

Digital audio interface Part 3: Consumer applications

Digital audio interface Part 3: Consumer applications

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60958-3:2006 sisaldab Euroopa standardi EN 60958-3:2006 ingliskeelset teksti. Käesolev dokument on jõustatud 27.11.2006 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 60958-3:2006 consists of the English text of the European standard EN 60958-3:2006. This document is endorsed on 27.11.2006 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.
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Käsitlusala: This part of IEC 60958 specifies the consumer application of the interface for the interconnection of digital audio equipment defined in IEC 60958-1.	Scope: This part of IEC 60958 specifies the consumer application of the interface for the interconnection of digital audio equipment defined in IEC 60958-1.
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Võtmesõnad:

English version

Digital audio interface
Part 3: Consumer applications
(IEC 60958-3:2006)

Interface audionumérique
Partie 3: Applications grand public
(CEI 60958-3:2006)

Digitalton-Schnittstelle
Teil 3: Allgemeingebrauch
(IEC 60958-3:2006)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 60958-3:2006, prepared by IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the formal vote and was approved by CENELEC as EN 60958-3 on 2006-10-01 without any modification.

This European Standard supersedes EN 60958-3:2003.

It includes the following significant technical changes :

- Electrical and optical requirements are removed from EN 60958-3; they will be specified in the next edition of EN 60958-1.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-10-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-10-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60958-3:2006 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60958-4	NOTE	Harmonized as EN 60958-4:2003 (not modified).
IEC 61883-6	NOTE	Harmonized as EN 61883-6:2005 (not modified).
IEC 61937	NOTE	Harmonized in EN 61937 series (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60841	1988	Audio recording - PCM encoder/decoder system	HD 544 S1	1989
IEC 60908	1999	Audio recording - Compact disc digital audio system	EN 60908	1999
IEC 60958-1	2004	Digital audio interface Part 1: General	EN 60958-1	2004
IEC 61119-1	1992	Digital audio tape cassette system (DAT) Part 1: Dimensions and characteristics	EN 61119-1	1994
IEC 61119-6	1992	Digital audio tape cassette system (DAT) Part 6: Serial copy management system	EN 61119-6	1994
IEEE 1394	2004	IEEE standard for high-performance serial bus bridges	-	-

INTERNATIONAL STANDARD

IEC
60958-3

Third edition
2006-05

Digital audio interface –

**Part 3:
Consumer applications**



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Publication numbering

As from 1 January 1997 all IEC publications are issued with a designation in the 60000 series. For example, IEC 34-1 is now referred to as IEC 60034-1.

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INTERNATIONAL STANDARD

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Digital audio interface –

Part 3:
Consumer applications

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DIGITAL AUDIO INTERFACE –**Part 3: Consumer applications****FOREWORD**

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International Standard IEC 60958-3 has been prepared by IEC technical committee 100: Audio, video and multimedia systems and equipment.

This third edition of IEC 60958-3 cancels and replaces the second edition published in 2003 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- Electrical and optical requirements are removed from IEC 60958-3; they should be specified in IEC 60958-1. The third edition of IEC 60958-1 will include these.

The text of this standard is based on the following documents:

CDV	Report on voting
100/1009/CDV	100/1070/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The list of all the parts of the IEC 60958 series, under the general title *Digital audio interface*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

DIGITAL AUDIO INTERFACE –

Part 3: Consumer applications

1 Scope

This part of IEC 60958 specifies the consumer application of the interface for the inter-connection of digital audio equipment defined in IEC 60958-1.

NOTE When used in a consumer digital processing environment, the interface is primarily intended to carry stereophonic programmes, with a resolution of up to 20 bits per sample, an extension to 24 bits per sample being possible.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60841:1988, *Audio recording – PCM encoder/decoder system*

IEC 60908:1999, *Audio recording – Compact disc digital audio system*

IEC 60958-1:2004, *Digital audio interface – Part 1: General*

IEC 61119-1:1992, *Digital audio tape cassette system (DAT) – Part 1: Dimensions and characteristics*

IEC 61119-6:1992, *Digital audio tape cassette system (DAT) – Part 6: Serial copy management system*

IEEE 1394:2004, *IEEE standard for high-performance serial bus bridges*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60958-1 apply.

4 Interface format

The interface format as defined in IEC 60958-1 shall be used.

Unless otherwise specified in the annexes, the following specification is applicable.

- Audio sample word has a length of 20 bits/sample. The auxiliary sample bits are an optional expansion of the audio sample, if not used = “0”.
- User data is not used, all bits = “0”.
- Channel status is identical for both subframes of the interface, with the exception of the channel number, if that is not equal to zero.