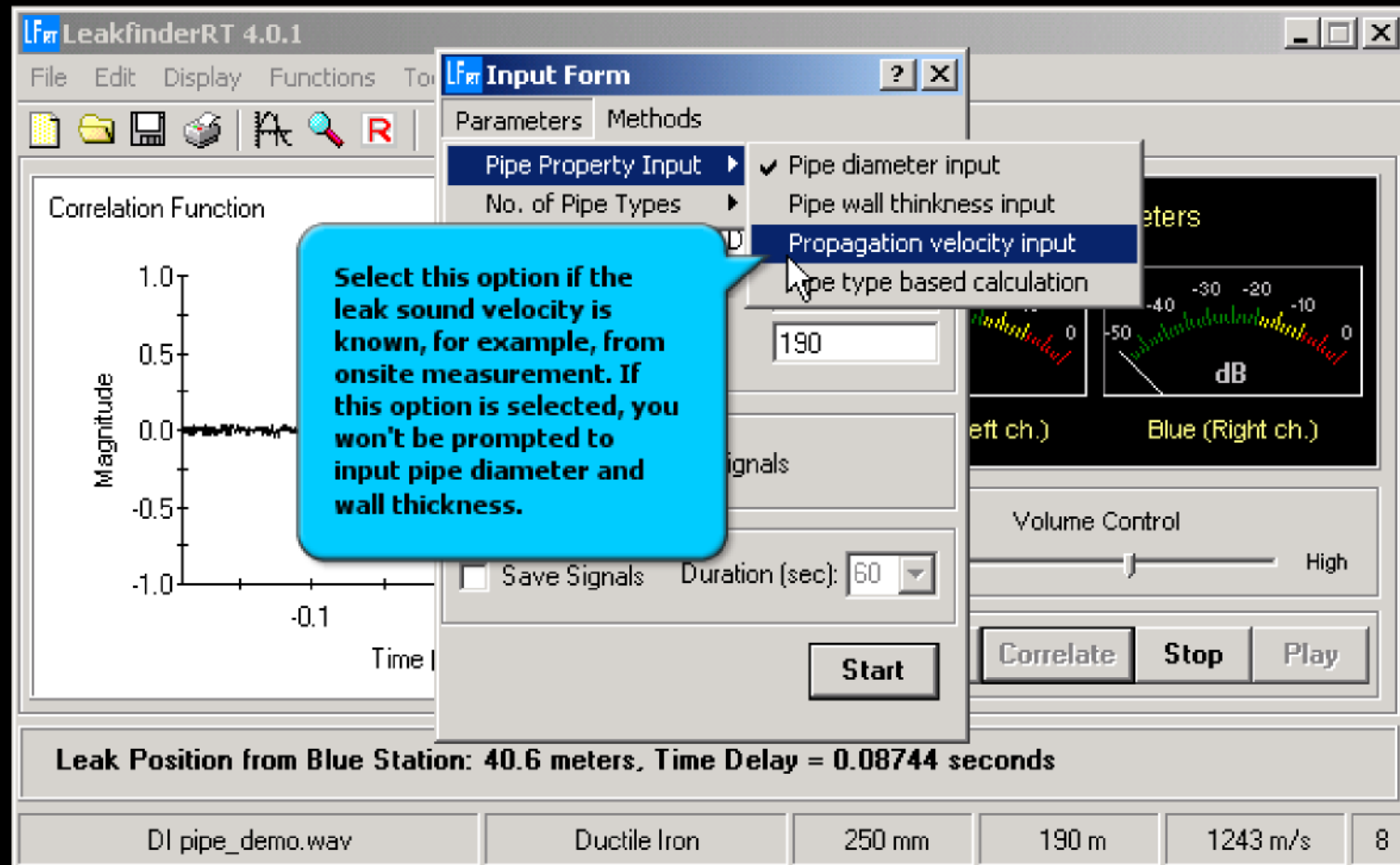


Options for pipe input parameters (leak sound velocity)

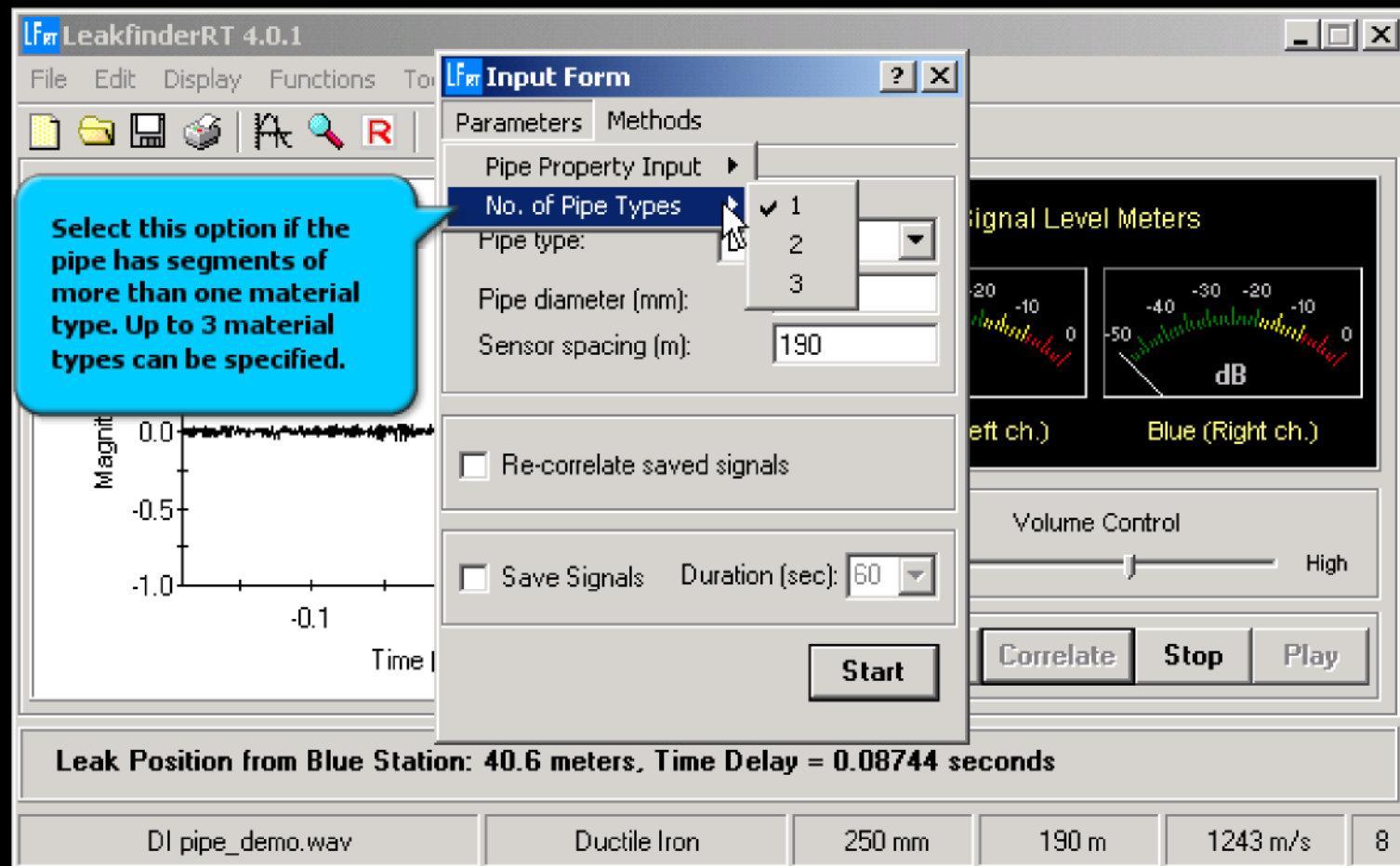


Options for pipe input parameters (unknown dimensions)

