

STANDARDS AND INFORMATION DOCUMENTS

AES-21id-2011
r.2017



AES Information Document for audio-file transfer and exchange - Screen-less navigation for high-resolution audio on Blu-ray Disc

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 Avenue, New York, NY 10176, US. www.aes.org/standards



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.



THE TELOS ALLIANCE®



audio-technica



CLAIR



WEISS



METRIC HALD



This list is current as of 2017/7/25

AES Information Document for audio-file transfer and exchange - Screen-less navigation for high-resolution audio on Blu-ray DiscTM

Published by

Audio Engineering Society, Inc.

Copyright ©2011 by the Audio Engineering Society

Abstract

High-resolution audio, presented as uncompressed LPCM, has been waiting for a suitable transport format for some time. The Blu-ray Disc (BD) format offers such a transport and supports the necessary linear and lossless codecs as part of its basic specification. While many BD players can be found in home theatre and games environments, there are some issues that need to be addressed before they can be introduced into a hi-fi environment that does not have a screen to present visual menus for audio stream setup and track selection. This recommended method specifies a structure for authoring a BD ROM to enable playback in screen-less consumer systems, and to provide simple track selection from the remote control.

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. An AES information document is a form of standard containing a summary of scientific and technical information; originated by a technically competent writing group; important to the preparation and justification of an AES standard or to the understanding and application of such information to a specific technical subject. An AES information document implies the same consensus as an AES standard. However, dissenting comments may be published with the document. The existence of an AES standard or AES information document 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 conforming to the standard. This document is subject to periodic review and users are cautioned to obtain the latest edition.

Audio Engineering Society Inc. 551 Fifth Avenue, New York, NY 10176, US.

www.aes.org/standards standards@aes.org



2017-05-01 printing

AVA Documents
Document Sharing Hub

Contents

Abstract.....	1
0 Introduction.....	4
0.1 Background.....	4
0.2 Obstacle to progress.....	4
0.3 Proposed solution	4
0.4 Patent statement.....	5
1 Scope.....	5
2 Normative references	5
3 Terms and abbreviations.....	5
4 Visual and other non-audio content	6
4.1 General	6
5 Stream selection	6
5.1 General	6
5.2 Remote buttons.....	6
5.3 Stream options.....	6
6 Track numbers.....	7
7 Pause on load	7
Annex A - Java.....	8
A.1 Program optimisation.....	8
Annex B - On-screen audio displays.....	9
B.1 General.....	9
B.2 Menu.....	9
B.3 Tracklist selector.....	9
B.4 Stream selector	9
B.5 Additional graphics	9
Annex C - Sample material	10
Annex D - Bibliography.....	11

