

Thank you for purchasing a Harman Kardon AVR 225. This Quick-Start Guide will help you with a basic system installation. For detailed information on any step in this Guide, please refer to the pages referenced in the Owner's Manual. We strongly recommend that you read the Owner's Manual for complete details on how to install, configure and operate the AVR 225, as well as for the important safety information it contains.

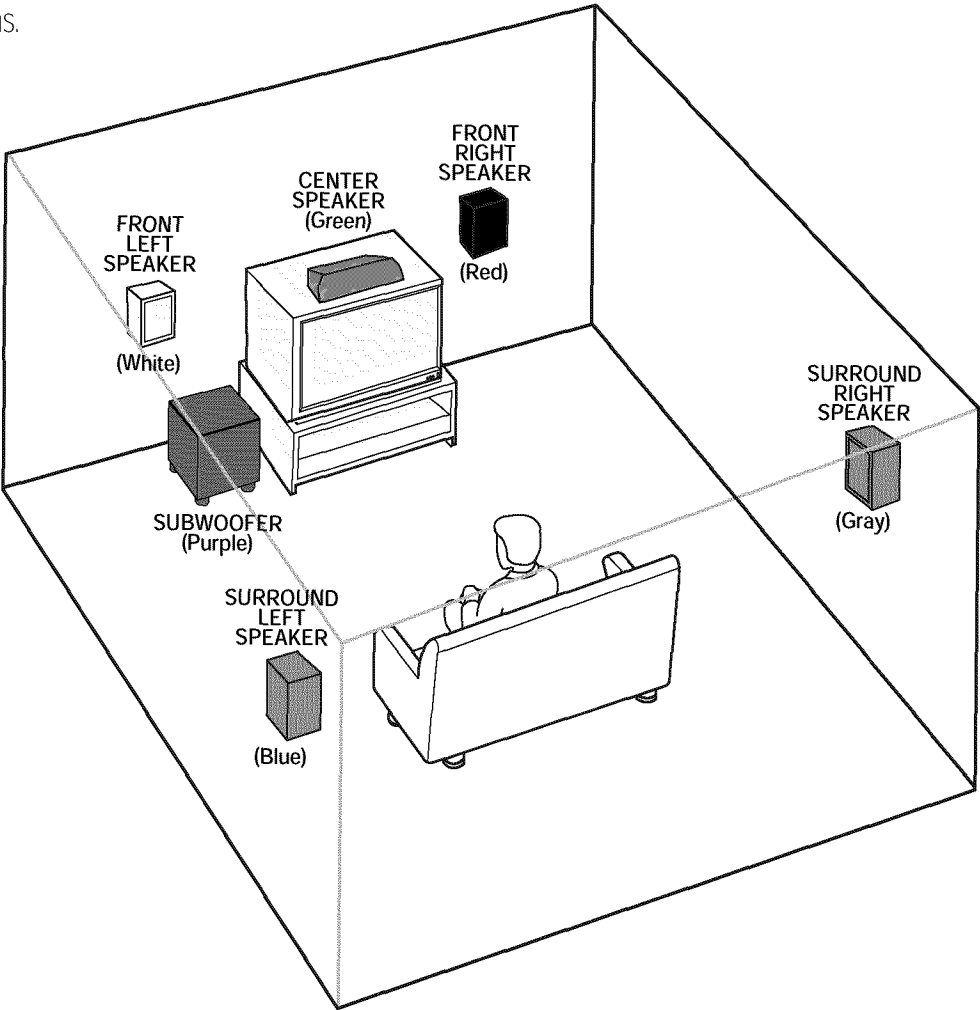












Figure 1 – Speaker Placement

The colors shown for each speaker correspond to the matching output terminal connection on the back of the AVR 225 (see page 14).

Connections Color Guide		
Audio Connections	Left	Right
Front		
Center		
Surround		
Subwoofer		
Digital Audio Connections		
Coax		
Optical		
Video Connections		
Composite		
S-Video		
<p>Match the colored jacks on the AVR 225 to the appropriate jacks on your source equipment or speakers. The colors are standardized, but not all equipment or connectors use them.</p>		

Step 1. Place your speakers in the listening room (see page 16).

