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**BS EN 62379-2:2009**



BSI Standards Publication

# Common control interface for networked digital audio and video products —

Part 2: Audio

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This British Standard is the UK implementation of EN 62379-2:2009. It is identical to IEC 62379-2:2008.

The UK participation in its preparation was entrusted to Technical Committee EPL/100, Audio, video and multimedia systems and equipment.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2010

#### **Amendments issued since publication**

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NORME EUROPÉENNE  
EUROPÄISCHE NORM

August 2009

ICS 33.160.01

English version

**Common control interface  
for networked digital audio and video products -  
Part 2: Audio  
(IEC 62379-2:2008)**

Interface de commande commun  
destiné aux produits audio et vidéo  
numériques connectés en réseau -  
Partie 2: Audio  
(CEI 62379-2:2008)

Gemeinsame Steuerschnittstelle  
für netzwerkbetriebene digitale  
Audio- und Videogeräte -  
Teil 2: Audio  
(IEC 62379-2:2008)

This European Standard was approved by CENELEC on 2009-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

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

**Central Secretariat: Avenue Marnix 17, B - 1000 Brussels**

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## Foreword

The text of document 100/1405/FDIS, future edition 1 of IEC 62379-2, prepared by technical area 4, Digital system interfaces and protocols, of IEC TC 100, Audio, video and multimedia systems and equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62379-2 on 2009-07-01.

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) 2010-04-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2012-07-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62379-2:2008 was approved by CENELEC as a European Standard without any modification.

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**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 62379-1	2007	Common control interface for networked digital audio and video products - Part 1: General	EN 62379-1	2007
AES3	2003	AES standard for digital audio engineering - Serial transmission format for two-channel linearly represented digital audio data	-	-
AES10	2008	AES recommended practice for digital audio engineering - Serial Multichannel Audio Digital Interface (MADI)	-	-
AES50	2005	AES standard for digital audio engineering - High-resolution multi-channel audio interconnection	-	-
ITU-T Recommendation G.711	<sup>-1)</sup>	Pulse code modulation (PCM) of voice frequencies	-	-
ITU-T Recommendation G.722	<sup>-1)</sup>	7 kHz audio-coding within 64 kbit/s	-	-
ITU-T Recommendation J.41	<sup>-1)</sup>	Characteristics of equipment for the coding of analogue high quality sound programme signals for transmission on 384 kbit/s channels	-	-
ITU-T Recommendation J.57	<sup>-1)</sup>	Transmission of digital studio quality sound signals over H1 channels	-	-

<sup>1)</sup> Undated reference.

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## INTRODUCTION

IEC 62379 specifies the common control interface, a protocol for managing equipment which conveys audio and/or video across digital networks.

This part of IEC 62379 specifies those aspects that are specific to audio equipment.

An introduction to the common control interface is given in IEC 62739-1.



# COMMON CONTROL INTERFACE FOR NETWORKED DIGITAL AUDIO AND VIDEO PRODUCTS –

## Part 2: Audio

### 1 Scope

This part of IEC 62379 specifies aspects of the common control interface of IEC 62379-1 that are specific to audio.

### 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.

AES3-2003, *AES standard for digital audio — Digital input-output interfacing — Serial transmission format for two-channel linearly represented digital audio data*

AES10-2003, *AES recommended practice for digital audio engineering – Serial multichannel audio digital interface (MADI)*

AES50-2005, *AES standard for digital audio engineering – High-resolution multi-channel audio interconnection (HRMAI)*

IEC 62379-1:2007, *Common control interface for networked audio and video products – Part 1: General*

ITU-T Recommendation G.711, *Pulse code modulation (PCM) of voice frequencies*

ITU-T Recommendation G.722, *7kHz audio-coding within 64 kbit/s*

ITU-T Recommendation J.41, *Characteristics of equipment for the coding of analogue high quality sound programme signals for transmission on 384 kbit/s channels*

ITU-T Recommendation J.57, *Transmission of digital studio quality sound signals over H1 channels*

### 3 Terms, definitions and abbreviations

For the purposes of this document, the terms and definitions given in IEC 62379-1 apply along with the following abbreviations.

#### 3.1 Abbreviations

**3.1.1**  
**pulse code modulation**  
**PCM**

**3.1.2**  
**motion pictures expert group**  
**MPEG**