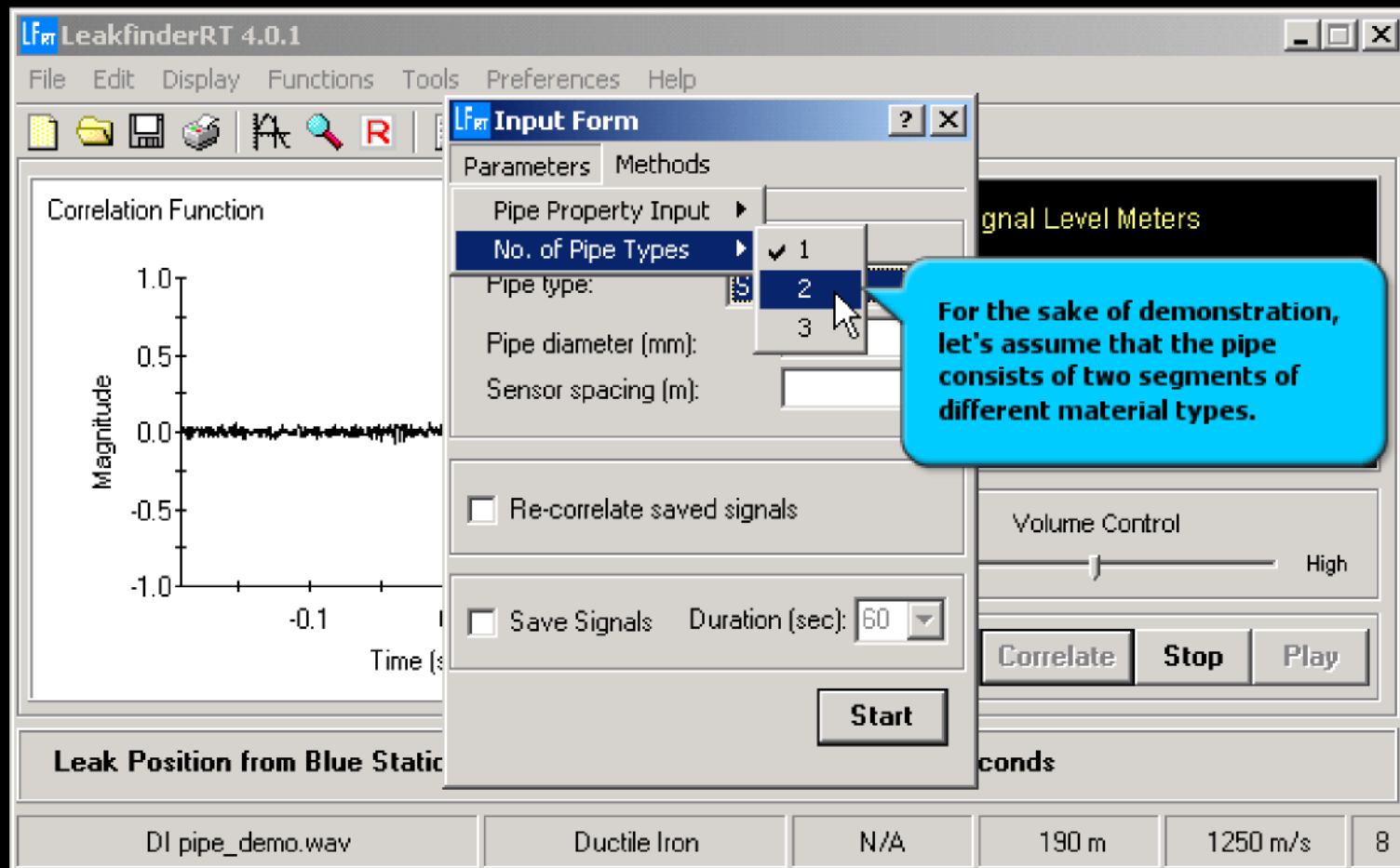
The screenshot displays the LeakfinderRT 4.0.1 software interface. The main window shows a 'Correlation Function' plot with 'Magnitude' on the y-axis (ranging from -1.0 to 1.0) and 'Time' on the x-axis (ranging from -0.1 to 0.1). A secondary plot on the right shows a signal waveform. Overlaid on the main window is the 'Input Form' dialog box, which has two tabs: 'Parameters' and 'Methods'. The 'Parameters' tab is active, showing fields for 'Pipe type' (set to 'D'), 'Pipe diameter (mm)' (set to '190'), and 'Sensor spacing (m)' (set to '190'). There are checkboxes for 'Re-correlate saved signals' and 'Save Signals', and a 'Duration (sec)' dropdown set to '60'. A 'Start' button is at the bottom of the dialog. A blue callout box points to the 'Pipe type based calculation' option in the 'Methods' tab, with the text: 'Select this option only if the pipe geometry is not known. If selected, you won't be prompted to input pipe diameter, thickness, or leak sound velocity.' Below the dialog box, a status bar displays 'Leak Position from Blue Station: 40.6 meters, Time Delay = 0.08744 seconds'. At the bottom of the main window, a table shows the following data:

DI pipe_demo.wav	Ductile Iron	250 mm	190 m	1243 m/s	8
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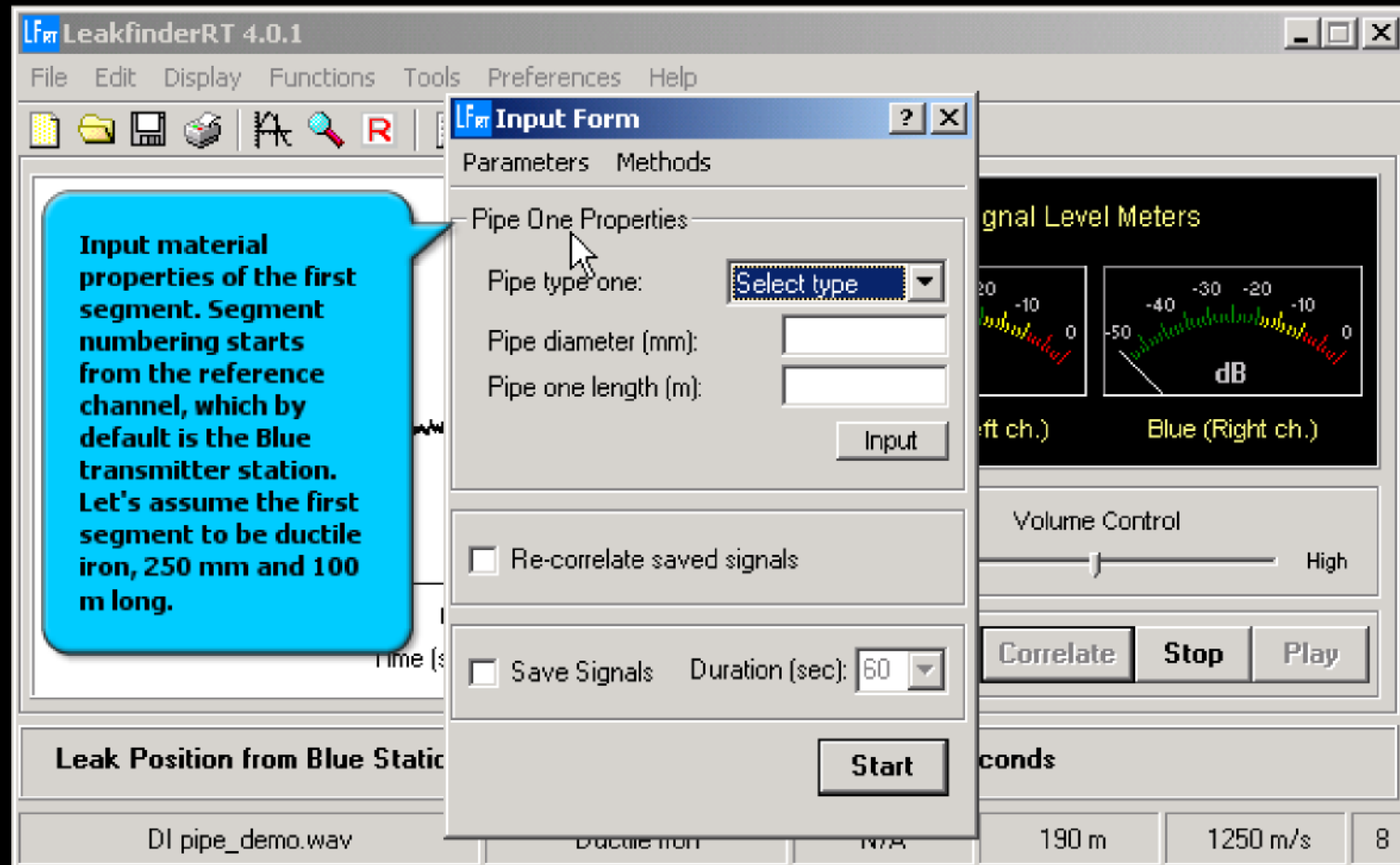
Options for pipe input parameters (multiple pipe materials 1)



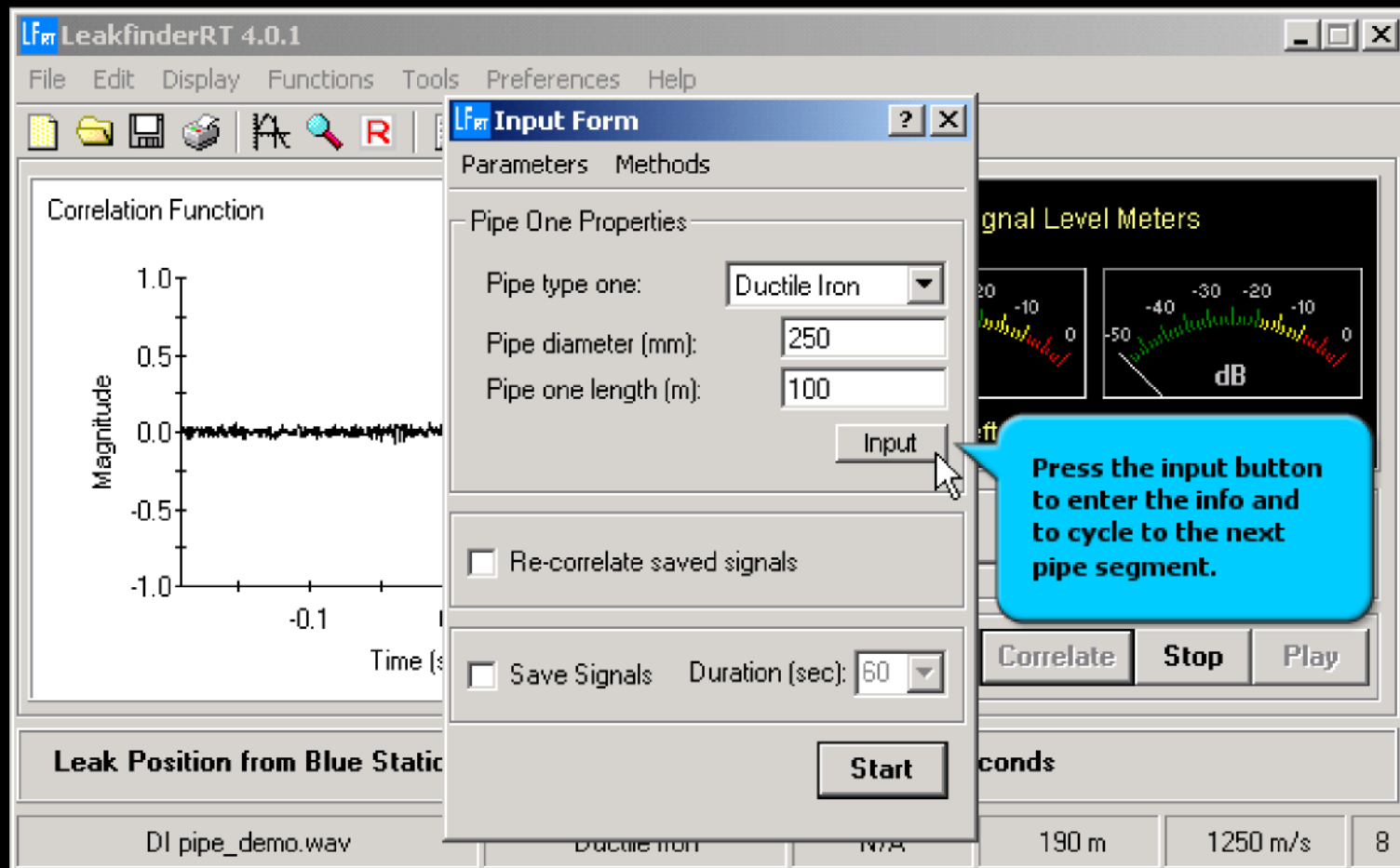
Options for pipe input parameters (multiple pipe materials 2)



