

INTERNATIONAL STANDARD

IEC 60958-1

Second edition
2004-03

Digital audio interface –

Part 1: General

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIGITAL AUDIO INTERFACE –

Part 1: General

FOREWORD

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IEC 60958-1, edition 2 has been prepared by Technical Area 4, Digital system interfaces, of IEC technical committee 100: Audio, video and multimedia systems and equipment.

This second edition of IEC 60958-1 cancels and replaces the first edition published in 1999 and constitutes a technical revision.

All changes introduced in this second edition of IEC 60958-1 intend to clarify the structure and the relationship between all of IEC 60958 series families.

A brief list of changes include:

- Annex B has been added to explain the definition given in 5.3 with relation of the families of the IEC 60958 series. Clause 5.3 is also added to this description.
- Annex C has been added to explain the relationship of the IEC 60958 series families.
- Annex D has been added as an explanation for a data transmission other than linear PCM.
- Subclause 5.4 has been added to define category code appliance.
- A Bibliography has been added.

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

CDV	Report on voting
100/552/CDV	100/755/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.

IEC 60958 consists of the following parts under the general title *Digital audio interface*:

Part 1: General

Part 3: Consumer applications

Part 4: Professional applications

The committee has decided that the contents of this publication will remain unchanged until 2006. At this date, the publication will be

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- withdrawn;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

A bilingual version of this standard may be issued at a later date.

DIGITAL AUDIO INTERFACE –

Part 1: General

1 Scope

This part of IEC 60958 describes a serial, uni-directional, self-clocking interface for the interconnection of digital audio equipment for consumer and professional applications.

It specifies the basic structure of the interface. Separate documents define items specific to particular applications.

The interface is primarily intended to carry monophonic or stereophonic programmes, encoded using linear PCM and with a resolution of up to 24 bits per sample.

When used for other purposes, the interface is able to carry audio data coded other than as linear PCM coded audio samples. Provision is also made to allow the interface to carry data related to computer software or signals coded using non-linear PCM. The format specification for these applications is not part of this standard.

The interface is intended for operation at audio sampling frequencies of 32 kHz and above. Auxiliary information is transmitted along with the programme.

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 60958-3, *Digital audio Interface – Part 3: Consumer applications*

IEC 60958-4, *Digital audio Interface – Part 4: Professional applications*