

CEA Standard

Common Interconnection for
Portable Media Players

CEA-2017-A

September 2009



CEA[®]
Consumer Electronics Association

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(Formulated under the cognizance of the CEA **R6 Portable, Handheld and In-Vehicle Technology Committee.**)

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FOREWORD

This standard was developed by the Consumer Electronics Association (CEA) R6 Mobile Electronics Committee.

CEA-2017-A includes significant changes from *ANSI/CEA-2017*. Connectors and devices implemented using *CEA-2017-A* may not be compatible with those that use *ANSI/CEA-2017*.

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COMMON INTERCONNECTION FOR PORTABLE MEDIA PLAYERS

1 Scope

This standard defines electrical and mechanical properties for a connector that will pass audio, high definition video, high speed/superspeed Universal Serial Bus (USB) and associated metadata signals, control signals, and power between portable electronic devices and in-home and in-vehicle audio/video systems.

CEA-2017-A may not be backward compatible with CEA-2017.

2 References

2.1 Normative References

The following references contain provisions that, through reference in this text, constitute normative provisions of this standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below.

2.1.1 Normative Reference List

CEA-CPEB-6-A, *Preferred Voltage and Impedance Values for the Interconnection of Audio Products* (reaffirmed January, 2004)

Directive 2002/95/EC of the European Parliament and of the Council (January 27, 2003)

EIA/ECA-364-1000.01, *Environmental Test Methodology for Assessing the Performance of Electrical Connectors and Sockets Used in Controlled Environment Applications*

High-Definition Multimedia Interface (HDMI) Specification Version 1.3a (November 10, 2006)
Supplement 1, Consumer Electronics Control (CEC)

UL-94, *Tests for Flammability of Plastic Materials for Parts in Devices and Appliances* (5th Edition, June 2009)

USB-IF Media Transfer Protocol Specification

Universal Serial Bus 3.0 Specification, Revision 1.0 (November 12, 2008)

Universal Serial Bus Specification, USB On-The-Go Supplement, Revision 1.0a

VESA DisplayPort Standard, Version 1, Revision 1a (January 11, 2008)

VESA DisplayPort Interoperability Guideline, Version 1.1a (February 5, 2009)

2.1.2 Normative Reference Acquisition

CEA, EIA/ECA and UL Standards:

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