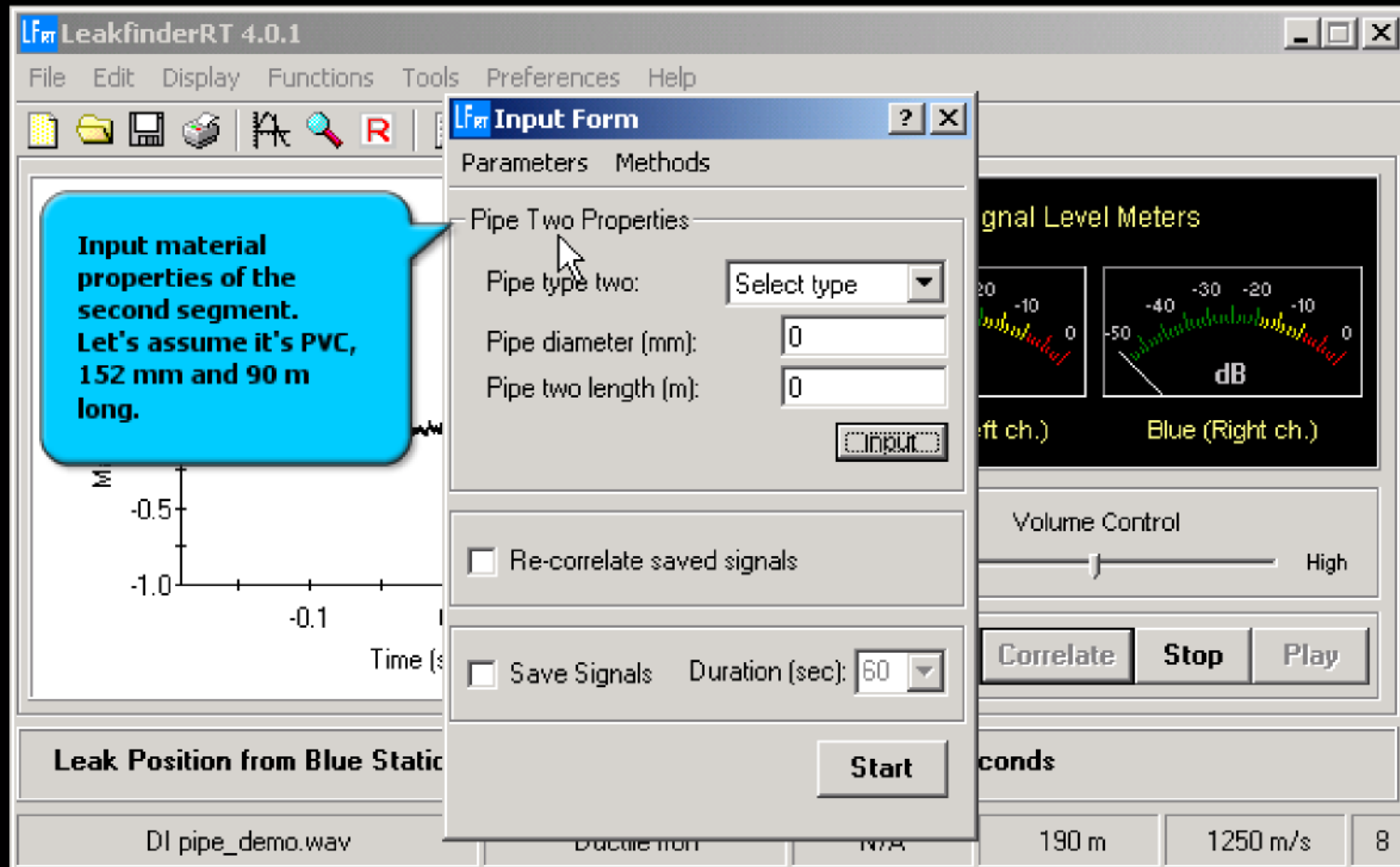
Options for pipe input parameters (multiple pipe materials 3)



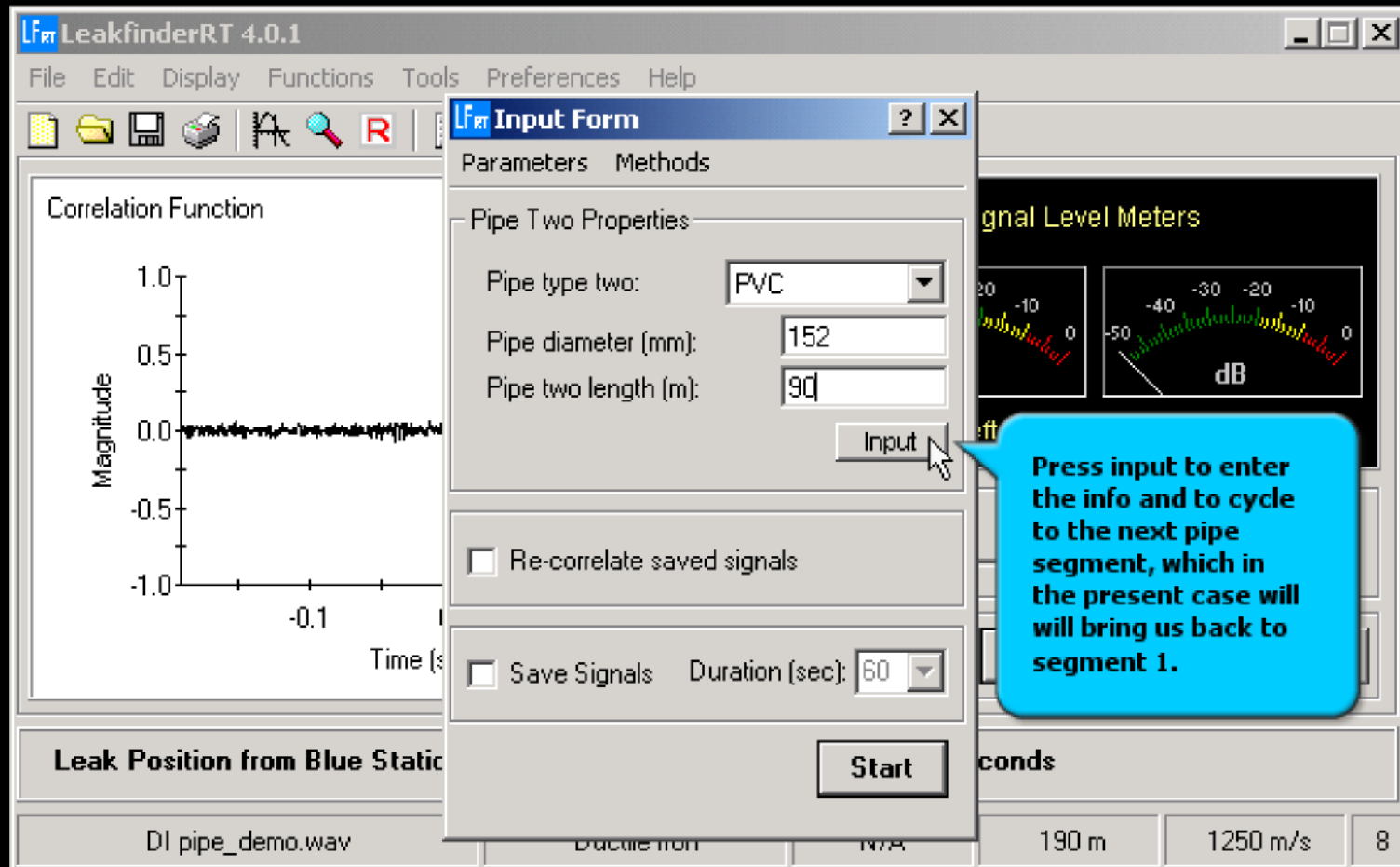
Options for pipe input parameters (multiple pipe materials 4)



