INOmini 703

RDS/RBDS Encoder

THIS COMPACT, LOW-COST ENCODER GIVES YOU BASIC RADIODATA STATION BRANDING QUICKLY AND EASILY.

Have RDS/RBDS up and running within minutes! The 703 has foolproof USB connectivity and intuitive Windows® software, making it a snap to scroll station IDs, program promos and advertising messages (up to 128 characters!) across RDS-enabled radios, cell phones and MP3 players.

Although the 703 is not intended for 'dynamic' messaging (song titles, weather and stock reports), it does include the important RDS/RBDS housekeeping functions, including independent RadioText message entries and the Alternative Frequency list that can identify your rebroadcast translators.

Messaging may be updated instantly when the studio and transmitter are co-located, and its non-volatile memory lets you pre-program the 703 for later installation at a remote transmitter site.



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INOmini 703

Features and Specifications

- Program this stand-alone encoder in minutes using the self-guiding Windows® software provided and a foolproof USB connection to any PC. Rapid data transfer allows scrolling messages to be updated in seconds. *Not intended for 'dynamic' messaging such as song information, weather and stock reports, etc. Other Inovonics RadioData encoders do support these functions.*
- All encoder setups are held in non-volatile memory. The 703 may be programmed when and where it is convenient and then relocated to the transmitter site as required.
- Encoder programming is easily confirmed on-site without a computer using the front-panel menu buttons and lighted LCD display.
- The 703 locks to the stereo pilot from a bridged composite/MPX sample and may be used with any stereo-gen and exciter. *The 703 is not suitable for monaural broadcasting.*



Rear view



*Front view in optional rack that holds up to 3 **INO**mini modules in a 1U space*

RDS APPLICATIONS SUPPORTED

PS (Program Service Name) At the user's option, the PS entry may be either a static 8-character informal station ID (a 'street name' such as LIVE 105), or a scrolling station promo or advertising message up to 128 characters in length. PS entries are displayed on the faceplate of every RDS radio, and on most cell phones and MP3 players that have built-in FM radios. The display mode and scrolling rate of PS messages are user-programmable.

PI (Program Identification) Every RDS station is identified by a unique numerical code, its 'digital address.' North American 'K', 'W' and 'C' call signs are automatically converted to the proper PI code by 703 software. In other countries the PI code is assigned by the local Broadcasting Authority and is entered numerically.

PTY (Program Type) Your station programming format is keyed to a list of pre-assigned categories to help listeners search for their listening preferences.

AF (Alternative Frequencies) Enter as many as 25 frequencies of rebroadcast 'translators' or other sources of the very same program as the main channel. This helps RDS radios seek the best signal source for a particular listening location.

RT (RadioText) This 64-character block of plain text is separate from, and in addition to, the scrolling PS message. Generally used for additional information about the station, such as a Web address or telephone number, this text is accessed with the INFO or TEXT button on some radios.

M/S (Music/Speech Switch) A service flag that identifies the transmission as a mixed music program or a speech-only (news/talk) station.

DI (Decoder Information) Part of the RDS protocol identifying the transmission as stereophonic.

MPX SAMPLE INPUT

An unbalanced, high-impedance-bridging input (BNC), requiring a composite/MPX sample or 19kHz sync signal from the stereo generator at a level between 0.5V and 5.0V p-p. *The 703 does not incorporate an internal timebase to support monaural transmission.*

RDS OUTPUT

An unbalanced 75-ohm source (BNC); the output level is adjustable between zero and 3V p-p.

PROGRAMMING PORT

A Universal Serial Bus (USB) interface for direct connection with the USB port of any PC; the interconnect cable is provided. Self-guiding programming software is provided on CD-ROM or may be downloaded from the Inovonics Website, and may be run on any PC with Windows XP® or higher OS.

POWER REQUIREMENTS

12VDC at 150mA. A plug-in or inline transformer matching the destination AC mains is supplied with the 703.

SIZE AND SHIPPING WEIGHT

Single **INO**mini Module; 1⅝"H x 5¼"W x 5½"D; 4 lbs.

Optional Rack Kit; 1¾"H x 19"W x 1½"D (1U); mounts up to three **INO**mini modules in a 1U space. Includes blanking panels for unused spaces.

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RoHS COMPLIANT

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