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Surround Delay Calculator

Contents

Surround Delay Calculator is supplied as a zip file, delaycalculator.zip. When unzipped it should contain:

SurroundDelayCalculator.exe
CT_Pro.dll

and this information file.

Description

Surround Delay Calculator calculates the electronic delays, in milliseconds, required for each channel in a five-channel surround system, based on user-specified distances, in feet or metres, from the listening position to each speaker.

System requirements

Surround Delay Calculator should run on any Windows 32-bit operating system, from Windows 95 onwards. It has been tested on Windows XP Pro. To run, the software requires that the supplied CT_Pro.dll be installed in the same directory as the executable. This contains the runtime files of Perfect Sync Inc's Console Tools Pro (<http://perfectsync.com>) which provides enhanced control over the console window's appearance and function.

Operation

Surround Delay Calculator's operation is largely self-explanatory. The user is first asked whether dimensions will be entered in feet or metres. If feet are selected, distances must be entered in decimal form, eg 10' 6" must be entered as 10.5. The distances to each speaker are then requested in turn, with the option to include height should the speakers be positioned above or below the ear level of the listener. If the speakers are at ear height then the height dimension must be entered as zero, which can be achieved by pressing Enter.

As the speaker layout will usually be symmetrical relative to the listening position, the distance to the front left/right speakers will usually be the same, as will that to the left and right surround speakers. To save entry of the same distance twice in each case, Enter can be used to repeat the previously entered dimension. Enter can also be used to insert the same horizontal distance for the centre speaker as for the front left/right pair.

Once all dimensions are entered, Surround Delay Calculator displays the necessary electronic delays for each channel in milliseconds.

Licence

This software may be freely distributed on the condition that it is unaltered and distributed in its entirety, including the supplied DLL and this information file. You use Surround Delay Calculator at your own risk. No warranty or support is implied or given. If you encounter any bugs or have suggestions for improvements you are invited to email them to freeware@audiosignal.co.uk.

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March 2007