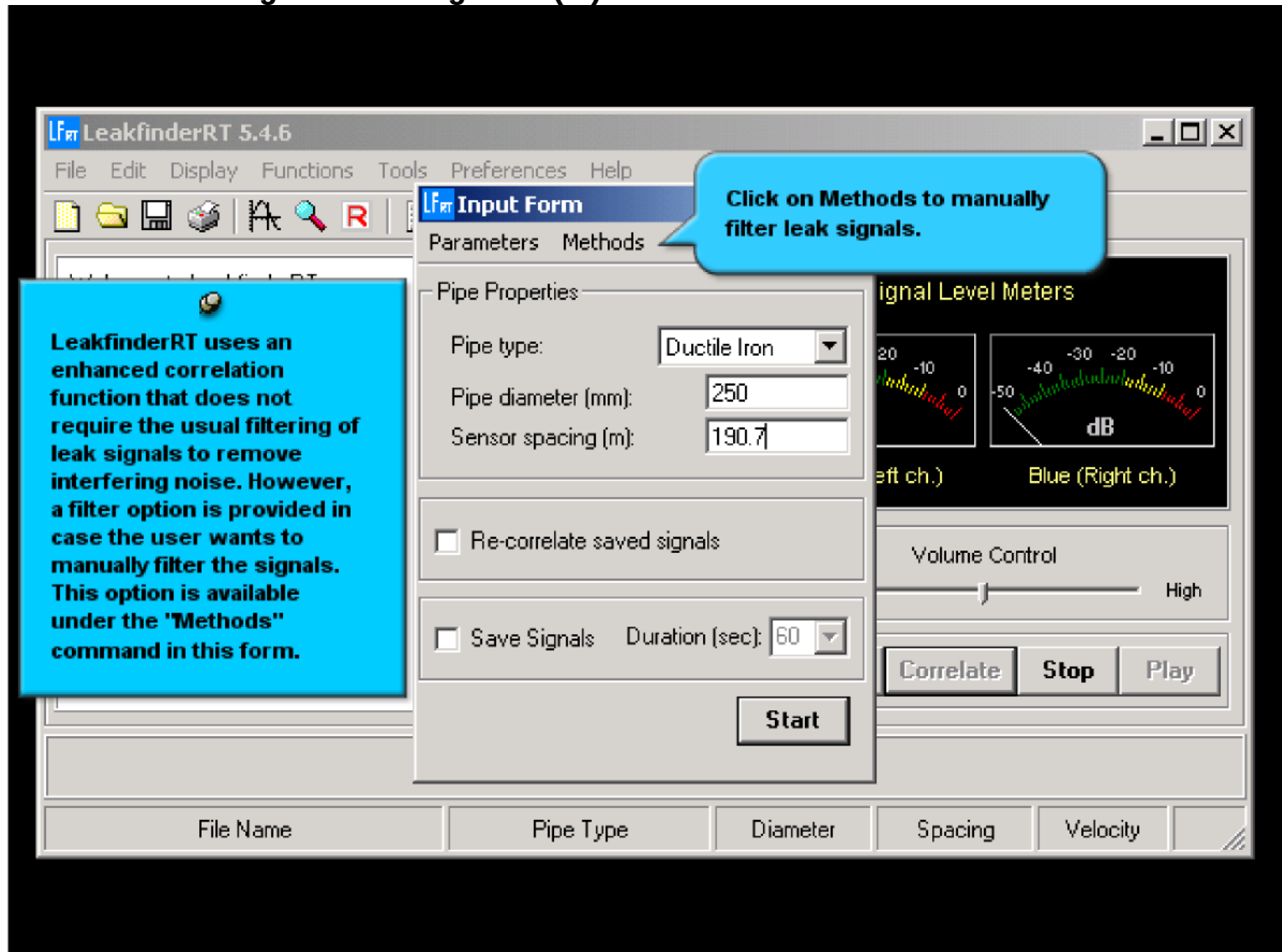
Options for pipe input parameters (multiple pipe materials 5)



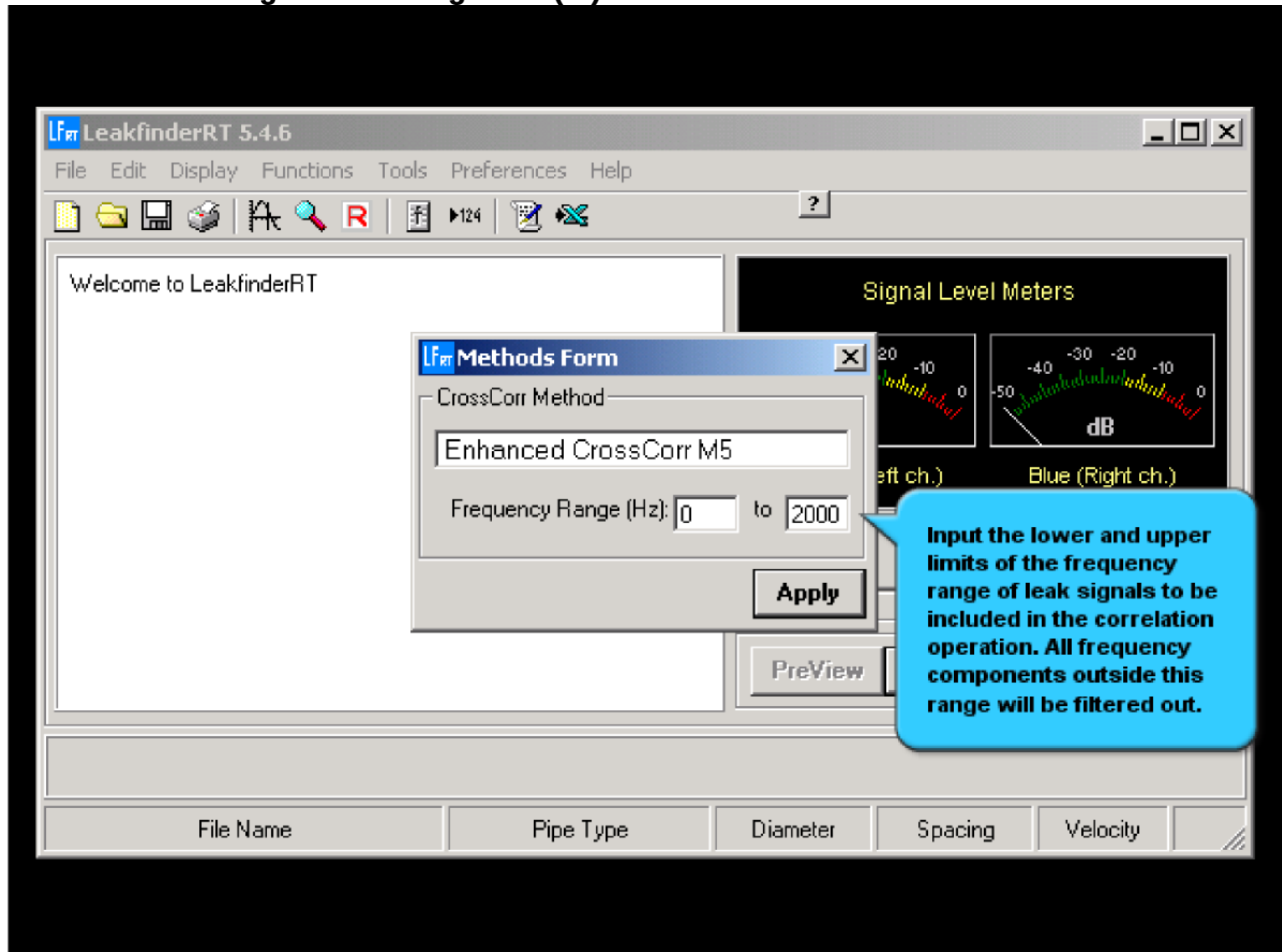
Options for pipe input parameters (multiple pipe materials 6)



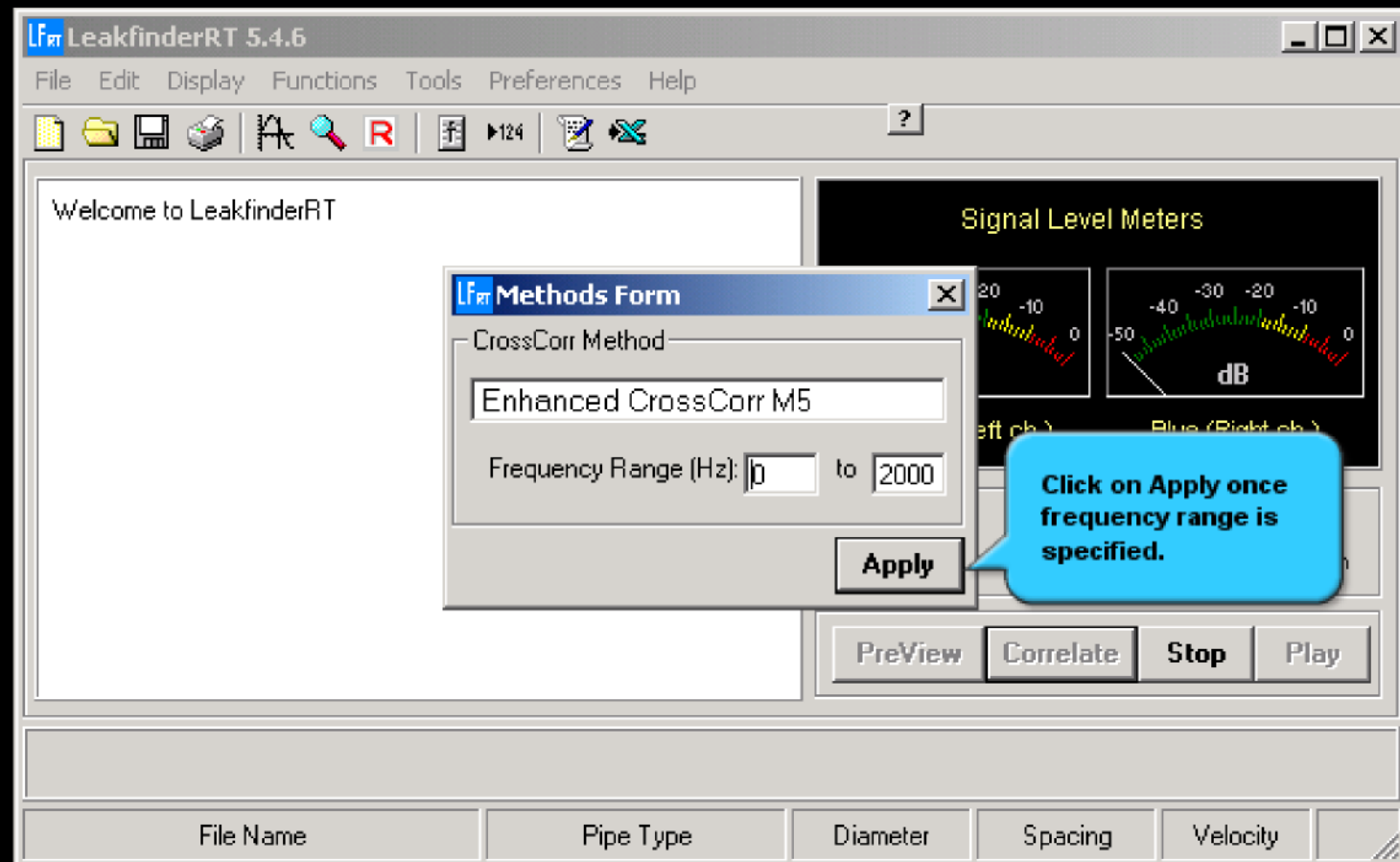
Manual filtering of leak signals (1)



