustable from zero to 3.7V p-p.

RDS+MPX Output

Unbalanced, 75-ohm (BNC) The RDS subcarrier is internally mixed with the MPX input signal, which is delivered to this output at unity gain. The RDS subcarrier level in the combined baseband signal is one-third the Vp-p level set for the RDS (only) Output. This is the output for the loop-through encoder mode.

Serial Data Port

A rear-panel RS-232 connector (DB-9) accepts dynamic messaging from a direct connection with station automation or STL data link.

LAN (IP Network) Port

This rear-panel connector (RJ-45) conforms to TCP/IP protocols. Two TCP ports and two UDP ports provide connectivity from networked playout systems and other sources.

GPIO Ports

Two GPI (input) and two GPO (output) terminals may be programmed for local control and alarms.

TA Switching

The temporary TA flag is set either by a software command or with a contact closure through a rear-panel GPI terminal. The 732 has a TA-timeout utility to preclude TA flag violations.

Power Requirements

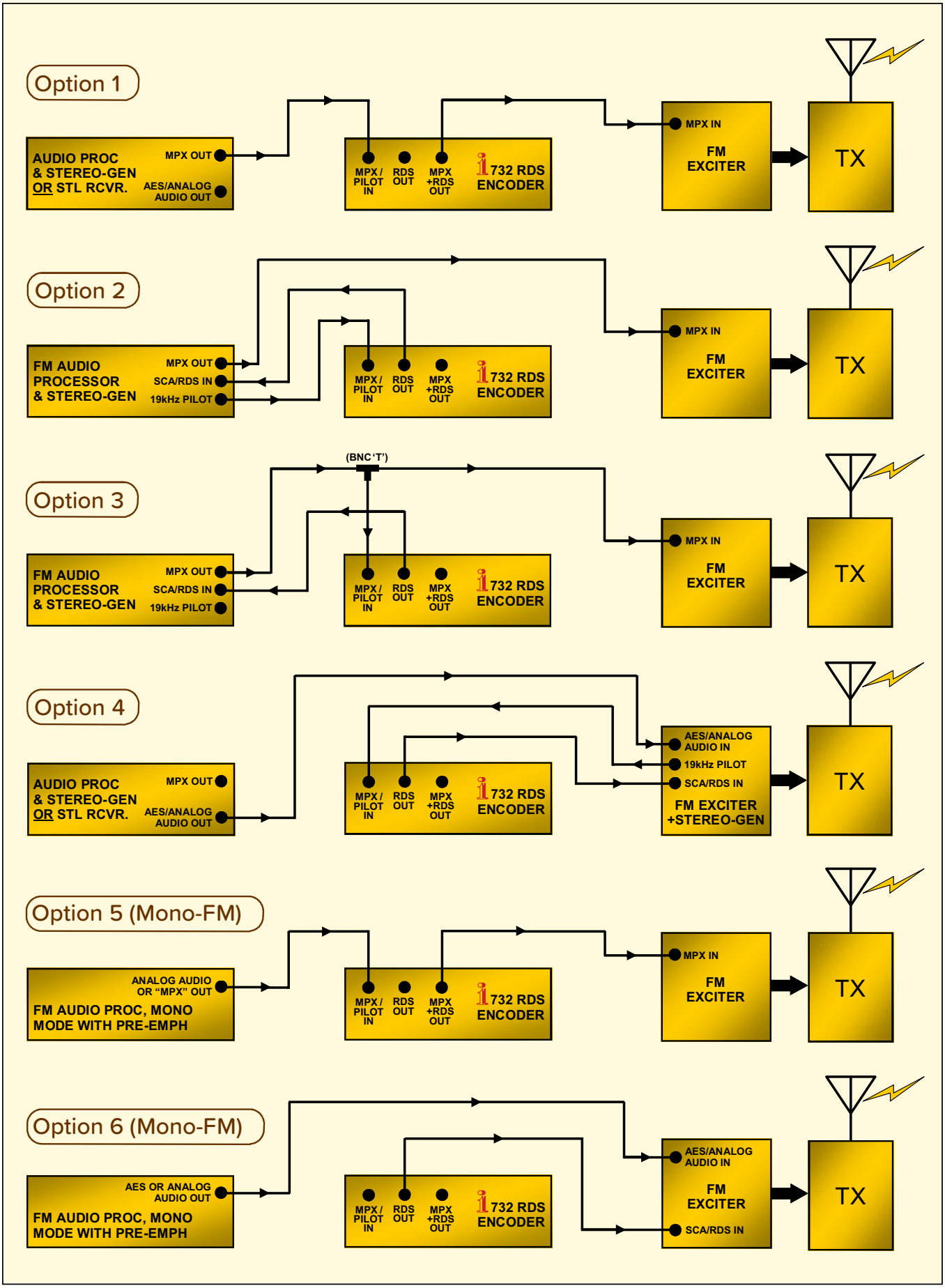
88VAC-264VAC, 48Hz-63Hz ('universal'); 12W

Size and Weight

H: 1¾"/44mm, W: 19"/483mm, D: 9½"/240mm (1U); 9 lbs/4kg (net), 12 lbs/5.4kg (shipping)

Conformances

CE EN50081-1
EN50082-1
93/68/EEC

RoHS 2002/95/EC

TYPICAL HOOKUP OPTIONS FOR THE 732 RDS/RBDS ENCODER