

# ANSI/CTA Standard

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

**ANSI/CTA803-B R-2017**

**(Formerly ANSI/CEA-803-B)**

**November 2012**



**Consumer  
Technology  
Association**

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

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## **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 EIA-IS-25 has been withdrawn.

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## 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:

- Techstreet, 3916 Ranchero Drive, Ann Arbor, MI USA 48108; Phone 800-699-9277; Fax 734-780-2046; Internet <http://www.techstreet.com>; Email [techstreet.service@thomsonreuters.com](mailto:techstreet.service@thomsonreuters.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](mailto: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.