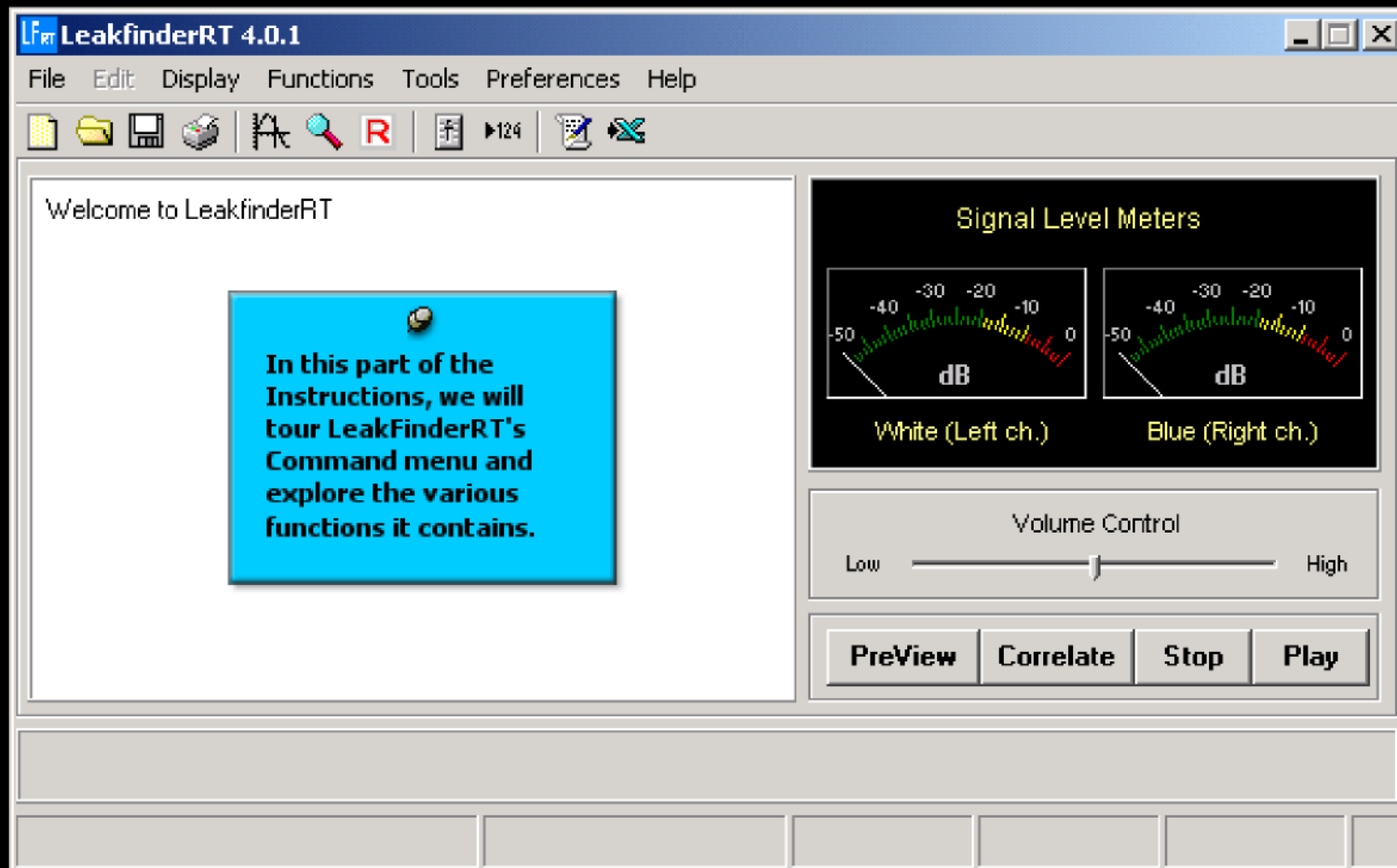
Manual filtering of leak signals (2)



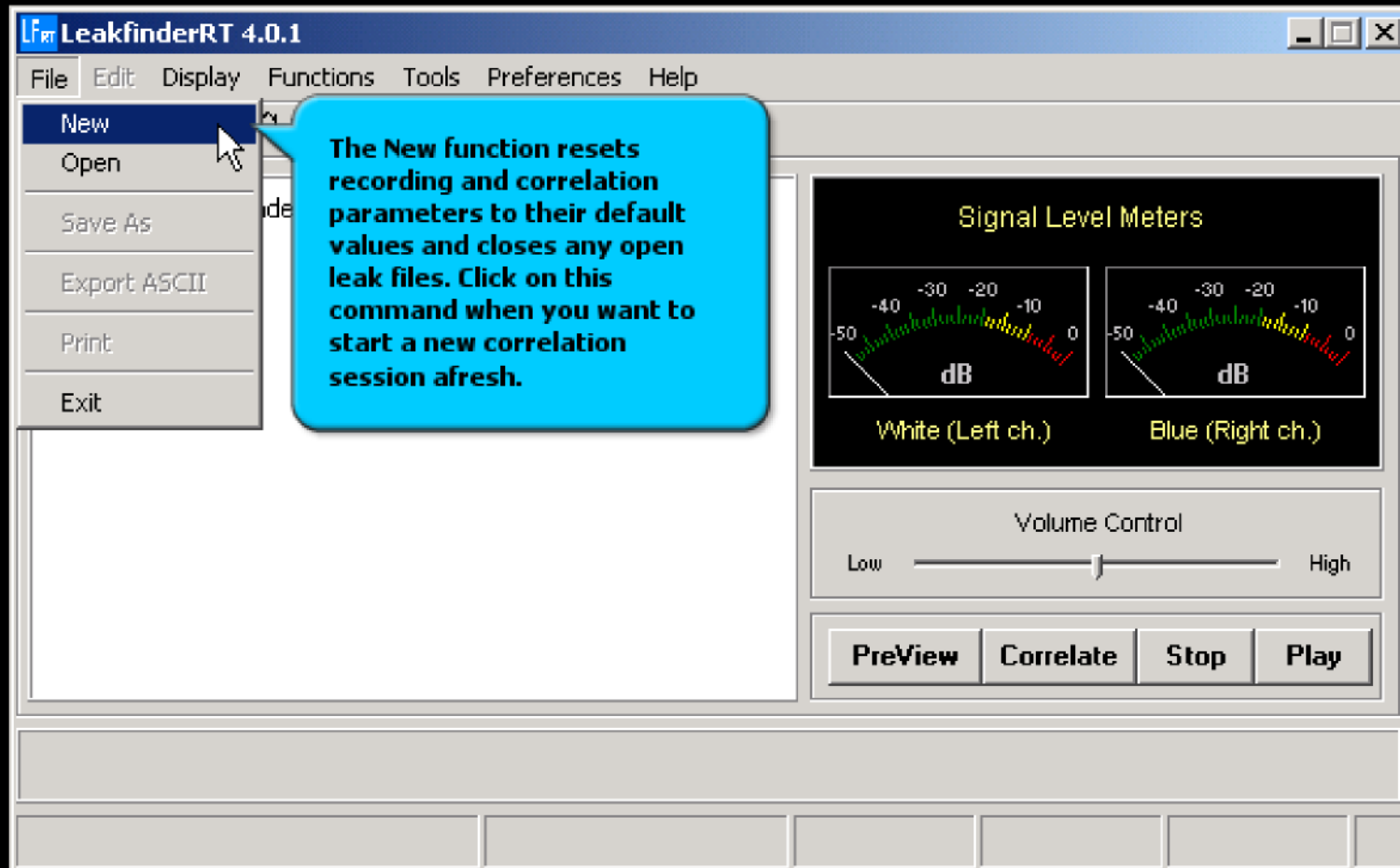
Manual filtering of leak signals (3)



