



Data Sheet

SoundPal DA-14 Four Output AES Distribution Amplifier



The power supply is sold separately

Key Features

- One AES3/EBU input on both XLR (AES3) and BNC (AES3id) connectors
- Compatible with any sample rate from 30 to 50kHz
- Four AES3/EBU outputs on either XLR (AES3) or BNC (AES3id) connectors
- Input sensitivity of 200mV 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

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 |

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| Technical Data | |
|-------------------------|--|
| Input impedance | Bridging or terminating 110Ω XLR, 75Ω BNC |
| Output impedance | 110Ω (AES3 model), 75Ω (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

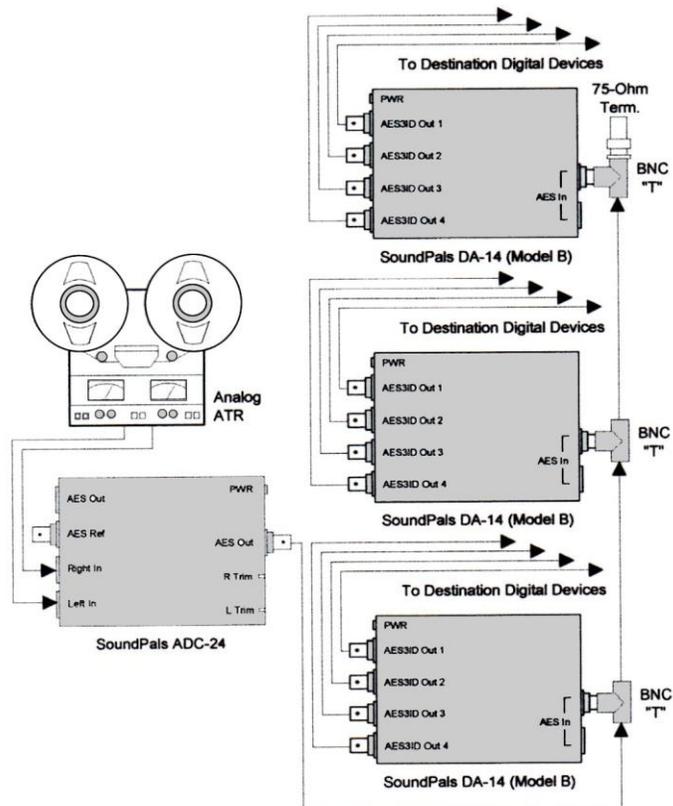
OUTPUTS:

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

Your RJM & Associates 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.



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.