

# Audio, Video, and Streaming Media Technologies

## Table of Contents

- 1. SOUND AND AUDIO PRINCIPLES**
  - Sound and Audio Signals
  - Directional Sound
  - Speakers
  - Amplification
  - Room Acoustics
- 2. AUDIO WIRING AND DISTRIBUTION**
  - Audio Distribution Options
  - Components
  - Audio Wiring
- 3. DESIGN AND INSTALLATION OF A DISTRIBUTED AUDIO SYSTEM**
  - Design of a Distributed Audio System
  - Installation of a Distributed Audio System
- 4. SIGNALS, CONNECTIONS, & IMAGES**
  - Signals and Connections
  - Video Image Technology
  - Signal Routing
- 5. VIDEO DISPLAYS AND PROJECTION**
  - Video Imaging
  - Viewing Parameters
  - Product Specifications
  - Screens for Projection Viewing
  - Enhancing the Image
- 6. VIDEO WIRING AND DISTRIBUTION**
  - Video Distribution Options
  - Components
- 7. DESIGN AND INSTALLATION OF A DISTRIBUTED VIDEO SYSTEM**
  - Design of a Distributed Video System
  - Installation of a Distributed Video System
- 8. SOURCES AND STREAMING MEDIA**
  - Media Sources - Audio and Video
  - Streaming Media
- 9. HOME THEATER**
  - Home Theater Defined
  - Types of Home Theater
  - Home Theater Audio/Video Processing
  - Home Theater Audio
  - Home Theater Control
  - Design of a Home Theater
  - Installation of a Home Theater
- 10. TROUBLESHOOTING TOOLS AND TECHNIQUES**
  - Tools for Troubleshooting
  - Common Problems
  - Troubleshooting Techniques
- 11. SYSTEMWIDE TROUBLESHOOTING**
  - Systemwide Troubleshooting
  - Ground Loops
  - Troubleshooting Control
  - Preventative Maintenance
- 12. TROUBLESHOOTING AUDIO/VIDEO**
  - Common Audio Problems
  - Common Video Problems
  - Common Satellite Problems

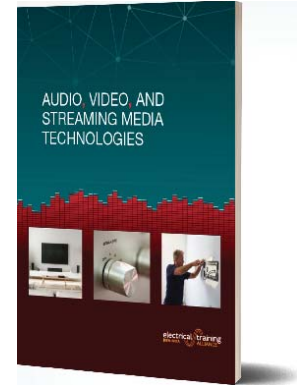
Glossary

*Must-have Resource for the LV Industry*

**250+ pages**

**Full-color  
textbook**

**Price \$59 US**



**Get your copy now!**

## DESCRIPTION

This affordable reference manual is full of up-to-date material specifically covering the **Low-Voltage Industry**.

- 250+ pages written in plain English
- Easy-to-understand color graphics
- Great training manual for students and employees
- First book in a series on smart homes and buildings
- Essential for technicians, installation firms, manufacturers, students, and instructors

Written as an educational resource for the **electrical training ALLIANCE** serving IBEW and NECA electricians.



## KEY TOPICS

### Audio and Video

- Foundational Principles of sound and imaging
- Wiring and Distribution of audio and video signals
- A/V Components and Connections
- System Design, Installation, and Troubleshooting

### Streaming Media

- Fundamentals of digital signal transmission
- Maximizing signal delivery and performance
- Troubleshooting issues and solutions

Call or order online for an autographed copy

**BEDROCK**  
Learning

**616.355.1418**

[www.bedrocklearning.com](http://www.bedrocklearning.com)