

**DA-14  
4-Output AES/EBU  
Distribution Amplifier**



The DA-14 is a four-output distribution amplifier designed specifically for AES/EBU digital audio signals. The unit accepts either XLR (AES3) or BNC (AES3id) inputs up to full 24-bit resolution. Models are available with either XLR or BNC output connectors. Use the DA-14 in any application where a single digital audio source must be distributed to multiple destinations. In the studio or in the field, the DA-14 is an affordable solution to your digital audio distribution needs.

DA-14 MODELS	
XLR Outputs	BNC Outputs
DA-14/A	DA-14/B

**Features:**

- One AES3/EBU input on both XLR (AES3) and BNC (AES3id) connectors
- Compatible with any sample rate from 30 to 50 kHz
- Four AES3/EBU outputs on either XLR (AES3) or BNC (AES3id) connectors
- Input sensitivity of 200 mV for compatibility with S/PDIF signals
- Built-in regenerator passes all data, including channel status and user bits
- LED indicator for data error conditions
- 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



### TECHNICAL DATA

Input impedance	Bridging or terminating 110 Ω XLR, 75 Ω BNC
Output impedance	110 Ω (AES3 model), 75 Ω (AES3id model)
Input/Output Resolution	24 Bits
Sample frequency	30 to 50kHz
Jitter attenuation	>5dB @ 100kHz, >70dB @ 6MHz
Power	200mA @ 6Vdc

### OPTIONS

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



**INPUTS:**

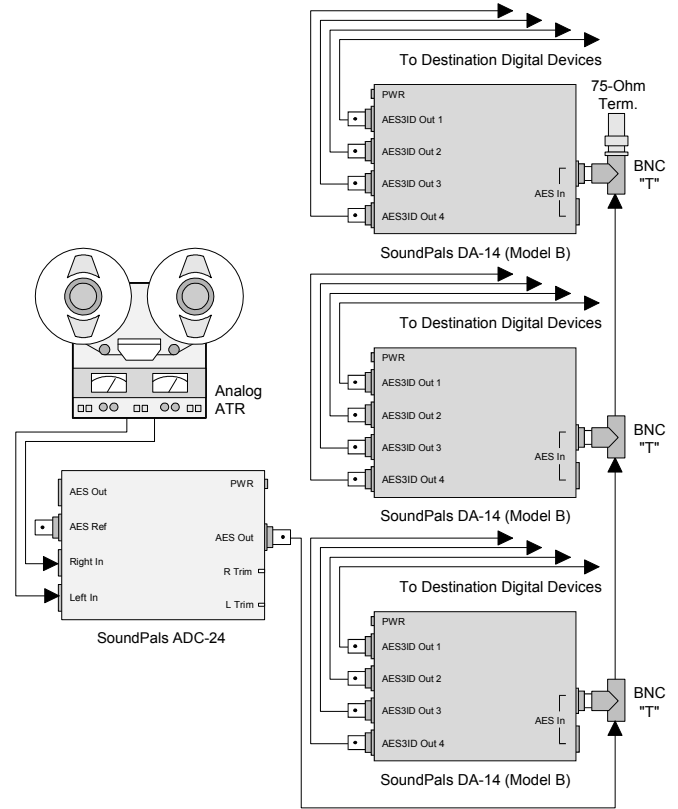
One AES3-1992 on XLR, and one AES3id on BNC

**OUTPUTS:**

Four AES3-1992 on XLR (DA-14A) or  
Four AES3id on BNC (DA-14B)

### 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.



In the application illustrated here, three DA-14 modules are used in conjunction with a SoundPals ADC-24 analog-to-digital converter to provide twelve identical AES/EBU outputs from an analog audio tape recorder. The input termination jumpers on the DA-14 modules have been removed, and the last module in the chain is terminated externally with a 75Ω termination.

Your local Graham-Patten Distributor: