

## DAG5161 “SurroundPro” Digital Audio Generator

A handheld multi-channel digital and analog audio generator that provides **Stereo 2.0**, **Dolby 5.1** and **DTS 6.1** surround, and **PCM digital audio** from industry standard outputs for testing audio systems and simplifying acoustic calibrations.

### DAG5161 “SurroundPro” Features:

- Surround sound Dolby 5.1 and DTS 6.1 digital audio generator with S/PDIF coaxial and optical (Toslink) outputs
- Digital 2-channel Audio PCM generator with selectable data word lengths and clock sample rates for testing consumer and professional digital audio equipment through S/PDIF coaxial & optical (Toslink), and AES/EBU balanced and unbalanced outputs.
- Analog 2.0 stereo output generator with independent frequency sine-wave, square-wave, frequency selection 1Hz to 30 kHz.
- Audio testing and room acoustic analyzing signals such as variable frequency test tones, pink noise at various bandwidths, and impulse waves.
- Simple, fast selection of audio test signals to each or all speakers in a 5.1 or 6.1 system with a turn and push of the selector knob.
- Teams with Sencore SoundPro Audio Analyzers via a serial cable for 8 automated A/V receiver/room acoustic calibration tests including: SPL, Speaker Phase, Speaker Polarity, LFE & Main Channel RTA Equalization, Reverb Decay Time, Early Reflections, Noise Criteria Testing.
- Word Clock Output – Timing reference to lock professional digital audio equipment to the generator’s internal digital clock.
- Standard 3.5mm Stereo Headphone Output Jack.
- Portable, battery operated for on-location audio testing and calibration ease.



**Call Today! 1-800-736-2673 or 1-605-339-0100**

## Applications:

In recent years there has been a staggering growth of digital audio systems, both professional and consumer, along with multi-channel surround sound systems. A digital multi-channel audio generator simplifies and speeds testing of these systems. The Sencore DAG5161 provides the common analog and digital test signals for multi-channel 2.0, 5.1, 6.1 audio system testing. Signals are output through standard S/PDIF coaxial & optical (Toslink), AES/EBU and analog interface connections.

## DAG5161 Outputs:



## DAG5161 'SurroundPro' Specifications

### Analog Stereo 2.0

Audio: Sine & Square 1Hz – 20 kHz  
Pink noise, White noise

Output: RCA phono L & R,  
3.5mm headphone

Output Level: Var. -60 to 10 dBu

### Digital Stereo 2.0:

Audio: Sine & Square 1Hz – 20 kHz  
Pink noise, white noise

Digital Words: Selectable 8 – 24 bit

Sample Rates: 32k, 44.1k, 48k,  
88.2k, 96k

Output Level: -140 to 0 dB FS

Output: S/PDIF Coaxial – BNC

(75 ohm, 1V nom.)

Optical – Toslink

AES/EBU – Balanced XLR,  
(110 ohm, 2V – 7V nom.)

AES/EBU Unbalanced – BNC  
(AES3id 75 ohm 1V nom.)

### Digital 5.1/6.1 Multi-Channel Audio

Format: Dolby 5.1 Encoded

Format: DTS 6.1 Encoded

Output: S/PDIF Coaxial, Optical

Surround Audio Signals:

(All or Individual Ch. Select)

20Hz – 20 kHz Pink 3 sec. on/off

500Hz – 2 kHz Pink 2.0 sec. Circulate Ch.

40Hz – 80Hz Pink (LFE Ch.)

20Hz – 20kHz Pink

20Hz – 80Hz Pink (LFE Ch.)

500Hz – 20k Pink

Sine-Wave 63.5, 125, 1k, 4k

Impulse 1 sec. repeated

Polarity Test Signal

**General:** Display: LCD 64 x 128 pixels

Power Adapter: 6VDC @ 800 mA

Battery: 6V rechargeable

Size: 10 3/8" X 6" X 3 3/4" (HWD)

Weight: Approx. 3.5 lbs

## DAG5161 Supplied Accessories:

Power Adapter/Charger

Serial Interface Cable

Dual RCA Phono Cable

BNC to BNC Cable

Optical (Toslink) Cable



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