

## Home Setup

Chiyoko Szlavnic, Berlin

*Note: Tutorial Diversions reminds you to document your own Home Setup before building up any other!*

Chiyoko Szlavnic's Home Setup is constituted by level Left and Right speakers oriented along a single wall. If your own stereo system is made up of a single unit with integrated speakers and player, simply ignore the calculations for Left and Right speaker and set up your system according to the *Middle-point* and the Height calculations below.

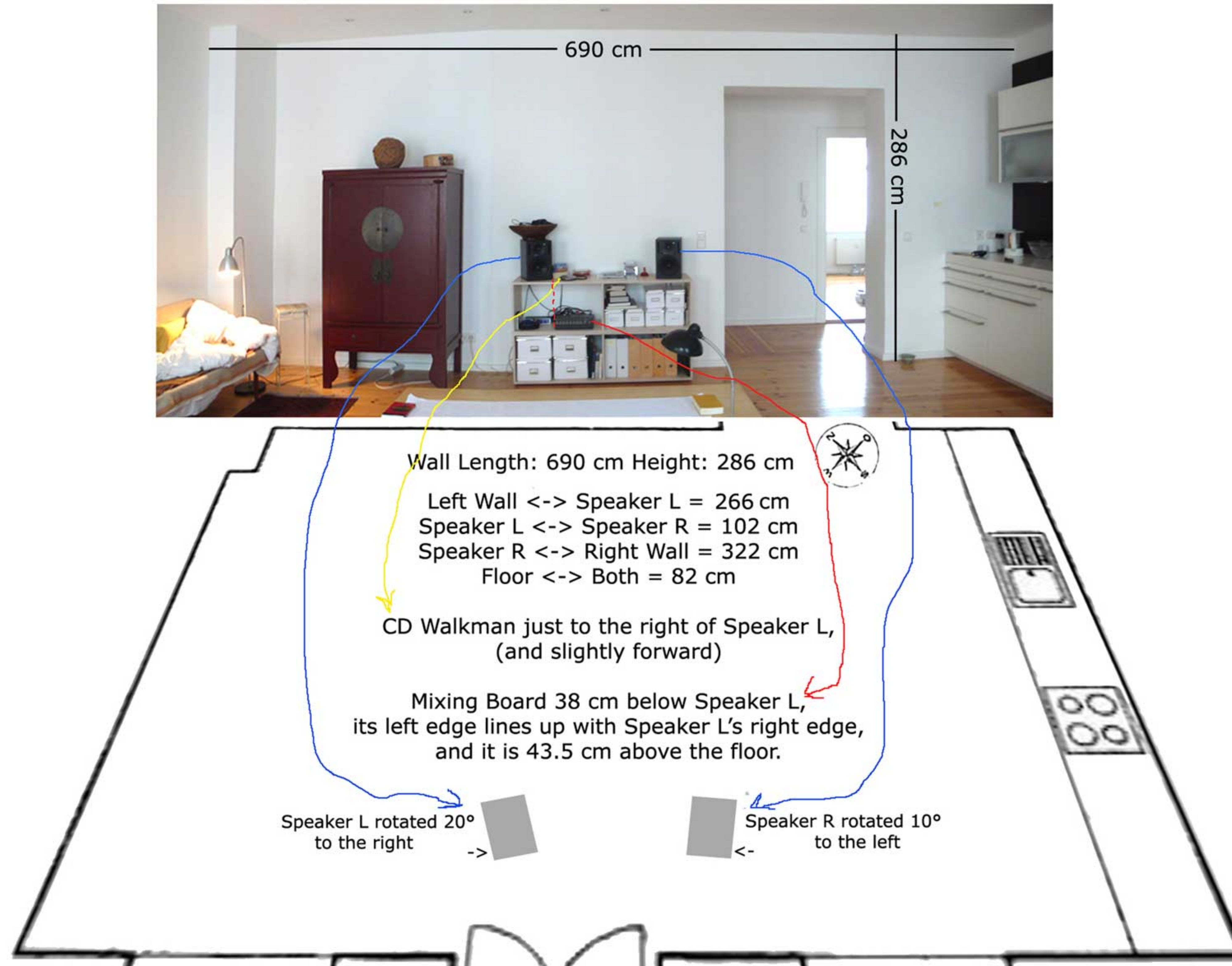
Chiyoko Szlavnic's Home Setup includes a mixing board and CD Walkman (see Diagram; as desired, determine ratios in relation to total Height of her wall). Her Left Speaker is turned 20° to the right and her Right Speaker is turned 10° to the left.

