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Standards

Irish Standard  
I.S. EN IEC 60958-5:2021

# Digital audio interface - Part 5: Consumer application enhancement

**I.S. EN IEC 60958-5:2021**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

Sales:  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

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I.S. EN IEC 60958-5:2021 is the adopted Irish version of the European Document EN IEC 60958-5:2021, Digital audio interface - Part 5: Consumer application enhancement

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**EN IEC 60958-5**

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2021

ICS 33.160.01; 33.160.30

English Version

**Digital audio interface - Part 5: Consumer application  
enhancement  
(IEC 60958-5:2021)**

Interface audionumérique - Partie 5: Amélioration de  
l'application grand public  
(IEC 60958-5:2021)

Digitalton-Schnittstelle - Teil 5: Verbesserungen für den  
Allgemeingebrauch  
(IEC 60958-5:2021)

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## **EN IEC 60958-5:2021 (E)**

### **European foreword**

The text of document 100/3449/CDV, future edition 1 of IEC 60958-5, prepared by IEC/TC 100 "Audio, video and multimedia systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60958-5:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-12-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-03-10

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

ISO 9241-910:2011	NOTE	Harmonized as EN ISO 9241-910:2011 (not modified)
IEC 61883-6:2014	NOTE	Harmonized as EN 61883-6:2014 (not modified)
IEC 62574:2011	NOTE	Harmonized as EN 62574:2011 (not modified)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cenelec.eu](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60958-1	— <sup>1</sup>	Digital audio interface - Part 1: General (TA 20)	EN IEC 60958-1	— <sup>2</sup>
IEC 60958-3	— <sup>3</sup>	Digital audio interface - Part 3: Consumer applications (TA 20)	EN IEC 60958-3	— <sup>4</sup>
IEC 62574	2020	Audio, video and multimedia systems - General channel assignment of multichannel audio	-	-
ISO/IEC 23001-8	2016 <sup>5</sup>	Information technology - MPEG systems technologies - Part 8: Codingindependent code points	-	-
ITU-R BS.2094-1	2017	Common definitions for the audio definition model	-	-
ITU-R BS.2051-2	2018	Advanced sound system for programme production	-	-

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<sup>1</sup> Under preparation. Stage at the time of publication: IEC CCDV 60958-1:2021.

<sup>2</sup> Under preparation. Stage at the time of publication: prEN IEC 60958-1:2021.

<sup>3</sup> Under preparation. Stage at the time of publication: IEC CCDV 60958-3:2021.

<sup>4</sup> Under preparation. Stage at the time of publication: prEN IEC 60958-3:2021.

<sup>5</sup> This publication was withdrawn and replaced with ISO/IEC 23091-3:2018, ISO/IEC 23091-1:2018 and ISO/IEC 23091-2:2019.

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**IEC 60958-5**

Edition 1.0 2021-02

# **INTERNATIONAL STANDARD**

# **NORME INTERNATIONALE**

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**Digital audio interface –  
Part 5: Consumer application enhancement**

**Interface audionumérique –  
Partie 5: Amélioration de l'application grand public**



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IEC Central Office  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
[www.iec.ch](http://www.iec.ch)

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**IEC 60958-5**

Edition 1.0 2021-02

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Digital audio interface –  
Part 5: Consumer application enhancement**

**Interface audionumérique –  
Partie 5: Amélioration de l'application grand public**

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ELECTROTECHNICAL  
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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	7
4 Interface format .....	9
5 Operation modes .....	9
5.1 General.....	9
5.2 Multichannel linear PCM operation mode .....	9
5.3 One-bit audio operation mode .....	10
5.4 High-precision multi-bit linear audio operation mode .....	11
6 Channel status .....	12
6.1 General.....	12
6.2 Application .....	12
6.2.1 Channel status general format.....	12
6.2.2 Mode 0 channel status format for digital audio equipment for enhanced consumer use .....	13
7 Stream change .....	16
Annex A (informative) Audio and vibrotactile applications .....	17
A.1 General.....	17
A.2 Channel assignments of vibrotactile signals .....	17
Annex B (informative) Audio and MIDI application.....	19
B.1 General.....	19
B.2 Audio and MIDI 2.0 application .....	19
Bibliography.....	20
Figure 1 – Example: multichannel group and subgroups .....	10
Figure 2 – One-bit audio subframe.....	11
Figure 3 – 32/64-bit mode subframe.....	11
Figure 4 – 32-bit mode frame .....	11
Figure 5 – 64-bit mode frame .....	12
Figure 6 – Switching from one linear PCM audio mode to the other linear PCM audio mode .....	16
Figure B.1 – Subframe format .....	19
Table 1 – Example: multichannel group and subgroups.....	10
Table 2 – Mode 0 channel status format for enhanced consumer use.....	13
Table 3 – Multichannel configuration.....	15
Table A.1 – Vibrotactile channel assignments .....	17
Table B.1 – Audio and MIDI 2.0 order .....	19

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## DIGITAL AUDIO INTERFACE –

## Part 5: Consumer application enhancement

## FOREWORD

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The text of this International Standard is based on the following documents:

Draft	Report on voting
100/3449/CDV	100/3517/RVC

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

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

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

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

## INTRODUCTION

IEC 60958-3 edition 1.0 was released in 1999 specifying the consumer applications of the interface for the inter-connection of digital audio equipment defined in IEC 60958-1. The applications have enhanced their quality including multichannel modes, high-precision bit length, and multi-stream modes. These enhancements imply a new part in the IEC 60958 series, appropriately keeping backward compatibility with IEC 60958-3 and providing a new enhanced digital audio interface.

## DIGITAL AUDIO INTERFACE –

### Part 5: Consumer application enhancement

#### 1 Scope

This part of IEC 60958 enhances the consumer application of the interface for the interconnection of digital audio equipment defined in IEC 60958-1 and IEC 60958-3, introducing:

- multichannel;
- multi-stream;
- high-resolution;
- multimedia extension;
- related applications.

NOTE IEC 60958-3 specifies a consumer application to carry stereophonic programmes with a resolution of up to 24 bits per sample. This part of IEC 60958 enhances the application, allowing programmes with up to 64 channels, 64 bits per sample, and two simultaneous streams.

#### 2 Normative references

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IEC 60958-1:20—<sup>1</sup>, *Digital audio interface – Part 1: General*

IEC 60958-3:20—<sup>2</sup>, *Digital audio interface – Part 3: Consumer applications*

IEC 62574:2020, *Audio, video and multimedia systems – General channel assignment of multichannel audio*

ISO/IEC 23001-8:2016, *Information technology – MPEG systems technologies – Part 8: Coding-independent code points*<sup>3</sup>

ITU-R BS.2094-1:2017, *Common definitions for the audio definition model*

ITU-R BS.2051-2:2018, *Advanced sound system for programme production*

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<sup>2</sup> Under preparation. Stage at the time of publication: IEC CCDV 60958-3:2021.

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