

INOmini 639

FM/HD Radio® Monitor/Receiver
2nd Generation



This second-generation FM/HD Radio monitor receives both analog FM and digital HD1-HD8 channels for confidence monitoring or rebroadcast. Tuning and mode preferences are held in nonvolatile memory.

HD1 does not blend to analog FM, and all settings are restored following a power cycle. FM RDS and HD Radio PAD data may be displayed on the front panel and downloaded as log files for further analysis.

The INOmini 639 has variable analog and AES-digital audio outputs, plus alarms for Audio Loss, Digital Loss and Carrier Loss. The 1/3-rack form factor is ideal for stations that multicast, allowing up to three units to be daisy-chained together in the optional 1U rack-mount adapter.

639 MONITOR/RECEIVER



FEATURE HIGHLIGHTS

- Receives standard FM analog and FM/HD Radio broadcasts
- Stays on-mode and on-channel through signal and power loss; does not blend between FM and HD
- A bright LCD display shows essential signal parameters plus FM RDS, RT+ and HD Radio PAD data. RDS decoding is improved over previous models
- A USB port allows RDS and PAD data downloading for 'proof of play,' further analysis with provided software, and easy firmware upgrades in the field
- L/R analog and AES digital outputs have menu-driven level controls
- Alarms and tallies for Signal Loss, Digital Loss, Audio Loss with programmable thresholds, delays and logic polarities
- 'Split Mode' for audio-monitoring of diversity delay between HD1 and FM
- Displays RSSI, SNR, Multipath and HD Level metrics to aid antenna alignment

SPECIFICATIONS

Tuning Range:

87.7MHz - 107.9MHz in 100kHz steps

FM Stereo Modes:

Stereo / Stereo Auto-Blend / Forced-Mono

HD Radio Channels:

Selectable HD1 through HD8

Antenna Input:

75-ohm (F)

Receiver Sensitivity:

≤10uV for 50dB monaural S/N

Audio Response:

FM: ±1dB, 30Hz-15kHz; de-emphasis is menu selectable at 75µs or 50µs

HD Radio: ±0.25dB, 20Hz-20kHz

RDS Fields Displayed:

PI (and Call), C/T, PTY, PTYN, PS, RT, RT+1, RT+2

HD PAD Fields Displayed:

HD Name/Slogan, HD PTY, FCC ID, HD Artist, HD Title, HD Album, HD Genre, Primary Service Mode, Codec Mode, Transmit Gain, Transmit Blend Control

Analog Audio Output(s):

Balanced Analog L/R (XLR); level is menu-adjustable between -15dBu and +15dBu

Digital Audio Output:

AES3 (XLR), 44.1kHz sampling rate; audio level is menu-adjustable between -30dBFS and 0dBFS

Headphone Jack:

3.5mm (TRS) with menu-adjustable level

Alarm Tallies:

Individual open-collector NPN transistor outputs for Low Signal, Digital (HD) Loss, Audio Loss; menu-selectable logic polarity

Power Requirement:

+12VDC at 230mA (2.1mm x 5.5mm coaxial); inline switchmode power supply included

Mounting Options:

An optional rack adapter accepts up to three INOmini modules in a 1U rack space

Size and Weight:

1.6"H x 5.5"W x 5.5"D
4 lbs shipping weight



Made in USA



(optional rack adapter)



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