

# CEA Bulletin

## A Floor-to-Ceiling Guide for Residential Speaker Systems

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ASSOCIATION



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## **FOREWORD**

This recommended practice was developed by the Consumer Electronics Association's Audio Systems Committee and is now being maintained by the joint CEA and Custom Electronic Design and Installation Association (CEDIA) R10 Residential Systems Committee.

This document focuses on wiring and practices that pertain to the majority of situations that an installer might face. Every installation is unique and specific requirements for a particular one might require additional or specialized wiring that supports unique systems or devices.

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**A Floor-to-Ceiling Guide for Residential Speaker Systems**  
 Planning, Selection and Installation for Optimum Performance

## 1 SCOPE

This recommended practice is an informative reference for the installation, application and placement of speakers in residential environments.

## 2 REFERENCES

### 2.1 Informative References

#### 2.1.1 Informative Reference List

- ANSI/CEA/CEDIA-863-B, Connection Color Codes for Home Theater Systems, February, 2011
- ANSI/CEA/CEDIA-2030-A Multi-Room Audio Cabling Standard, February, 2011
- ANSI/TIA-570-B, Residential Telecommunications Infrastructure Standard, 2008
- Audio System Design and Installation, Phillip Giddings, Focal Press, ISBN 978-0240802862
- CEA/CEDIA-CEB22: Home Theater Recommended Practice: Audio Design, March 2009
- Canadian Electrical (CE) Code, January 2009
- Handbook of Sound System Design, John Eargle, Elar Publishing Co., ISBN 978-0914130031
- Master Handbook of Acoustics, Fifth Edition, F. Alton Everest and Ken Pohlmann, McGraw Hill, ISBN 978-0-07-160332-4
- NFPA-70, National Electrical Code<sup>®</sup>, 2011
- Sound Reproduction, Floyd Toole, Focal Press, ISBN 978-0-240-52009-4

#### 2.1.2 Informative Reference Acquisition

- Canadian Electrical Code:  
 Canadian Standards Association; 5060 Spectrum Way, Suite 100, Mississauga, Ontario, L4W 5N6  
 CANADA; Phone 1-800-463-6727; Internet <http://www.csa-intl.org/>
- ANSI/CEA Standards:  
 Consumer Electronics Association, 1919 S Eads, Arlington, VA 22202; Phone: 703-907-7600; Fax:  
 703-907-7675; Internet: <http://www.CE.org/Standards>
- NFPA Standards:  
 National Fire Protection Association; 1 Batterymarch Park, Quincy, MA 02269 USA; 1-800-344-  
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As used in this document shall and must denote mandatory provisions of this standard. Should denotes a provision that is recommended but not mandatory. May denotes a feature whose presence does not preclude compliance, and implementation of which is optional. Optional denotes items that may or may not be present in a compliant device.