

Audyssey Pro In-Application Instructions

Subwoofer Level Matching

- Connect the Calibrated Preamplifier “LINE OUT” cable to the Denon receiver's front panel “V.AUX” Left channel audio input.
- When taking measurements, the mic tip should always be placed at ear level pointing directly at the ceiling.
- Make the room as quiet as possible. Background noise can disrupt the room measurements. Close windows, silence cell phones, televisions, radios, air conditioners, fluorescent lights, appliances, light dimmers, or other devices.
- Cell phones should be placed away from all audio electronics during the measurement process as Radio Frequency Interference (RFI) may cause measurement disruptions (even if the cell phone is not in use).

Measurements

- Before beginning measurements...
- Connect the Calibrated Preamplifier “LINE OUT” cable to the Denon receiver's front panel “V.AUX” Left channel audio input.
- When taking measurements, the mic tip should always be placed at ear level pointing directly at the ceiling.
- Make the room as quiet as possible. Background noise can disrupt the room measurements. Close windows, silence cell phones, televisions, radios, air conditioners, fluorescent lights, appliances, light dimmers, or other devices.
- Cell phones should be placed away from all audio electronics during the measurement process as Radio Frequency Interference (RFI) may cause measurement disruptions (even if the cell phone is not in use).
- Press the “Measure” button to begin room measurements.
- Audyssey recommends measuring 8-12 positions for average-sized rooms.
- Avoid taking measurements far off-axis from the main speakers.
- Only measure at positions where people will commonly listen.
- Audyssey recommends measuring at least three positions on the couch facing the TV and three more positions about 3 ft. (1 m) in front of the couch, parallel to the first three. Measurements against the back or side walls should be avoided.
- Click the “Undo Last” button to erase your previous measurement.
- Click the “Clear All” button to erase all your previous measurements.
- Load previously saved measurements (“.amd” files) at any time while at the Measurement screen.
- Loading measurement will clear any existing measurements. Be sure to have set the Zone Configuration to match that of the saved measurements file, or unexpected results may occur.
- You may save measurements after the first measurement position is measured.

Detection Results

- The crossovers are listed in the order of recommendation.

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Target Sound Options

- Choose an Audyssey target curve from the “Target Curve” menu.
- The Audyssey target curves are based on the size and absorptive characteristics of the room.
- The High Frequency Roll-off 1 introduces a slight roll-off at high frequencies that accounts for the balance between direct and reflected sound for small to medium size rooms (room volume less than 2500 cu. ft.)
- The High Frequency Roll-off 2 introduces a slightly greater roll-off at high frequencies that restores the balance between direct and reflected sound for medium to large size rooms (room volume between 2500 and 5000 cu. ft.)
- The SMPTE 202M curve is an international standard for the high frequency roll-off applied in a typical 500-seat movie theater. It is appropriate for professional mixing spaces and dubbing stages that must be calibrated for film sound postproduction. It can also be used in extremely large playback spaces (room volume greater than 5000 cu. ft.)
- It is recommended that you engage the ‘Midrange Compensation’ option for your first listening test (this is selected by default). Midrange compensation is sometimes necessary to correct for the directivity differences that often occur in that frequency range due to the crossover circuitry or horn-loaded speakers. You can later return to this screen and disengage this option if you prefer.
- Press the “Design” button to launch the Target Curve Designer. Refer to the latest Audyssey MultEQ Pro User Guide for more information on this feature.

Save Results

- Immediately disconnect the mic from the “V.AUX” Left channel audio input on the Denon receiver.
- Transfer the correction filters and save to Denon receiver by clicking the “Save Permanently to 4311” button.
- The transfer status bar will indicate the progress of the transfer. It may take a few minutes.
- After the transfer is done, the “Turn MultEQ On” and “Turn MultEQ Off” buttons can be used for the demo.