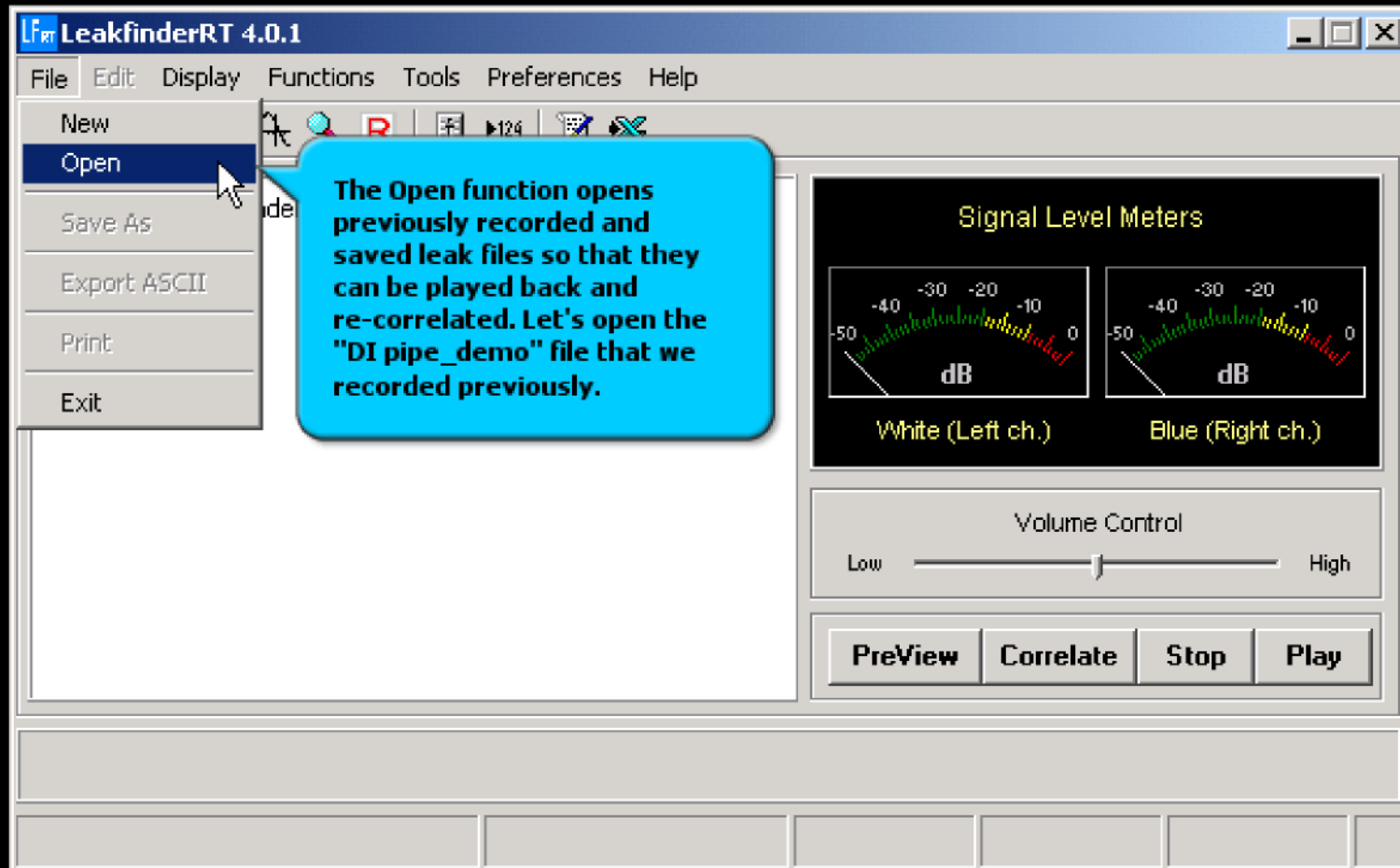
Command menus



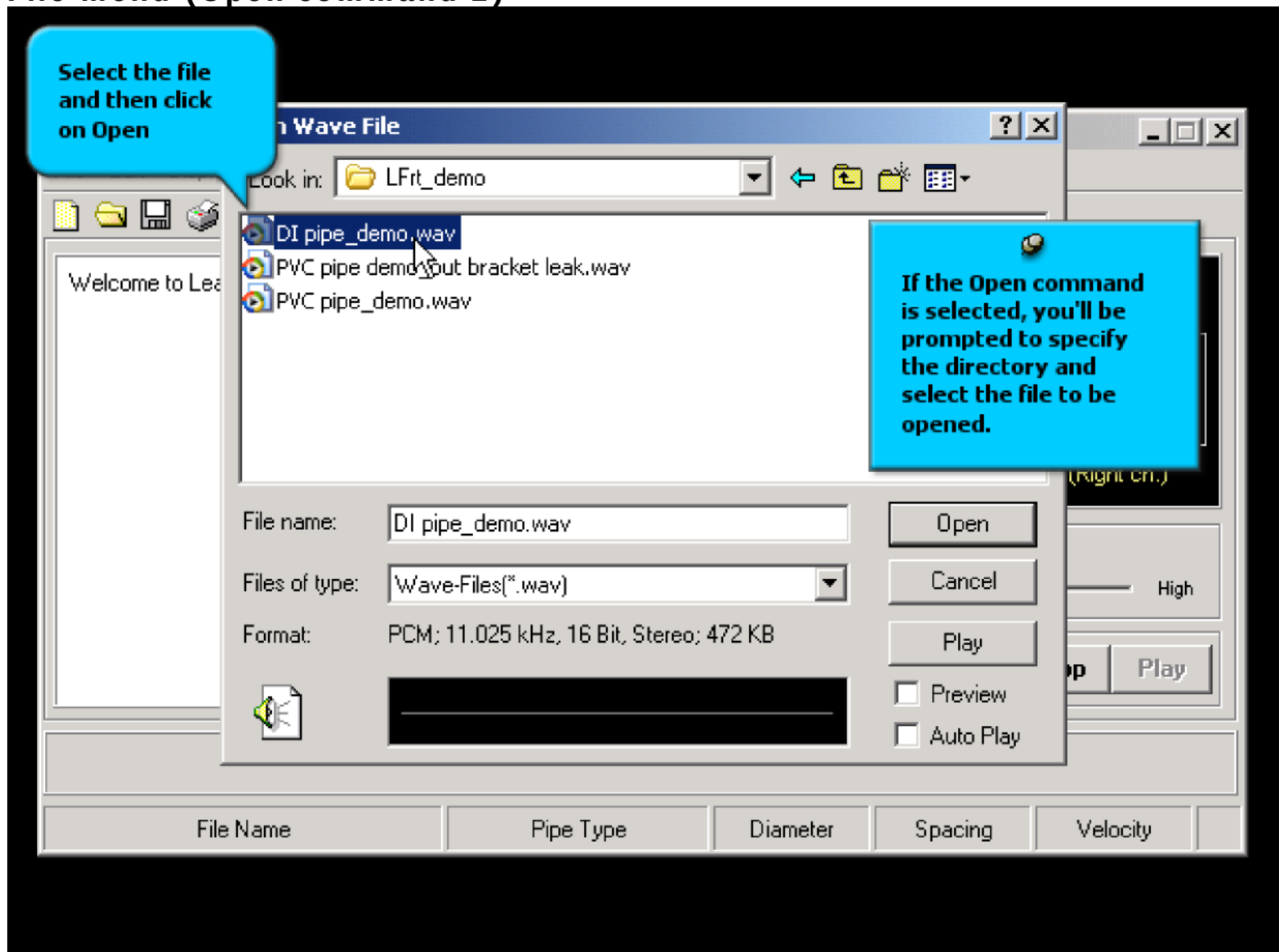
File menu (New command)



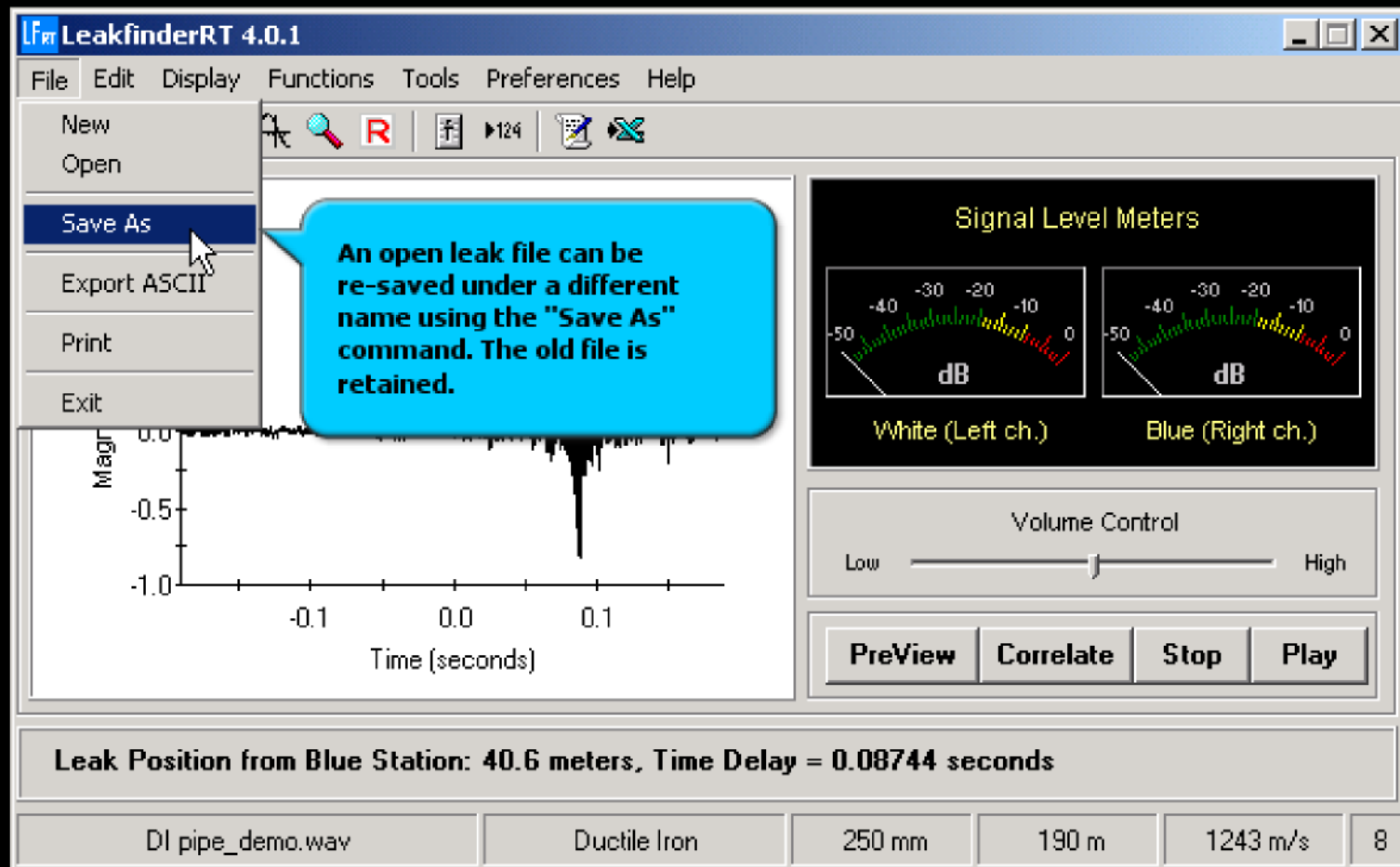
File menu (Open command 1)



