

**Geomatrix** Earth Science Ltd  
 20 Eden Way, Leighton Buzzard, LU7 4TZ, UK  
 DRAWN BY Thornton  
 LAST REVISION DATE 18/06/2010

|                |                               |          |     |
|----------------|-------------------------------|----------|-----|
| FILENAME       | ELVISIII SWEEP FREQ interface | REVISION | A   |
| DIRECTORY PATH | H:\Engineering\Technotes      |          |     |
| DESCRIPTION    | Connections                   | SCALE    | n/a |
| PAGE           | 3 OF 3                        |          |     |

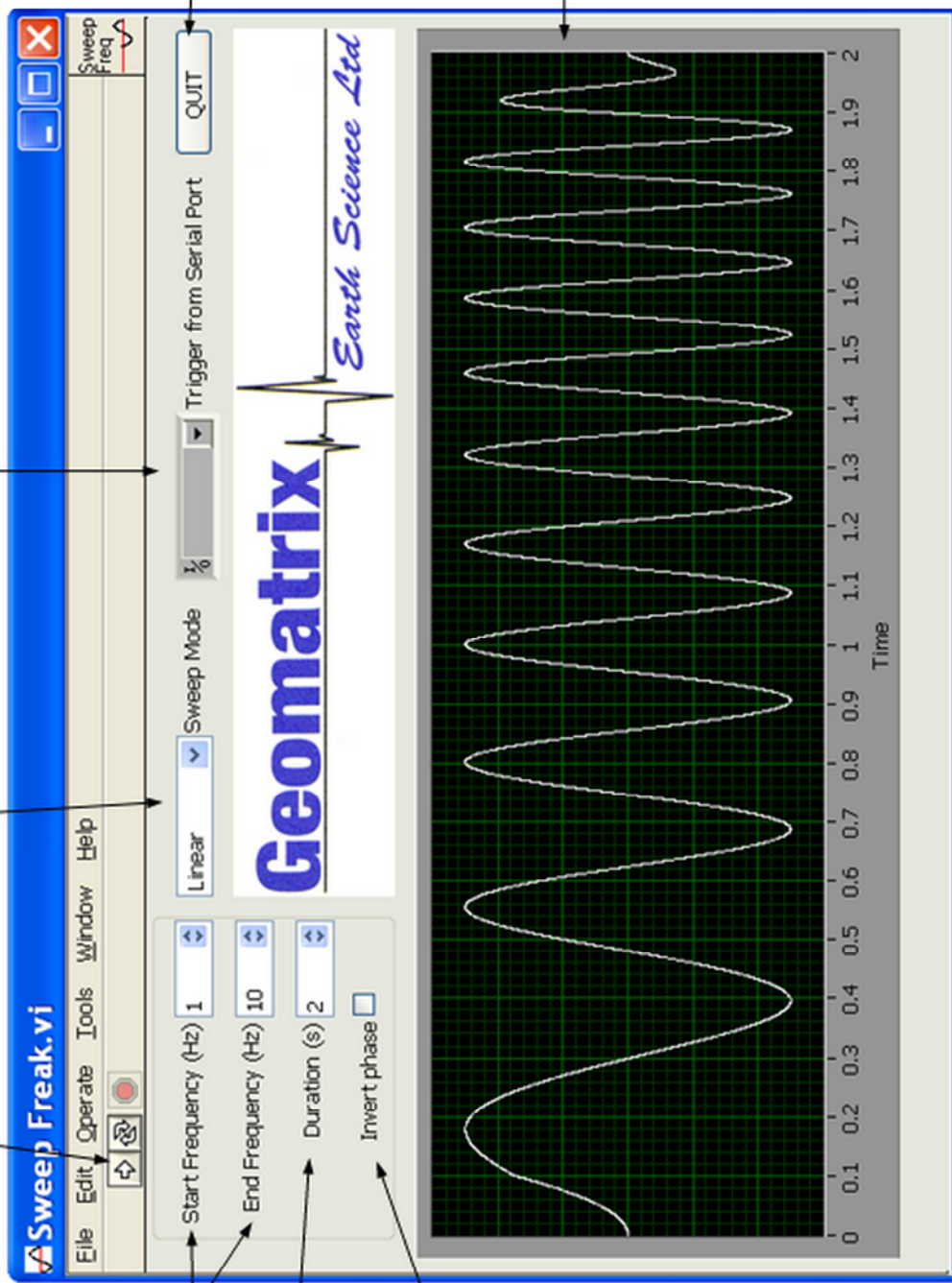
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D C B A

Chose from Linear, Logarithmic or Quadratic frequency sweep

To Quit click the Quit button and then the Run button

This graph shows the sine wave sent to the sound card



Start and end frequencies limited to 0 to 500Hz. Remember the 0.1mS amplitude taper at the beginning and end of the sweep. Best practice is to choose slightly higher and slightly lower frequencies than required

Length of time taken to generate swept sine wave

Change whether the sweep starts with positive or negative amplitude. Useful for detecting S-wave air reflections from surface anomalies/ structures

Run button

- 1 Error – 1073807346 is reported when there is no valid COM port selected
- 2 Turn the Windows (or sound card driver software) Volume Control 'Wave' and 'Master' controls to full, and check they are un-muted
- 3 Ensure that all sounds are turned OFF in Seismodule Controller System>Sounds menu
- 4 Setup Seismodule Controller for the required correlation and acquisition parameters and arm the seismograph
- 5 Switch tasks to Sweep Freq and setup the sweep parameters required then click the Run button

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| <b>Geomatrix</b> Earth Science Ltd         |            |
| 20 Eden Way, Leighton Buzzard, LU7 4TZ, UK |            |
| DRAWN BY                                   | Thornlon   |
| LAST REVISION DATE                         | 22/10/2008 |

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|--|----------------------|----------|--------|
| FILE   | SWEEP_FREQ_INTERFACE | REVISION | A      |
| H:\Engineering\Datsheets, software & tech manuals\EIVS seismic source\ |                      |          |        |
| DESCRIPTION  | Software             | SCALE    | 1.1    |
| PAGE   |                      |          | 0 OF 3 |

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