

INOmini 673

FM/RDS Monitor Receiver



The INOmini 673 is Inovonics' second-generation, small form-factor FM broadcast monitor for professional applications. A sensitive and selective off-air receiver for standard analog-FM broadcasts, it has application as a 'confidence monitor' or as a rebroadcast receiver in FM translator service. The 673 decodes and displays the most important data from RDS/RBDS data groups as well.

The INOmini 673 gives front-panel and remote alarm indications of program and RDS transmission errors. It can also deliver a high-quality audio feed for program distribution throughout the broadcast facility with adjustable analog and AES digital audio outputs.

(optional rack adapter)



INOVONICS
BROADCAST

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673 FM/RDS MONITOR RECEIVER



FEATURE HIGHLIGHTS

- This sensitive and selective DSP-based (SDR) receiver has extended band coverage down to 64MHz.
- Easy front-panel setup uses jog-wheel menu navigation with a large LCD display. Accurate, hi-res metering shows RF signal and audio levels; critical system menus are hidden.
- Front-panel display of most-essential RDS/RBDS information including RT+ 'tagging' data.
- Balanced analog and AES-digital program line outputs are available simultaneously; levels are independently adjustable.
- Front-panel red-flashing alarms and rear-panel 'tallies' indicate RDS Loss or PI Error, Low Signal and Audio Program Loss.
- All receiver setup parameters are held in non-volatile memory.
- When issued, free firmware updates are easily installed in the field.

SPECIFICATIONS

Tuning Range: 64MHz – 108MHz in 100kHz steps

Antenna Input: 75Ω (F)

Sensitivity/SNR:

10dBμV for 50dB monaural S/N; 35dBuV for 70dB monaural S/N

IF Bandwidth:

Auto (signal-adaptive) or manual selection of 110kHz, 84kHz, 60kHz, 40kHz

Audio Bandwidth:

15kHz or may be manually restricted in steps down to 2kHz

De-Emphasis: 75μs or 50μs selectable

Reception Modes:

Stereo, Auto-Blended Stereo (with front-panel stereo width display), Forced-Mono

RDS Fields Displayed:

AF, CT, DI, M/S, PI, PS, PTY, PTYN, RT, RT+, TA, TP, Groups Received; RDS or RBDS protocols are selectable

Program Audio Outputs:

Balanced Analog (XLR) Left and Right outputs are adjustable from –15dBu to +15dBu in 0.1dB steps.

AES Digital (XLR) output at 44.1kHz is adjustable from –30dBFS to 0dBFS in 0.1dB steps.

Headphone Jack (3.5mm TRS) has adjustable listening level.

Front-Panel Red-Flashing Alarms:

RDS: Alarm signals the loss of RDS data or an error between the received PI code and a user-programmable PI code entry.

Low Signal: Alarm and reset trigger levels are independently adjustable relative to the RF signal level display.

Audio Loss: Alarm threshold is adjustable between 0dB and –40dB, and the alarm delay interval is adjustable between OFF and 120 seconds.

Alarm "Tallies":

Individual open-collector NPN transistor outputs to ground are programmable for logic polarity.

USB Port:

The front-panel mini-USB port allows the quick uploading of firmware updates when issued.

Power Requirement:

12VDC at 290mA; a universal 90 – 240 VAC inline switching power supply is included with the INOmini 673 receiver.

Mounting Options:

An optional rack adapter accepts up to three INOmini modules in a 1U, 19-inch rack space. The 673 also may easily be fastened to any convenient surface with two small screws.

Size and Weight:

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



MADE IN USA



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