

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

5805 Hwy 9, Felton CA 95018
www.inovonicsbroadcast.com

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 0.1dB 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:

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

