

AES3-1992 (r1997)
Revision of AES3-1985
Amendment 1-1997
Amendment 2-1998
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AES Recommended practice for digital audio engineering — Serial transmission format for two- channel linearly represented digital audio data

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Abstract

The format provides for the serial digital transmission of two channels of periodically sampled and uniformly quantized audio signals on a single shielded twisted wire pair. The transmission rate is such that samples of audio data, one from each channel, are transmitted in time division multiplex in one sample period. Provision is made for the transmission of both user and interface related data as well as of timing related data, which may be used for editing and other purposes. It is expected that the format will be used to convey audio data that have been sampled at any of the sampling frequencies recognized by the AES, *Recommended Practice for Professional Digital Audio Applications Employing Pulse-Code Modulation — Preferred Sampling Frequencies*.

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Aes Recommended Practice For Digital Audio Engineering

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aspects of sound engineering Including electrical and acoustic testing measurement systems levels methods protecting the ear units of measurement and standards this guide comes with and multiple tables to ensure quick easy access to information and illustrate points this is a must have reference for all audio engineers *Network Technology for Digital Audio* Andy Bailey,2013-07-18 *Network Technology for Digital Audio* examines the transfer of audio and other related data over digital communication networks Encompassing both the data communication and audio industries it unravels the intricacies of computer networking technique and theory viewed from an audio perspective Looking at commercial and ratified standards both current and developing this book covers digital architectural solutions such as IEEE 1394 Firewire USB Fibre Channel and ATM alongside their counterparts within the audio industry S P DIF ADAT AES EBU and MADI are discussed from the audio industry standpoint and solutions contrasted Explanations of packet switching and internetworking are also included Studying new developments and trends it covers the pros and cons and looks at the work being done to deliver the requirements of the digital audio environment Proprietary and open systems developed within the audio industry are examined with each case being supported with appropriate history and clear technical explanation The book helps readers build a better understanding of the issues surrounding the transfer of real time audio digital data Touching on the history of the Internet and the technologies it spawned it explains the theory and possibilities for the same technologies to support inter device communications within a studio environment *Network Technology For Digital Audio* will provide on tap knowledge for students and lecturers on audio related and music technology courses and will prepare the working professionals within the industry for progress and changes to come *Network Technology for Digital Audio* is part of the Focal Press Music Technology Series *Digital Interface Handbook* John Watkinson,Francis Rumsey,2013-07-18 A digital interface is the technology that allows interconnectivity between multiple pieces of equipment In other words hardware devices can communicate with each other and accept audio and video material in a variety of forms The *Digital Interface Handbook* is a thoroughly detailed manual for those who need to get to grips with digital audio and video systems Francis Rumsey and John Watkinson bring together their combined experience to shed light on the differences between audio interfaces and show how to make devices talk to each in the digital domain despite their subtle differences They also include detailed coverage of all the regularly used digital video interfaces New information included in this third edition dedicated audio interfaces audio over computer network interfaces and revised material on practical audio interfacing and synchronisation *Broadcast Engineer's Reference Book* EPJ Tozer,2012-11-12 The current and definitive reference broadcast engineers need Compiled by leading international experts this authoritative reference work covers every aspect of broadcast technology from camera to transmitter encompassing subjects from analogue techniques to the latest digital compression and interactive technologies in a single source Written with a minimum of maths the book provides detailed coverage and quick access to key technologies standards and practices This global work will become your number one

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