

INOmini 674

AM Monitor Receiver



The INOmini 674 is Inovonics' second-generation, small form-factor AM broadcast receiver for professional applications. It tunes both the western-hemisphere broadcast band with 10kHz channel spacing and the European-standard 9kHz-spaced band.

The INOmini 674 serves admirably as a 'confidence monitor' and gives front-panel and remote alarm indications of transmission problems. At the same time, it can 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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674 AM MONITOR RECEIVER



FEATURE HIGHLIGHTS

- The INOmini 674 is a sensitive, DSP-based (SDR) receiver for standard AM broadcasts.
- 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.
- 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 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:

520kHz – 1710kHz in 10kHz steps, or 531kHz – 1611kHz in 9kHz steps

Antenna Input:

Transformer-isolated 50Ω (F) input; a passive outdoor loop antenna is optionally available.

Sensitivity/SNR:

10μV for 50dB S/N; 1 mV for 60dB S/N

Audio Bandwidth:

Selectable: 6kHz, 4kHz, 3kHz, 2kHz (approx. –6dB point)

De-Emphasis:

0μs (flat) or NRSC 'truncated' 75μs

Program Audio Outputs:

Balanced Analog (XLR) Left and Right outputs are adjustable from –15dBu to +15dBu in 0.2dB steps.

AES Digital (XLR) output at 44.1kHz is adjustable from –30dBFS to 0dBFS in 0.2dB steps.

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

Front-Panel Red-Flashing Alarms:

Audio Loss: Alarm threshold is adjustable between 0dB and –30dB, and the alarm delay interval is adjustable between OFF and 120 seconds.

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

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 275mA; a universal 90 – 240 VAC inline switching power supply is included with the INOmini 674 receiver.

Mounting Options:

An optional rack adapter accepts up to three INOmini modules in a 1U, 19-inch rack space. The 674 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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