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AES standard for single programme connectors - Connectors for loudspeaker-level patch panels

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**AES standard
for single programme connectors —
Connectors for loudspeaker-level
patch panels**

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Abstract

This standard complements IEC 60268-12 including amendments 1 and 2, extending the standardization of the application of AES45-series connectors to their use for loudspeaker-level patch panels.

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Foreword

[This foreword is not a part of *AES standard for single programme connectors — Connectors for loudspeaker-level patch panels*, AES45-2001.]

This document was prepared by a writing group of the SC-05-02 Working Group on Single-Programme Connections of the SC-05 Subcommittee on Interconnections in fulfillment of project AES-X41, Amplifier-Loudspeaker Patch Panels. The project was initiated in 1997.

Ray Rayburn, chair
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SC-05-02
2001-01-08

Corrigendum 2003-10-01

Editorial update to improve monochrome rendition of some drawings.

AES standard for single programme connectors — Connectors for loudspeaker-level patch panels

1 Scope

This AES standard complements IEC 60268-12 including amendments 1 and 2, extending the standardization of application of AES45-series connectors to their use for loudspeaker-level patch panels.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this document. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this document are encouraged to investigate the possibility of applying the most recent editions of the indicated standards.

AES26-1995 *AES recommended practice for professional audio — Conservation of the polarity of audio signals.*

IEC 60268-12 (1987-03) *Sound system equipment: Application of connectors for broadcast and similar use.* Geneva CH: International Electrotechnical Commission.

IEC 60268-12-am1 (1991-05) Amendment No 1. Geneva CH: International Electrotechnical Commission.

IEC 60268-12-am2 (1994-11) Amendment No 2. Geneva CH: International Electrotechnical Commission.

3 Definitions

3.1

loudspeaker-level patch panel

panel having arrays of connectors for amplifier output connections and loudspeaker distribution line or input connections, together with a set of local cross-connecting cables with free connectors, thus allowing, in principle, any amplifier to be connected to any loudspeaker or distribution line

3.2

AES45-series connector

connector designed specifically for amplifier output and loudspeakers, as described in clause 10 of IEC 60268-12

3.3

bi-amplified system

arrangement of loudspeakers and amplifiers whereby two amplifiers each drive separate elements of a loudspeaker system