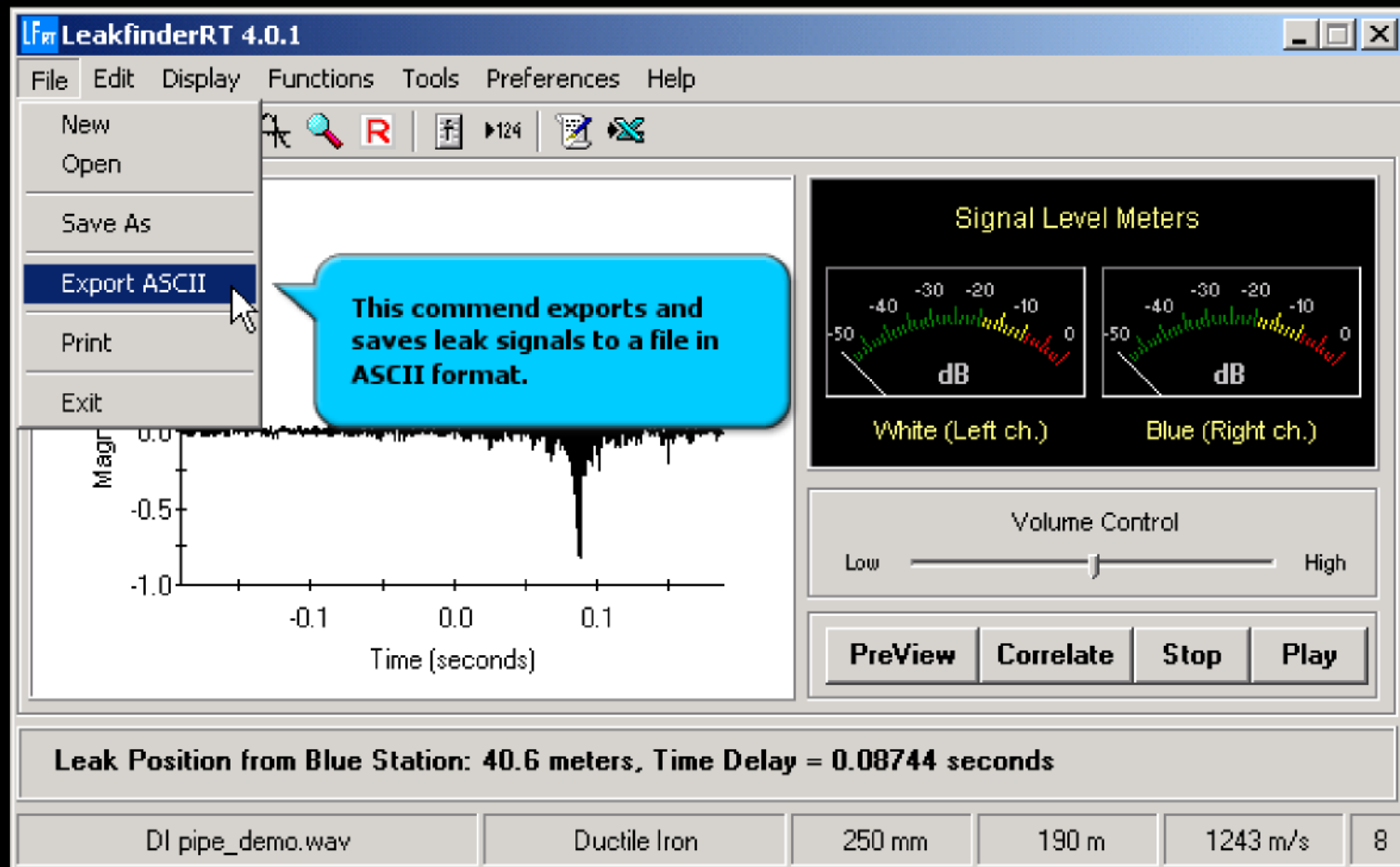
File menu (Open command 2)



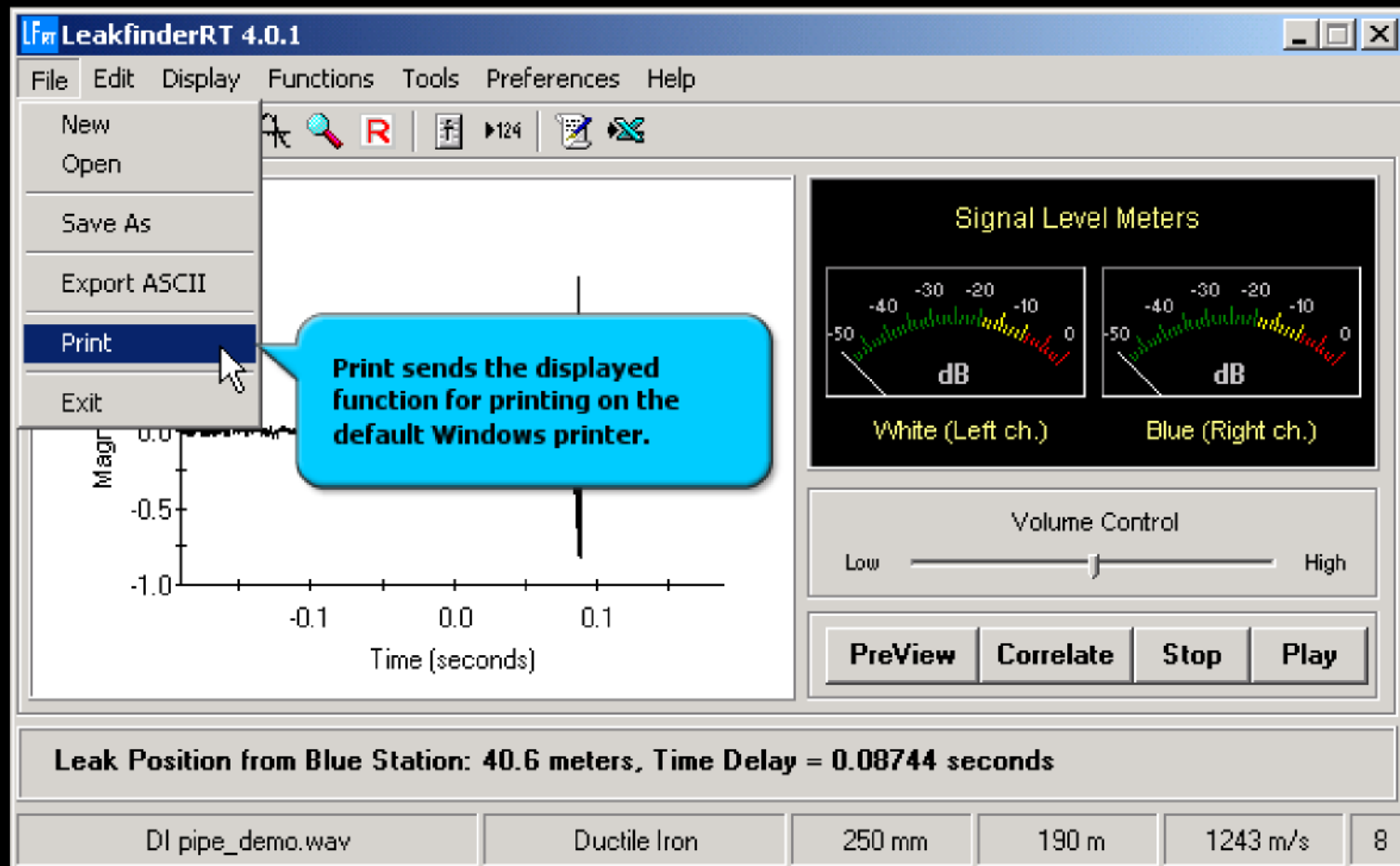
File menu (Save As command)



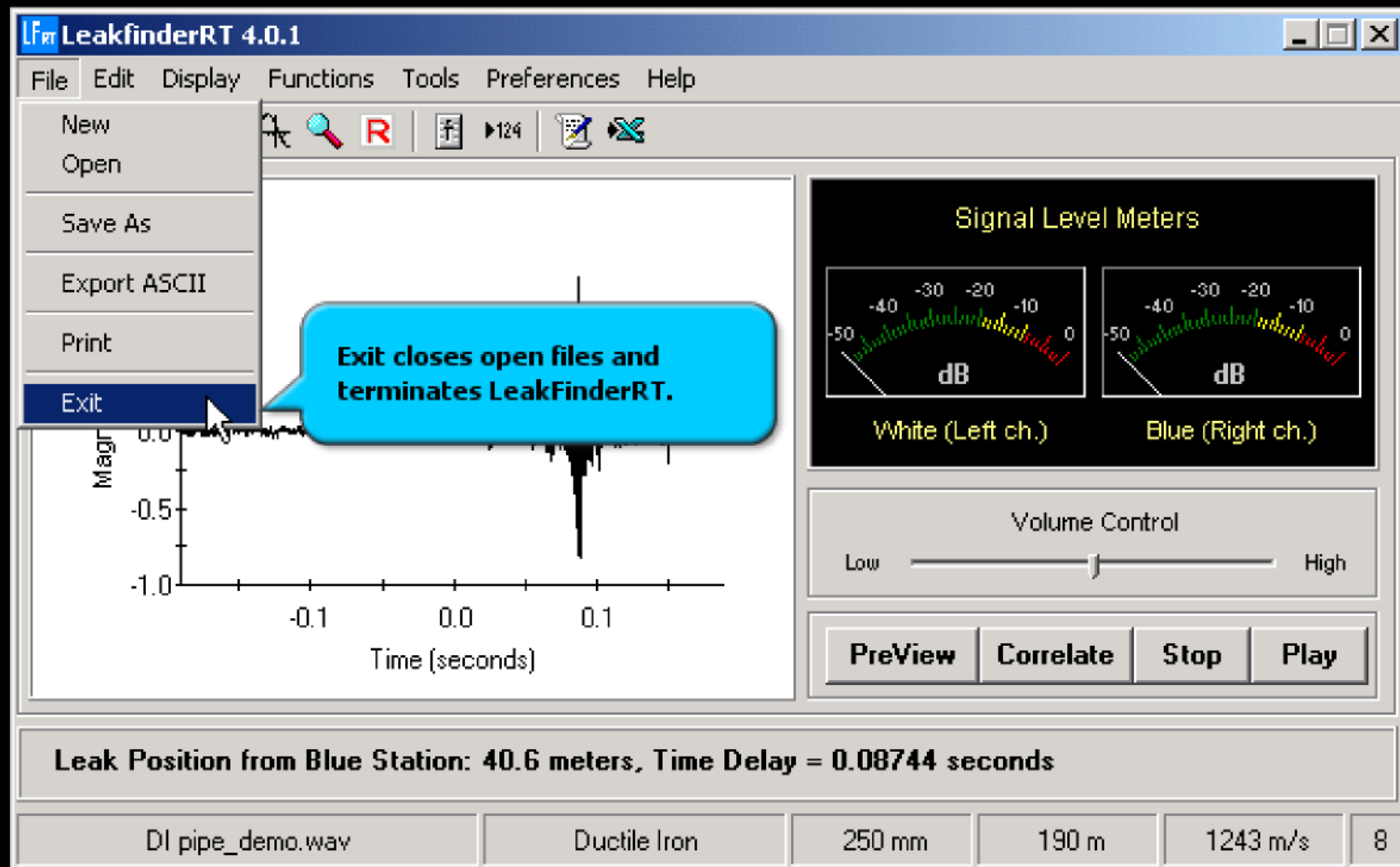
File menu (Export ASCII command)



File menu (Print command)



File menu (Exit command)



Edit menu (Copy command)

The screenshot displays the LeakfinderRT 4.0.3 software interface. The 'Edit' menu is open, and the 'Copy' option is highlighted. A blue callout box explains: 'The copy function copies the graph in the display window to Windows clipboard for pasting in other applications, e.g., Word or Excel.'

