GRAHAM-PATTEN
SoundPals

ADC-24

Analog to Digital Audio Converter

High quality. Versatility. That's what you expect from Graham-Patten. That's what you get with SoundPals™ ADC-24. The unit may be rack-mounted in the studio or battery operated in the field. The ADC-24 offers precision 24-bit signal processing, simultaneous XLR (AES3) and BNC (AES3id) outputs, with internal 44.1 or 48 kHz reference and external AES3id reference (30kHz to 50kHz) with LED indicator. Includes internal dipswitch for setting the most significant status bit functions, and internal jumper to set High Pass filter to remove D.C. offset. Independent input level adjustments provided with LED level indicators. The SoundPals™ ADC-24 is the price-performance leader.

ADC-24 Models		
Internal Reference	44.1 kHz	48 kHz
Product #	ADC-24/44	ADC-24/48

Features:

- **24-bit precision**
- **44.1 or 48kHz internal reference**
- **AES BNC reference input between 30kHz and 50kHz**
- **Selectable Status Bits**
- **Switchable High Pass Filter**
- **LED level indicators for normal and overload conditions**
- **Always active balanced and unbalanced digital outputs**
- **Adjustable input range (-10 to +6dBu at -20dBFS)**
- **Compact size: 5.2"W x 1.62"H x 6.625"D (15.2 x 4.1 x 16.8 cm) less connectors**

NAB-97 Pick Hit Awards
Awarded to
Graham-Patten SoundPals
for
Outstanding Technical Achievement

Now! 7 Year Warranty on SoundPals

119 East McKnight Way, Unit A, Grass Valley, California 95949
Phone: 530-477-2984 Toll Free: 888-622-4747 Fax: 530-477-2986
E-mail: info@isis-group.com Website: www.gpsys.com

GRAHAM-PATTEN
The sound choice.

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TECHNICAL DATA

Input impedance	> 15 kΩ
Gain range	-10dBu to +6dBu for -20dBFS output
Frequency response	+0/-0.1dB, 20Hz-20kHz
THD + N @ -20dBFS THD + N @ -1dBFS	-91 dB, 20Hz-20kHz 84 dB, 20Hz-20kHz
Dynamic Range:	96 dB
Crosstalk	<-84dB, 20Hz- 20kHz
CMRR	>60 dB, 20 Hz- 10kHz
Digital output resolution	24 Bit
Sample rate	30kHz to 50kHz
Power:	300mA @ 6Vdc

OPTIONS

RT-2	1RU rack tray for mounting up to 3 units with power supply
PSU-1	90-260V 50/60Hz power supply with detachable IEC power cord

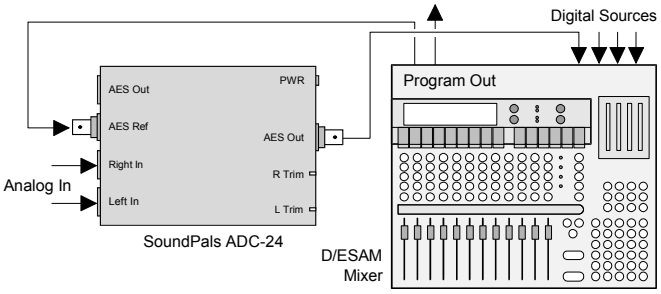
INPUTS & OUTPUTS

One digital AES on XLR, and one DATS on BNC connectors.
Two line-level on XLR connectors.

Your local Graham-Patten Distributor:

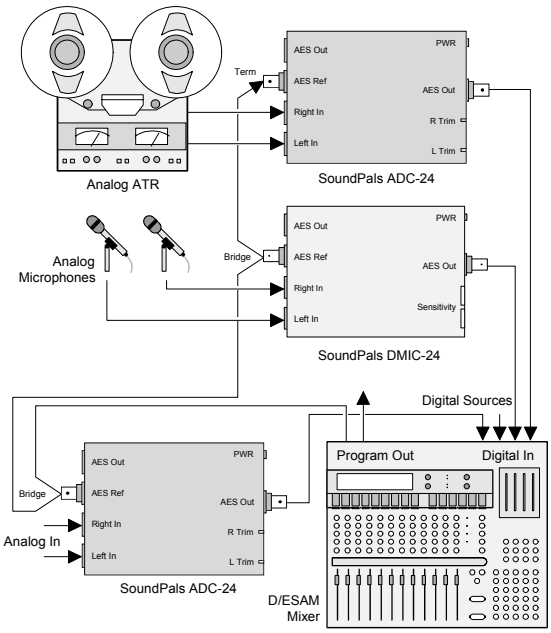
APPLICATION DIAGRAMS

There are many uses for SoundPals in music recording, radio or television broadcasting, DVD/CD/CR-ROM mastering, and video production and post-production.



ADC-24 USED INDEPENDENTLY

In this application, the ADC-24 converts analog audio from an ATR or any other analog audio device into AES audio. This is input to the D/ESAM mixing console. Note how one of the mixer's digital outputs is used to synchronize the ADC-24 via the AES REF BNC connector. While the illustration shows unbalanced AES output from the BNC connector, either or both of the two outputs, one balanced, the other unbalanced, can be used.



ADC-24 USED IN COMBINATION WITH OTHER SOUNDPALS

In this application, ADC-24 and DMIC-24 SoundPals are combined to provide multiple analog inputs to the D/ESAM mixer. An analog ATR feeds one ADC-24. Dual mics are converted to digital AES by DMIC-24. Another analog signal from any device feeds another ADC-24. One of the D/ESAM's outputs is used to synchronize all of the SoundPals via bridging AES connections. The topmost ADC-24 terminates this sequence.

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