

SoundCheck Data
to Matlab
Application Instructions
Beta Release

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Transforming Sound into Knowledge

SoundCheck Data to Matlab

This is a stand alone application which converts SoundCheck data (.DAT and .WFM) to .MAT, the native Matlab format.

1. Select the location where the converted files should be saved
2. Click Convert
3. Browse to the location of the DAT or WFM files that should be converted
4. Click OK to start conversion
5. Select the files you want to convert
6. Click on the Convert button
7. You are prompted when the conversion is complete

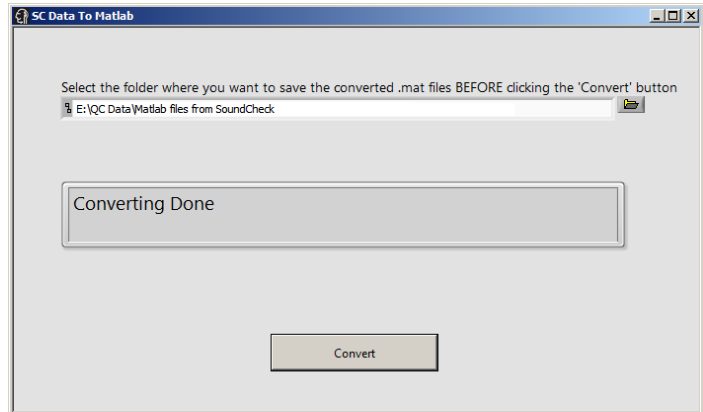


Figure 1-1: Interface

.MAT File Format Specifications

.DAT file

Matlab file will have 5 variables for each curve in the .DAT file

1. CurveName_X - 1D array of Double
2. CurveName_Y - 1D array of Double
3. CurveName_Z - 1D array of Double
4. CurveName_units - 2D array of characters (x,y,z units)
5. CurveName_dBref - 1D array of Double (x,y,z dBrefs)

.WFM file

Matlab file will have 4 variables for each waveform in the .WFM file

1. WaveformName - 1D array of Double
2. WaveformName_fs - 1D array of Double (1 value - sampling rate)
3. WaveformName_units - 2D array of characters (x,y units)
4. WaveformName_dBref - 1D array of Double (1 value - y dBref)

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Contact Information

Contact the Listen office at 617-556-4104, Monday through Friday, between 9 AM and 5 PM EST.

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Useful links

Listen Website: www.listeninc.com/

Download the latest versions of manuals, drivers and sequences from the support section of the Listen website.

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