Chiyoko Szlavnic's Home Setup is oriented along a North wall. To reconstruct Chiyoko Szlavnic's Home Setup in your own space, you will need to plug the dimensions of your own East wall into the following equations.

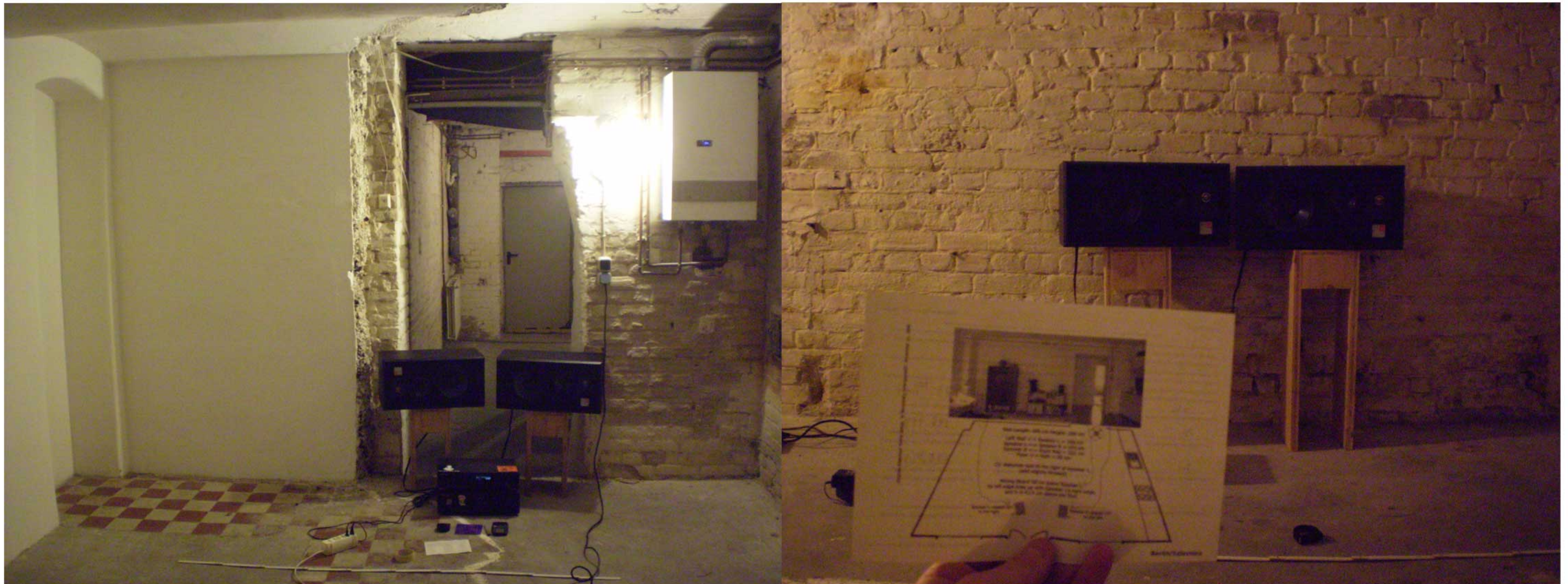
$$\begin{array}{l} \text{_____} \\ \text{Total Height of your North wall} \end{array} \quad \times \quad \frac{41/143}{\text{Ratio of Chiyoko Szlavnic's Speakers to the Total Height of her North Wall}} \quad = \quad \frac{\text{_____}}{\text{Distance from the Ground of your North Wall}}$$
$$\begin{array}{l} \text{_____} \\ \text{Total Width of your North wall} \end{array} \quad \times \quad \frac{133/345}{\text{Ratio of C.S.'s Left Speaker from the Left Side* of her North Wall to the Total Width of her North Wall}} \quad = \quad \frac{\text{_____}}{\text{Distance from your Left Speaker to the Right Side of your North Wall}}$$
$$\begin{array}{l} \text{_____} \\ \text{Total Width of your North wall} \end{array} \quad \times \quad \frac{7/15}{\text{Ratio of C.S.'s Right Speaker from the Right Side of her North Wall to the Total Width of her North Wall}} \quad = \quad \frac{\text{_____}}{\text{Distance from your Right Speaker to the Right Side of your North Wall}}$$
$$\begin{array}{l} \text{_____} \\ \text{Total Width of your North wall} \end{array} \quad \times \quad \frac{373/690}{\text{Ratio of the Middlepoint of C.S.'s Setup from the Right Side her North Wall to the Total Width of her North Wall}} \quad = \quad \frac{\text{_____}}{\text{Distance from the middle point of your Right Side of your North Wall}}$$

\* All references to Right or Left in relation to a given wall are references facing that wall









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