AVR 225 QUICK-START GUIDE

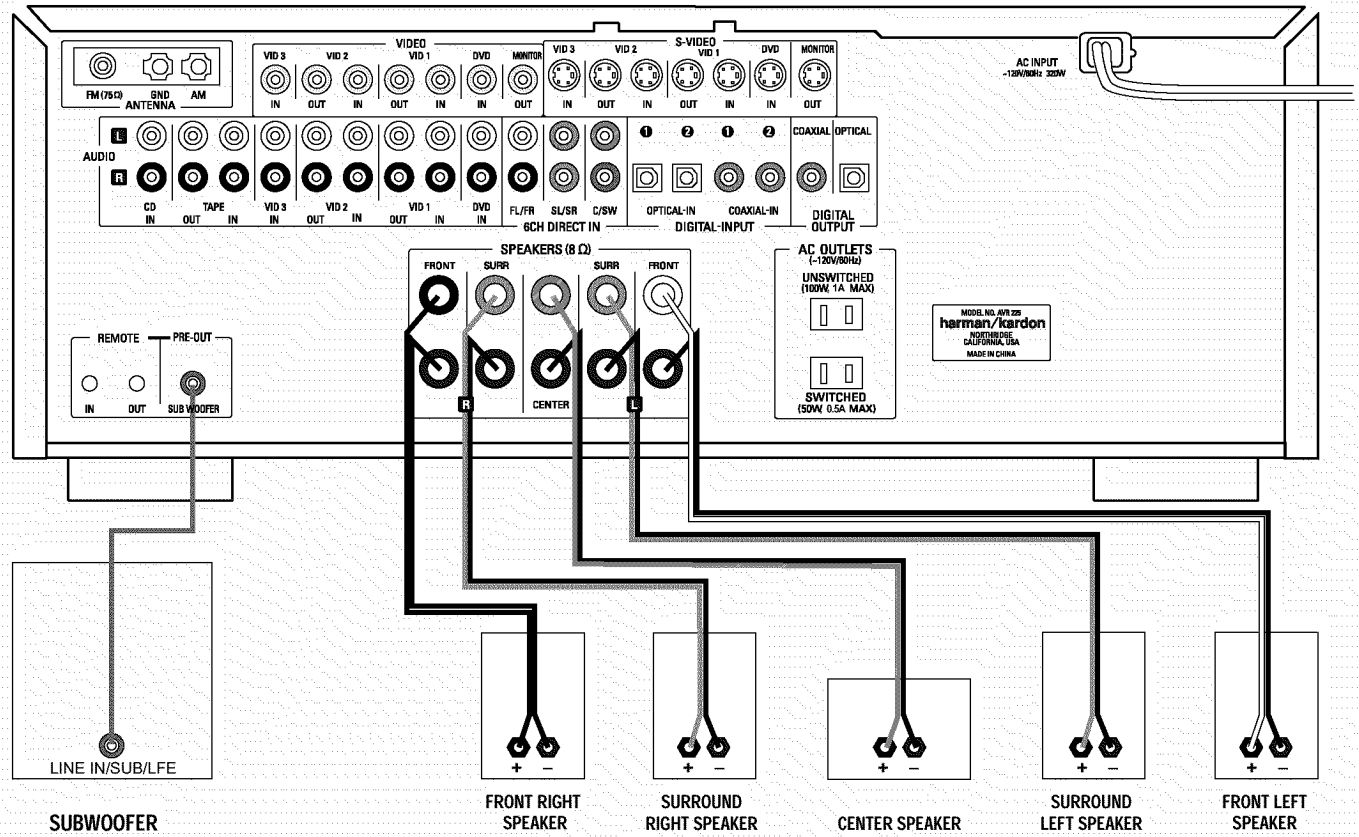


Figure 2 – Speaker Connections

Step 2. Connect the speakers to the receiver: Red (+) on speaker to colored (+) on receiver and black (–) to black (–). (See page 14.)

Step 3. Connect the Subwoofer Pre-Out jack to the Line-In jack on your subwoofer (see page 16). Adjust the settings on the subwoofer as needed.

