

# INOmini 661

DAB/DAB+ Monitor Receiver



The INOmini 661 is Inovonics' second-generation, small form-factor off-air monitoring receiver for EBU-specified DAB and DAB+ digital radio broadcasts. It provides high-quality confidence monitoring and delivers a dual audio feed with independently-adjustable analog and AES digital audio outputs.

Important text metadata that accompanies the broadcast can be read in multiple menu levels on the front-panel display. The large, easy-to-read LCD screen also shows pertinent signal quality metrics and audio levels. Front-panel and remote alarms indicate transmission problems, and the compact size of the INOmini 661 allows the mounting of three units in a 1U rack space.

(optional rack adapter)



5805 Hwy 9, Felton CA 95018  
[www.inovonicsbroadcast.com](http://www.inovonicsbroadcast.com)

# 661 DAB/DAB+ MONITOR RECEIVER



## FEATURE HIGHLIGHTS

- The INOmini 661 is a sensitive, DSP-based (SDR) receiver for EBU Band III DAB and DAB+ digital radio broadcasts.
- Easy front-panel setup uses jog-wheel menu navigation.
- A large LCD display shows essential signal parameters, demodulated audio levels, alarm conditions and program related metadata. 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 DAB Loss, Low Signal and Audio 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:

DAB Band III, Mode 1 (174.928MHz – 239.200MHz); all EBU sanctioned frequency allocations (Blocks 5-12, A-D) plus Block 13 A-F

**Antenna Input:** 75Ω (BNC)

**Sensitivity:** 10dBμV for error-free reception

### Audio Codex:

MPEG-1, Audio Layer 2 (MP2); HE-AAC (AAC+)

**Audio Response:** ±0.25dB, 20Hz – 20kHz

### Signal Parameters Displayed:

FQ (FIC Quality), RF (RSSI), SNR, CNR

### Metadata Displayed:

Ensemble Label, Component List & ID, Service List & ID, Dynamic Label, PTY, Sample Rate, Bit Rate, Gain Mode, Service Mode, Protection Info, Current CU & Address, Country, Language, Time & Date

### 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:

**DAB Loss:** Fixed metrics determine loss of digital radio reception.

**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 335mA; a universal 90 – 240 VAC inline switching power supply is included with the INOmini 661 receiver.

### Mounting Options:

An optional rack adapter accepts up to three INOmini modules in a 1U, 19-inch rack space. The 661 also may easily be fastened to any convenient surface with two small screws.

### Size and Weight:

4.6cm H x 14cm W x 14cm D;  
1.8kg shipping weight



MADE IN USA



5805 Hwy 9, Felton CA 95018  
www.inovonicsbroadcast.com  
© Inovonics, Inc. March, 2019