



# Installation 1: System Fabrication

## Preparing for Installation

### Planning

- Importance of Planning

### Site Survey

- Using a Scale
- Reading Drawings
- Conducting a Site Survey

### Procurement

- Equipment Preparation

## Cable Installation

### Cable Routes

- Wire and Cable
- Ohm's Law
- Impedance
- Balanced and Unbalanced Signals
- Cable Routing

### Cable Pull

- Pulling Cable
- Cable Considerations

## Terminating Cables

### Cable Termination

- Preparation
- Termination Methods, Connectors, and Testing

### Termination Methods

- Screw Terminal and Crimping
- Compression
- Linear Compression



Insulation Displacement  
Soldering  
Fiber Optic

## **Power and Grounding**

Power Considerations  
Grounding

## **Mounting**

### **Mount Install**

Mounting Overview  
Mounting Hardware  
Mounting Types  
Mounting Considerations  
Visual Mounting  
Audio System Wiring  
Audio Mounting

## **Rack Building**

### **Shop Build**

Rack Facts  
Building a Rack

### **Rack Build**

Wiring a Rack

## **Finishing Touches**

### **Load In**

Transporting Your AV System

### **Installation**

Installation Closeout