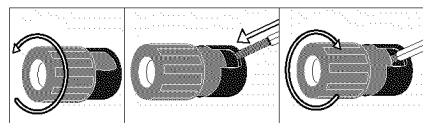


Figure 3 – How to Use the Binding-Post Speaker Terminal

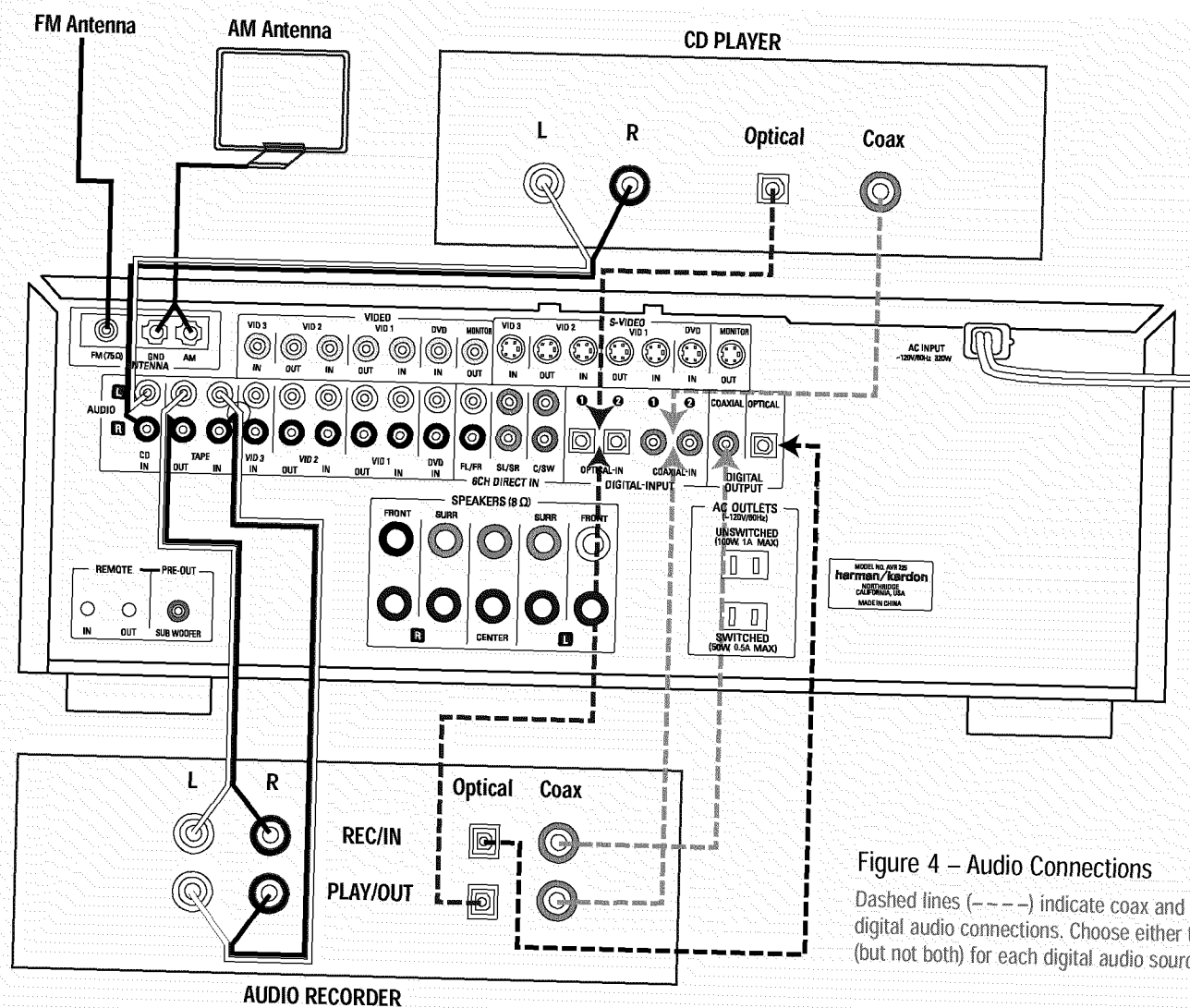


Figure 4 – Audio Connections

Dashed lines (---) indicate coax and optical digital audio connections. Choose either type (but not both) for each digital audio source.

