Multi-Room Audio System Installation Protocol

1. Overview

This protocol outlines step-by-step procedures for the installation of a multi-room audio system, ensuring consistent quality and performance throughout all designated zones.

2. Required Materials

- Multi-room audio controller/hub
- Speakers (per room/zone)
- Speaker wire (recommended gauge)
- Network cables (if applicable)
- Wall plates and hardware
- Amplifiers (if required)
- Audio source devices
- Mounting accessories
- Basic tools (drill, screwdriver, wire stripper, etc.)

3. Pre-Installation Checklist

1. Verify system configuration and room layout plans.
2. Confirm power and network availability in required locations.
3. Assess wall and ceiling structures for speaker and cable installation.
4. Identify and mark speaker and controller locations.

4. Installation Steps

1. **Speaker Installation**

   a. Cut and prepare openings at marked speaker locations.
   b. Run speaker wire between the controller and each speaker location.
   c. Mount speakers and connect wiring as per manufacturer guidelines.

2. **Controller/Hub Setup**

   a. Install the controller in a central, accessible location.
   b. Connect all speaker lines to the controller outputs.
   c. Connect the controller to power and network (if required).

3. **Source and Amplifier Connections**

   a. Connect audio sources to the controller using appropriate cables.
   b. Install any required amplifiers and connect per system requirements.

4. **System Configuration**

   a. Power on the system and perform initial setup via control interface.
   b. Assign zones and verify source switching across all rooms.

5. Testing & Verification

1. Test each zone for audio output and clarity.
2. Check source selection functionality in all rooms.
3. Inspect for cable integrity and secure mounting of all equipment.
4. Document any issues or adjustments required.

6. Handover & Documentation

- Provide system overview and basic training to the client/user.
- Supply system documentation, including wiring diagrams and control instructions.
- Record all installation details and settings for future reference.

7. Room/Zone Checklist

Room/Zone	Speaker Type	Installed	Tested	Notes
Living Room				
Kitchen				
Bedroom 1				
Bedroom 2				