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Technical support advisory 051019b

Using the Windows 'Print Screen' feature

The purpose of this document is to explain how to use the 'print screen' feature within Windows. This can be useful for capturing error messages and response graphs for analysis by yourself or DEQX.

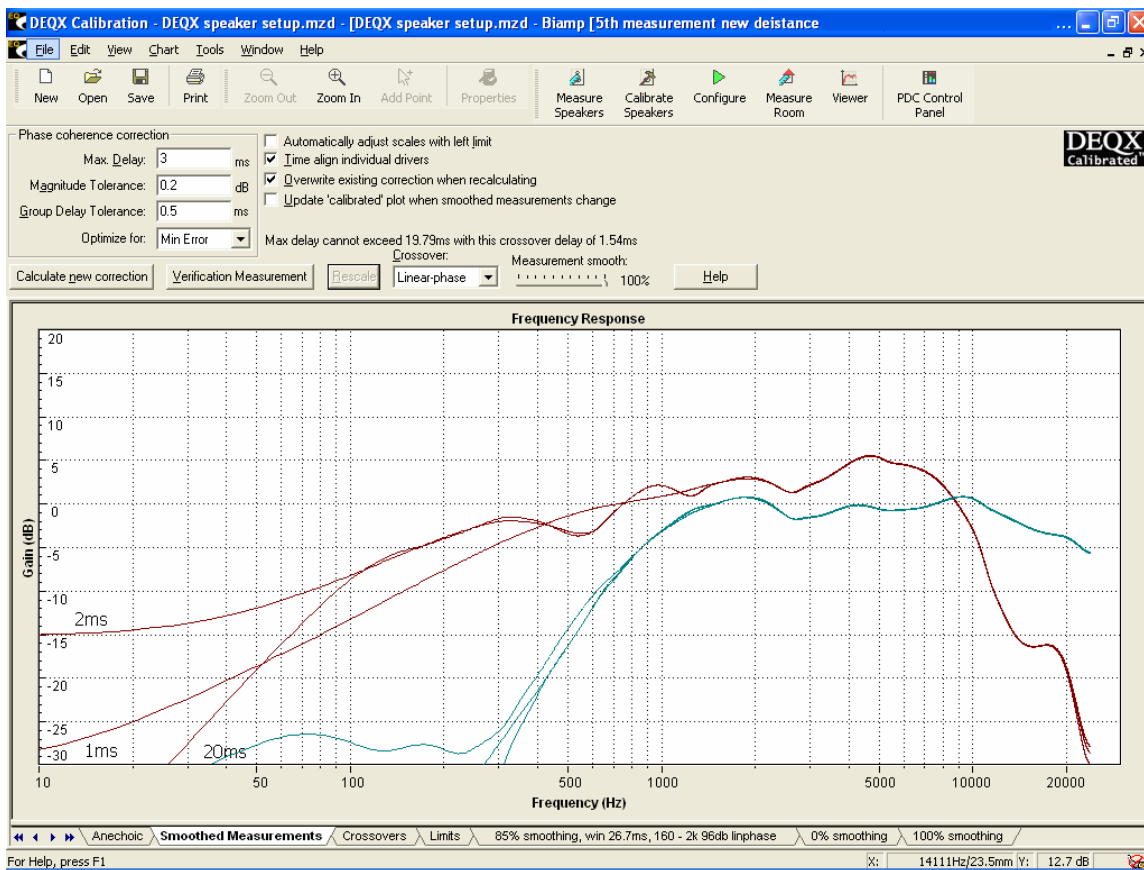
Procedure:-

On the PC keyboard you will see a 'Prt Scr' button. It is usually situated to the top right of the keyboard. When this button is pressed, Windows takes a screen 'snapshot' which is stored in the clipboard.

The contents of the clipboard can then be pasted (Edit menu, Paste) into emails, Wordpad documents, MS Word documents, and MS Paint documents. Of course, pasting a snapshot of an entire screen into an email will cause the email to be quite large.

If an error message has appeared on the screen and we only want a snapshot of it, we can press and hold the 'ALT' key while pressing the 'Prt Scr' button. This will capture the *foreground* item only. The advantage being that the email being sent will be smaller.

Another use of the 'Prt Scr' button is its use to allow the comparison of different graphs. A good example is when comparing the effects of different anechoic truncations on a smoothed measurement within a calibration template. The picture below is made up of a single speaker measurement, but with three different anechoic truncations; 1ms, 2ms and 20ms measured after the initial speaker impulse.





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As you can see, such a montage can be very useful when trying to decide where to set the anechoic window and the lowest frequency to correct down to.

HOW TO:-

If you wish to create a response comparison graphic do the following.

- 1) Click on the Windows START menu, select 'RUN...' type in 'mspaint' in the 'Open:' field and click OK. This will run the Microsoft Paint program we will use for merging our screen shots.
- 2) In the DEQXCal program create a new calibration template or load an existing one using the 'Calibrate Speakers' wizard.
- 3) Deselect (un-tick) the option 'Automatically adjust scales with the left limit', and then click the 'Rescale' button.
- 4) Set the anechoic window, and then click on the 'Smoothed Measurements' tab.
- 5) Press the 'Prt Scr' on your keyboard.



- 6) Go to 'Microsoft Paint' and on the left 'Tool box' you will see two icons, the bottom one must be highlighted, if it isn't click on it. This will set 'Microsoft Paint' so multiple images can be merged together.
- 7) Click on the 'Edit' menu in 'Microsoft Paint' and then click 'Paste'. The image will appear.
- 8) Go back to DEQXCal, and move the anechoic window to the next position you want (step 4). Repeat steps 4 to 8 until you have finished compiling your comparison graphic.
- 9) You can SAVE the graphic and close the 'Microsoft Paint' program if you wish, or if you were just using 'Microsoft Paint' as a scratch pad to compare different response curves just close 'Microsoft Paint'.
- 10) Go back to DEQXCal and set the anechoic window length to the optimum setting you established using the above process. Finally select (tick) the option 'Automatically adjust scales with the left limit', before attempting to create a correction filter (unless you deliberately wish not to).