Step 4. Connect AM and FM antennas (Figure 4).
(See page 14.)

Step 5. Connect source components, as shown in Figures 4 and 5, and the Device Connection Options chart at right (see pages 14–15).
AUDIO connections: right channel (red) on source to right (red) on AVR, and left channel (white) on source to left (white) on AVR.
DIGITAL AUDIO connections, if available: Choose either coax (orange) to coax (orange) OR optical to optical for each device. The Coax 1 input defaults to the DVD player, but may be reassigned. Assign the other digital inputs and outputs as appropriate for your equipment (as described in Step 7).
VIDEO connections: Choose either composite (yellow) or S-Video (4-pin) for each video source. Connect the composite and S-Video

Monitor outputs to your Video Monitor (TV). Switch your TV set's input to match the type of video used for the currently selected source.

Step 6. Plug all components into AC power outlets. The outlets on the back of the AVR 225 may be used *only* for low-current products, such as CD or DVD players, as long as the total does not exceed 100 watts.

Basic Receiver Configuration

Step 7. **Select digital inputs:** If your DVD is connected to Coax 1, no adjustment is needed. For any other digital-device connections, use the On-Screen In/Out Setup menu or the front-panel Digital Select button and the arrow buttons to select an optical or coax digital input (see pages 17–18 and 26).

Step 8. **Select a surround mode:** Press the Surround Mode button on the front panel to select

Dolby® Pro Logic® II – Movie. (You may select other modes later as you become familiar with the AVR 225; see pages 18 and 25–26.)

Step 9. **Configure speakers:** No action is needed if you have five "small" satellite-type speakers and a subwoofer. Otherwise, use the OSD Speaker Setup Menu, or press the Speaker button and then the Set and arrow buttons to select the correct speaker choices for your system (see pages 19–20).

Step 10. **Use EzSet™ to set output levels:** Set the Balance to 12 o'clock, and the Volume to –15dB. Hold the remote in front of you at shoulder level, and point it at the AVR 225. Press the SPL button for 3 seconds, hold the remote steady, and wait for the process to complete (see pages 21–22).

Step 11. Your system is configured – sit back and enjoy!

