

CEA Standard

Mobile Electronics Wiring Designations for Audio and Vehicle Security/Convenience

CEA-803-B

August 2012



CEA[®]
Consumer Electronics Association

www.CE.org

NOTICE

Consumer Electronics Association (CEA[®]) Standards, Bulletins and other technical publications are designed to serve the public interest through eliminating misunderstandings between manufacturers and purchasers, facilitating interchangeability and improvement of products, and assisting the purchaser in selecting and obtaining with minimum delay the proper product for his particular need. Existence of such Standards, Bulletins and other technical publications shall not in any respect preclude any member or nonmember of CEA from manufacturing or selling products not conforming to such Standards, Bulletins or other technical publications, nor shall the existence of such Standards, Bulletins and other technical publications preclude their voluntary use by those other than CEA members, whether the standard is to be used either domestically or internationally.

Standards, Bulletins and other technical publications are adopted by CEA in accordance with the American National Standards Institute (ANSI) patent policy. By such action, CEA does not assume any liability to any patent owner, nor does it assume any obligation whatever to parties adopting the Standard, Bulletin or other technical publication.

This document does not purport to address all safety problems associated with its use or all applicable regulatory requirements. It is the responsibility of the user of this document to establish appropriate safety and health practices and to determine the applicability of regulatory limitations before its use.

This document is copyrighted by the Consumer Electronics Association (CEA[®]) and may not be reproduced, in whole or part, without written permission. Federal copyright law prohibits unauthorized reproduction of this document by any means. Organizations may obtain permission to reproduce a limited number of copies by entering into a license agreement. Requests to reproduce text, data, charts, figures or other material should be made to CEA.

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

Published by
©CONSUMER ELECTRONICS ASSOCIATION 2012
Technology & Standards Department
www.CE.org

All rights reserved

FOREWORD

This standard was developed under the auspices of the Consumer Electronics Association (CEA) Technology & Standards R6 Mobile Electronics Committee.

CEA-803-B supersedes EIA-IS-25, Interconnection Standards for Automobile Sound Systems, June 1986. EIA-IS-25 has been withdrawn.

(This page intentionally left blank.)

CONTENTS

1 Scope	1
2 References	1
2.1 Informative References	1
2.1.1 Informative Reference List	1
2.1.2 Informative Reference Acquisition	1
3 Audio Terms	1
3.1 Abbreviations of Audio Terms	1
3.2 Definitions of Audio and Vehicle Navigation Terms	1
3.3 Color Codes	1
3.4 Color Palette	1
3.5 Labeling	1
4 Vehicle Security Terms	3
4.1 Abbreviations of Vehicle Security Terms	3
4.2 Definitions of Vehicle Security Terms	3
4.3 Labeling	3
5 Implementation	3

TABLES

Table 1 Standard Audio Definitions, Abbreviations, and Color Codes	2
Table 2 Standard Vehicle Security Term Definitions	4

(This page intentionally left blank.)

Mobile Electronics Wiring Designations for Audio, and Vehicle Security/Convenience

1 Scope

This standard defines the terms, abbreviations, and definitions used in the sales and installation of vehicle aftermarket audio and security equipment. The standard adds continuity to mobile electronics installation information, enables easier data collection, and ensures consistency of information to installers.

CEA-803-B does not address home theater applications. See ANSI/CEA-863-B.

2 References

2.1 Informative References

The following standards contain provisions that, through reference in this text, constitute informative provisions of this standard. At the time of publication, the editions indicated were 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 editions of the standards listed in Section 2.1.1.

2.1.1 Informative Reference List

ANSI/CEA-863-B, Connection Color Codes for Home Theater Systems, February 2011

Pantone® Color Formula Guide

2.1.2 Informative Reference Acquisition

CEA Standards:

- Global Engineering Documents, World Headquarters, 15 Inverness Way East, Englewood, CO USA 80112-5776; Phone 800-854-7179; Fax 303-397-2740; Internet <http://global.ihs.com>; Email global@ihs.com

Pantone® Color Formula Guide

- Pantone, Inc., 590 Commerce Blvd., Carlstadt, New Jersey, 07072-3098 USA; Phone 201 935 5500; Fax 201 896 0242; Internet <http://www.pantone.com>; Email customer_service@pantone.com

3 Audio Terms

Standard wiring audio terms shall be those indicated in Table 1, Column A.

3.1 Abbreviations of Audio Terms

Standard wiring audio terms shall be abbreviated as indicated in Table 1, Column B.

3.2 Definitions of Audio and Vehicle Navigation Terms

Standard audio and vehicle navigation wiring terms shall be defined as indicated in Table 1, Column C.

3.3 Color Codes

Standard color codes are defined in Table 1; Column D. Colors shall be used on wires and connectors.

3.4 Color Palette

CEA-803-B does not specify the exact shade or hue of color for use to comply with this standard. However, to provide a consistent reference for manufacturing conformity, the following colors are recommended from the Pantone® Color Formula Guide. All color numbers are followed by a "C" denoting swatches for coated printing stock. The color examples shown in Table 1, Column E, may vary in appearance depending upon CRT calibration, printer, paper quality, etc. For exact color references, users should consult a recently published Pantone® color guide.

An example of the color reference is displayed in Table 1, Column E.

3.5 Labeling

The abbreviations provided in Table 1; Column B may be used to identify the electrical signals to the installer as applicable.