INOmini 633

FM/RDS Monitor/Receiver

The INOmini 633 is a sensitive and selective FM and FM/RDS receiver for professional applications. It receives standard analog FM broadcast transmissions and works as a 'confidence monitor' or as a rebroadcast receiver in FM translator service.

The 633 also decodes and displays data from RDS/RBDS data groups. The front panel USB port supplies a raw RadioData stream to be used with the supplied software and any PC for further monitoring, logging, qualification and analysis of the RDS/RBDS data groups.

In addition to essential alarms, the front-panel LCD display is host to numerous menus enabling easy setup and display of both signal quality and RDS information.

FEATURE HIGHLIGHTS

- Sensitive and selective DSP-based receiver

- Receives worldwide-standard FM radio broadcasts and optional associated RDS data

- Offers 'Extended-Band' coverage down to 76MHz

- Easy setup using the LCD screen and jog-wheel navigation of the receiver's menu tree

- Front-panel display of most-essential FM RDS information including RT+ 'tagging' data; USB port sends RDS data to any PC for analysis

- Analog L/R and AES-digital program line outputs

- Front-panel alarms with rear-panel 'tallies' for Carrier Loss, RDS Alarm, and Audio Program Loss

SPECIFICATIONS

Tuning Range:
76.0MHz - 108.1MHz in 100kHz steps

Antenna Input:
75-ohm 'F' connector

Receiver Sensitivity:
≤10µV for 50dB monaural FM SNR

Audio Frequency Response:
30Hz - 15kHz

FM De-Emphasis:
75µs/50µs selectable

RDS Fields Displayed:
AF, CT, DI, M/S, PI, PS, PTY, PTYN, RT, RT+, TA, TP; Groups Received

Program Audio Outputs:
+4dBu balanced Analog Left/Right (XLR), 200-ohm source impedance; AES Digital (XLR), 44.1kHz sampling rate; Front-Panel Headphone Jack (3.5mm TRS)

USB Port:
Raw RDS data for external analysis (software provided)

Alarm Tallies:
Individual open-collector NPN transistor outputs for Carrier Loss, RDS Alarm, and Audio Loss

Power Requirement:
12VDC at 140mA; a 'brick-type' (inline) switchmode power supply appropriate to the destination AC mains voltage is provided.

Mounting Options:
An optional rack adapter mounts one, two, or three INOmini format units in a standard 19-inch, 1U rack space.

Size and Weight:
1.6"H x 5.5"W x 5.5"D
4 lbs. shipping weight

(optional rack adapter)

Made in USA