AVR 225 QUICK-START GUIDE

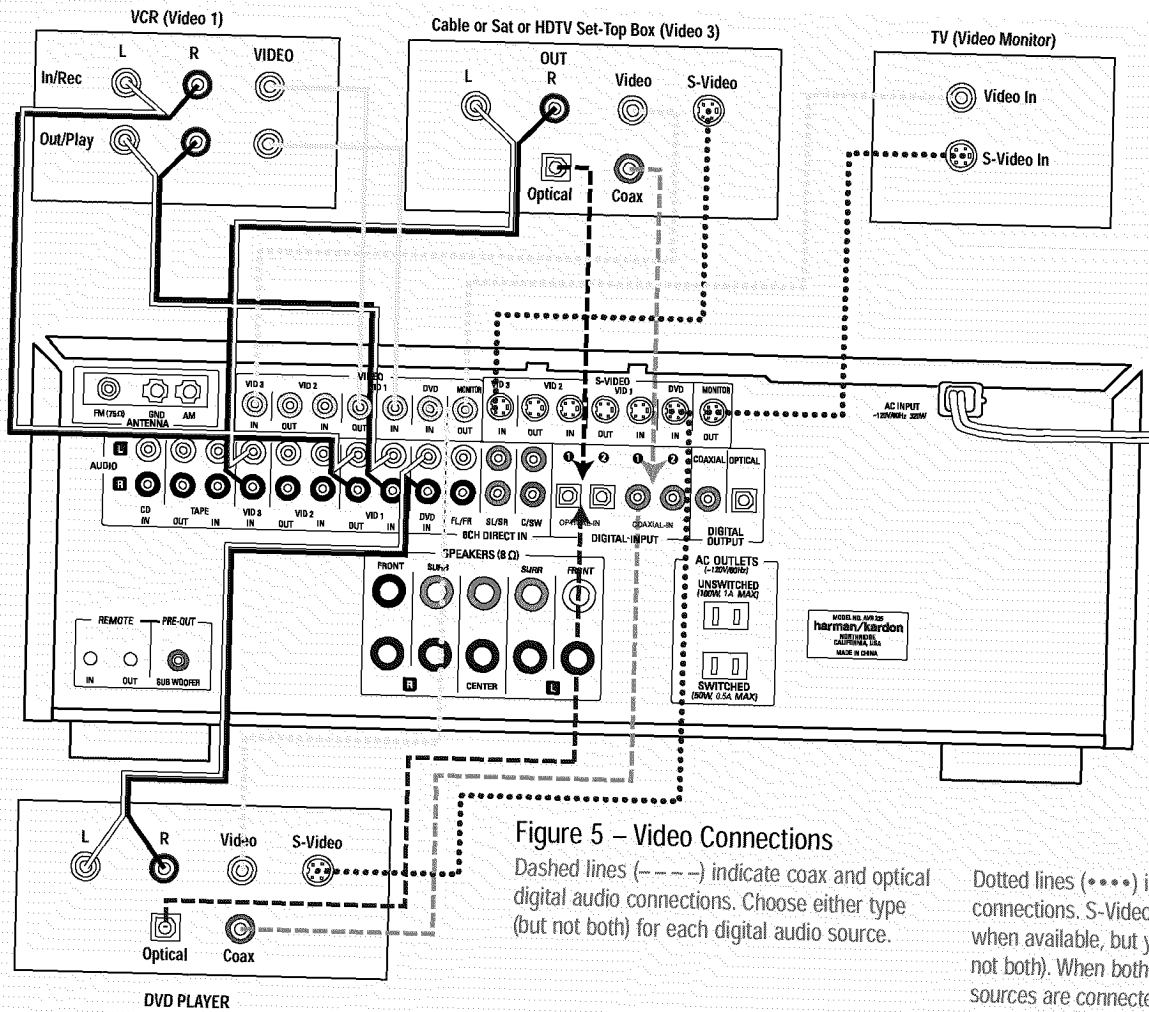


Figure 5 – Video Connections

Dashed lines (---) indicate coax and optical digital audio connections. Choose either type (but not both) for each digital audio source.

Dotted lines (.....) indicate composite or S-Video connections. S-Video is the preferred connection when available, but you may use either type (but not both). When both composite and S-Video sources are connected to the AVR you must also connect both outputs from the AVR to your TV.

Device Connection Options: Recommended connections are shown in red, but connections may be made to best fit your system requirements.

Device	Input Name	Audio Input Connections	Audio Output Connections	Video Connections
CD Player	CD	CD L/R Inputs, Optical Digital 1 or 2, or Coaxial Digital 1 or 2	Not required	Not required
DVD Player	DVD	Coaxial Digital 1 or 2, Optical Digital 1 or 2, or DVD L/R Inputs	Not required	DVD Composite or S-Video
VCR	Video 1	Video 1 L/R Inputs	Video 1 L/R Outputs	Video 1 Composite or S-Video Input and Output
Cable Box or Satellite Receiver	Video 2 or 3	Video 2 or 3 L/R Inputs, Optical Digital 1 or 2, or Coaxial Digital 1 or 2 Inputs*	Not required	Video 2 or 3 Composite or S-Video Input
Video Game	Video 2, 3 or 4	Video 2, 3 or 4 L/R Inputs, Optical Digital 1, 2 or 3, or Coaxial Digital 1, 2 or 3 Inputs	Not required	Video 2, 3 or 4 Composite or S-Video Input
Camcorder	Video 2, 3 or 4	Video 2, 3 or 4 L/R Inputs	Video 2, or 3 L/R Outputs	Video 2, 3 or 4 Composite or S-Video Input and Output
Audio Cassette Recorder	Tape	Tape L/R Inputs	Tape L/R Outputs	Not required
Digital Audio Recorder	Tape and/or CD	Tape L/R Inputs, Optical Digital 1/2 or Coaxial Digital 1/2 Inputs	Tape L/R Outputs, Digital Optical or Coaxial Outputs	Not required
TV or Projector	Video 2 or 3	Video 2 or 3 L/R Inputs	Not required	Monitor-Out Composite and/or S-Video

* Check with your cable company to make certain that digital audio is available for all channels. It may be necessary to make BOTH analog and digital connections.