AES standard for interconnections -
Connector for surround microphones

Users of this standard are encouraged to determine if they are using the latest
printing incorporating all current amendments and editorial corrections. Information
on the latest status, edition, and printing of a standard can be found at:
http://www.aes.org/standards

AUDIO ENGINEERING SOCIETY, INC.
551 Fifth Ave., Suite 1225, New York, New York 10176, US.
The AES Standards Committee is the organization responsible for the standards program of the Audio Engineering Society. It publishes technical standards, information documents and technical reports. Working groups and task groups with a fully international membership are engaged in writing standards covering fields that include topics of specific relevance to professional audio. Membership of any AES standards working group is open to all individuals who are materially and directly affected by the documents that may be issued under the scope of that working group.

Complete information, including working group scopes and project status is available at http://www.aes.org/standards. Enquiries may be addressed to standards@aes.org.

The AES Standards Committee is supported in part by those listed below who, as Standards Sustainers, make significant financial contribution to its operation.

--

This list is current as of 2018/6/11.
AES standard for interconnections -
Connector for surround microphones

Published by
Audio Engineering Society, Inc.
Copyright © 2012, 2018 by the Audio Engineering Society

Abstract
An increasing number of surround sound microphones are becoming available, however, there has been no
common standard for the connectors between microphone and recording device. It is expected that a standard
connection will create a basis for smaller and lighter recording devices.

This standard specifies a connector type and contact assignment for microphones having up to six balanced
analog output channels, as used in surround sound applications. It includes specifications for marking and
identification for the audio channels. It includes recommendations for cable type and detailed wiring. It is
expected that other applications will also use this connection.

An AES standard implies a consensus of those directly and materially affected by its scope and provisions and
is intended as a guide to aid the manufacturer, the consumer, and the general public. The existence of an AES
standard does not in any respect preclude anyone, whether or not he or she has approved the document, from
manufacturing, marketing, purchasing, or using products, processes, or procedures not in agreement with the
standard. Prior to approval, all parties were provided opportunities to comment or object to any provision.
Attention is drawn to the possibility that some of the elements of this AES standard or information document
may be the subject of patent rights. AES shall not be held responsible for identifying any or all such patents.
Approval does not assume any liability to any patent owner, nor does it assume any obligation whatever to
parties adopting the standards document. Recipients of this document are invited to submit, with their
comments, notification of any relevant patent rights of which they are aware and to provide supporting
documentation. This document is subject to periodic review and users are cautioned to obtain the latest edition.
Contents

Introduction ........................................................................................................................................... 5
1 Scope .................................................................................................................................................. 5
2 Normative references ........................................................................................................................ 5
3 Definitions and abbreviations .......................................................................................................... 6
4 Normative clauses ............................................................................................................................. 7
  4.1 Connector ...................................................................................................................................... 7
  4.2 Contact assignments .................................................................................................................... 7
  4.3 Connector gender ......................................................................................................................... 8
  4.4 Cable ............................................................................................................................................. 8
5 Usage .................................................................................................................................................. 8
Annex A Bibliography .......................................................................................................................... 9
Foreword

This foreword is not part of the AES65-2012 AES standard for interconnections - Connector for surround microphones.

This project was proposed by Eddy Bogh Brixen and David Josephson and initiated as project AES-X189 on 2010-05-20 and initially assigned to working group SC-04-04 on Microphone Measurement and Characterization. After the functional requirements had been clarified, this connector standard was subsequently developed by working group SC-05-02 on Audio Connectors.

The members of the writing group that developed this document in draft included: E.B. Brixen, D. Josephson, M. Natter, R. Rayburn, H. Wittek, J.M. Woodgate, and C. Woolf.

Ray Rayburn  
Chair, SC-05-02 Working Group on Audio Connectors  
2012-12-18

Note on normative language

In AES standards documents, sentences containing the word “shall” are requirements for compliance with the document. Sentences containing the verb “should” are strong suggestions (recommendations). Sentences giving permission use the verb “may”. Sentences expressing a possibility use the verb “can”.

2013-02-11 printing