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Standards

Irish Standard  
I.S. EN IEC 62680-1-8:2019

# Universal serial bus interfaces for data and power - Part 1-8: Common components - USB Audio 3.0 device class definition terminal types

**I.S. EN IEC 62680-1-8:2019**

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*This document is based on:*

EN IEC 62680-1-8:2019

*Published:*

2019-11-15

*This document was published under the authority of the NSAI and comes into effect on:*

2019-12-05

ICS number:

NOTE: If blank see CEN/CENELEC cover page

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## National Foreword

I.S. EN IEC 62680-1-8:2019 is the adopted Irish version of the European Document EN IEC 62680-1-8:2019, Universal serial bus interfaces for data and power - Part 1-8: Common components - USB Audio 3.0 device class definition terminal types

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EUROPEAN STANDARD

**EN IEC 62680-1-8**

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2019

ICS 33.120.20; 33.120.30; 35.200

English Version

**Universal serial bus interfaces for data and power - Part 1-8:  
Common components - USB Audio 3.0 device class definition  
terminal types  
(IEC 62680-1-8:2019)**

Interfaces de bus universel en série pour les données et  
l'alimentation électrique - Partie 1-8: Composants communs  
- Définition de classes de dispositifs USB Audio 3.0 pour  
types de terminaux  
(IEC 62680-1-8:2019)

Schnittstellen des Universellen Seriellen Busses für Daten  
und Energie - Teil 1-8: Gemeinsame Komponenten - USB  
Audio 3.0 Geräteklassendefinition Anschlussarten  
(IEC 62680-1-8:2019)

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**EN IEC 62680-1-8:2019 (E)**

**European foreword**

The text of document 100/3160/CDV, future edition 1 of IEC 62680-1-8, 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 62680-1-8:2019.

The following dates are fixed:

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**IEC 62680-1-8**

Edition 1.0 2019-09

# **INTERNATIONAL STANDARD**

## **NORME INTERNATIONALE**



**Universal serial bus interfaces for data and power –  
Part 1-8: Common components – USB Audio 3.0 device class definition terminal  
types**

**Interfaces de bus universel en série pour les données et l'alimentation  
électrique –  
Partie 1-8: Composants communs – Définition de classes de dispositifs USB  
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**IEC 62680-1-8**

Edition 1.0 2019-09

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE



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Audio 3.0 pour types de terminaux**

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ICS 33.120.20; 33.120.30; 35.200

ISBN 978-2-8322-7245-9

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#### **Part 1-8: Common components – USB Audio 3.0 device class definition terminal types**

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The text of this standard was prepared by the USB Implementers Forum (USB-IF). The structure and editorial rules used in this publication reflect the practice of the organization which submitted it.

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

CDV	Report on voting
100/3160/CDV	100/3230/RVC

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## INTRODUCTION

The IEC 62680 series is based on a series of specifications that were originally developed by the USB Implementers Forum (USB-IF). These specifications were submitted to the IEC under the auspices of a special agreement between the IEC and the USB-IF.

This standard is the USB-IF publication USB Device Class Definition for Terminal Types Release 3.0.

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# UNIVERSAL SERIAL BUS DEVICE CLASS DEFINITION FOR TERMINAL TYPES

**Release 3.0**

**September 22, 2016**

## SCOPE OF THIS RELEASE

This document is the Release 3.0 of this device class definition.

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## REVISION HISTORY

Revision	Date	Filename	Description
1.0	Mar. 18, 98	Termt10.pdf	Release 1.0
2.0	May. 31, 06	Termt20 final.pdf	Release 2.0
3.0	Sep. 22, 16	Termt30.pdf	Release 3.0

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## 1 INTRODUCTION

The intention of this document is to describe in detail all the Terminal Types that are supported by the Audio Device Class. This document is considered an integral part of *the Audio Device Class Specification*, although subsequent revisions of this document are independent of the revision evolution of the main *Audio Device Class Specification*. This is to easily accommodate the addition of new Terminal Types without impeding the core *Audio Device Class Specification*.

### 1.1 SCOPE

The Audio Device Class Definition applies to all devices or functions embedded in composite devices. All audio signals inside an audio function start at an Input Terminal, pass through some Units, and leave the function through an Output Terminal. Units can manipulate the signal in various ways. Terminals represent the connections of the function to the outside world.

As part of the Terminal descriptor, the **wTerminalType** field specifies the vendor's suggested use of the Terminal. For example, a pair of speakers is a more suitable target for music output than a telephone line. This feature allows a vendor to ensure that applications use the device in a consistent and meaningful way.

### 1.2 RELATED DOCUMENTS

- *Universal Serial Bus Specification*, 1.0 final draft revision (also referred to as the *USB Specification*). In particular, see Chapter 9, "USB Device Framework".
- Universal Serial Bus Device Class Definition for Audio Data Formats (referred to in this document as USB Audio Data Formats).
- ANSI S1.11-1986 standard.
- AES10-2003 AES Recommended Practice for Digital Audio Engineering – Serial Multichannel Audio Digital Interface (MADI)
- MPEG-1 standard ISO/IEC 111172-3 1993.
- MPEG-2 standard ISO/IEC 13818-3 Feb. 20, 1997.
- Digital Audio Compression Standard (AC-3), ATSC A/52 Dec. 20, 1995. (available from <http://www.atsc.org>)
- ANSI/IEEE-754 floating-point standard.
- ISO/IEC 958 International Standard: Digital Audio Interface and Annexes.
- ISO/IEC 1937 standard.
- ITU G.711 standard.

### 1.3 TERMS AND ABBREVIATIONS

None.

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