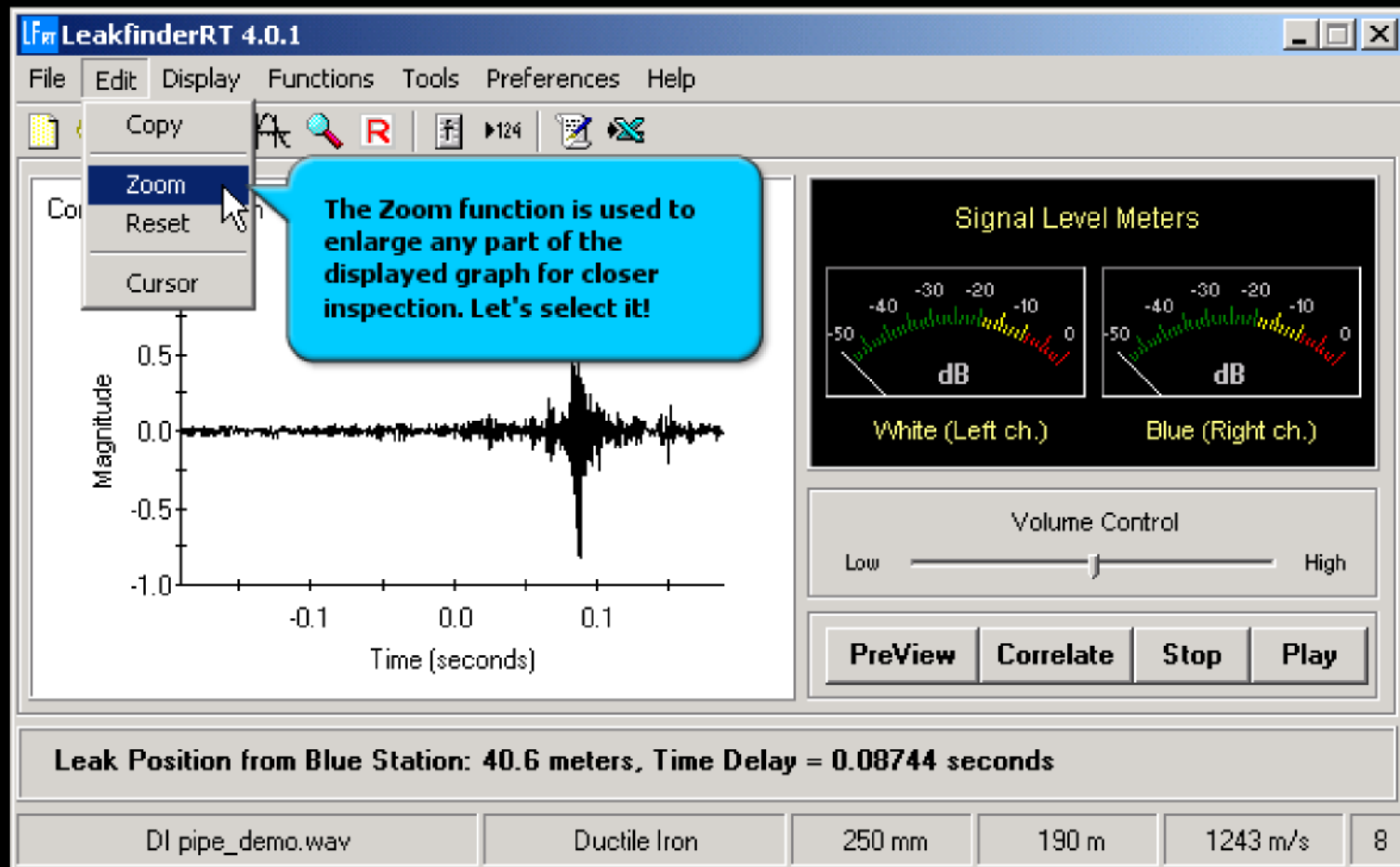
The main display window shows a graph of Magnitude (Y-axis, ranging from -1.0 to 0.5) versus Time (seconds) (X-axis, ranging from -0.1 to 0.1). The graph shows a sharp peak at approximately 0.08 seconds.

On the right side, there are two 'Signal Level Meters' for 'White (Left ch.)' and 'Blue (Right ch.)', both showing dB levels. Below these is a 'Volume Control' slider ranging from 'Low' to 'High'. At the bottom of the right panel are buttons for 'PreView', 'Correlate', 'Stop', and 'Play'.

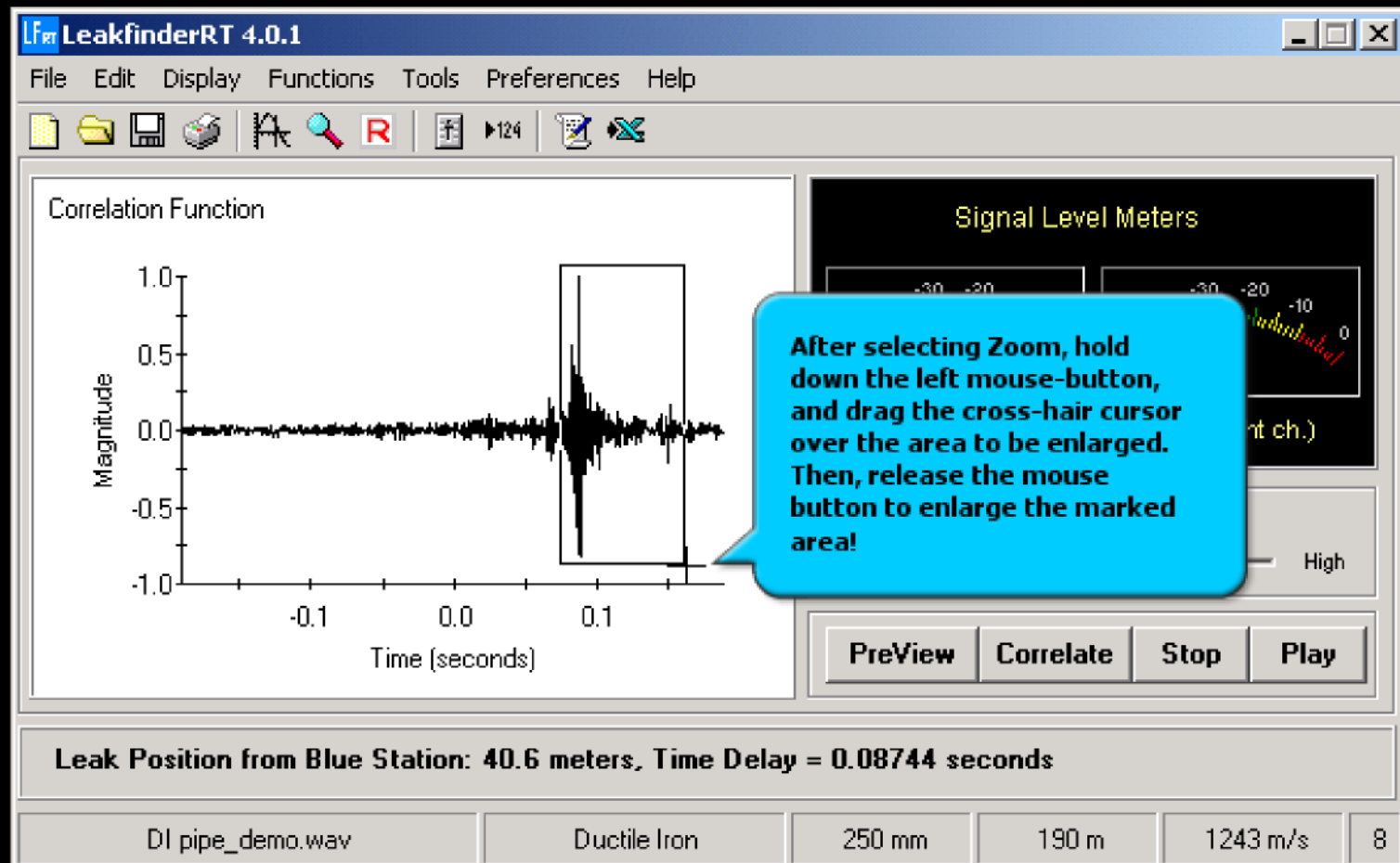
At the bottom of the interface, a status bar displays: 'Leak Position from Blue Station: 40.6 meters, Time Delay = 0.08744 seconds'. Below this is a table of parameters:

DI pipe_demo.wav	Ductile Iron	250 mm	190 m	1243 m/s	8
------------------	--------------	--------	-------	----------	---

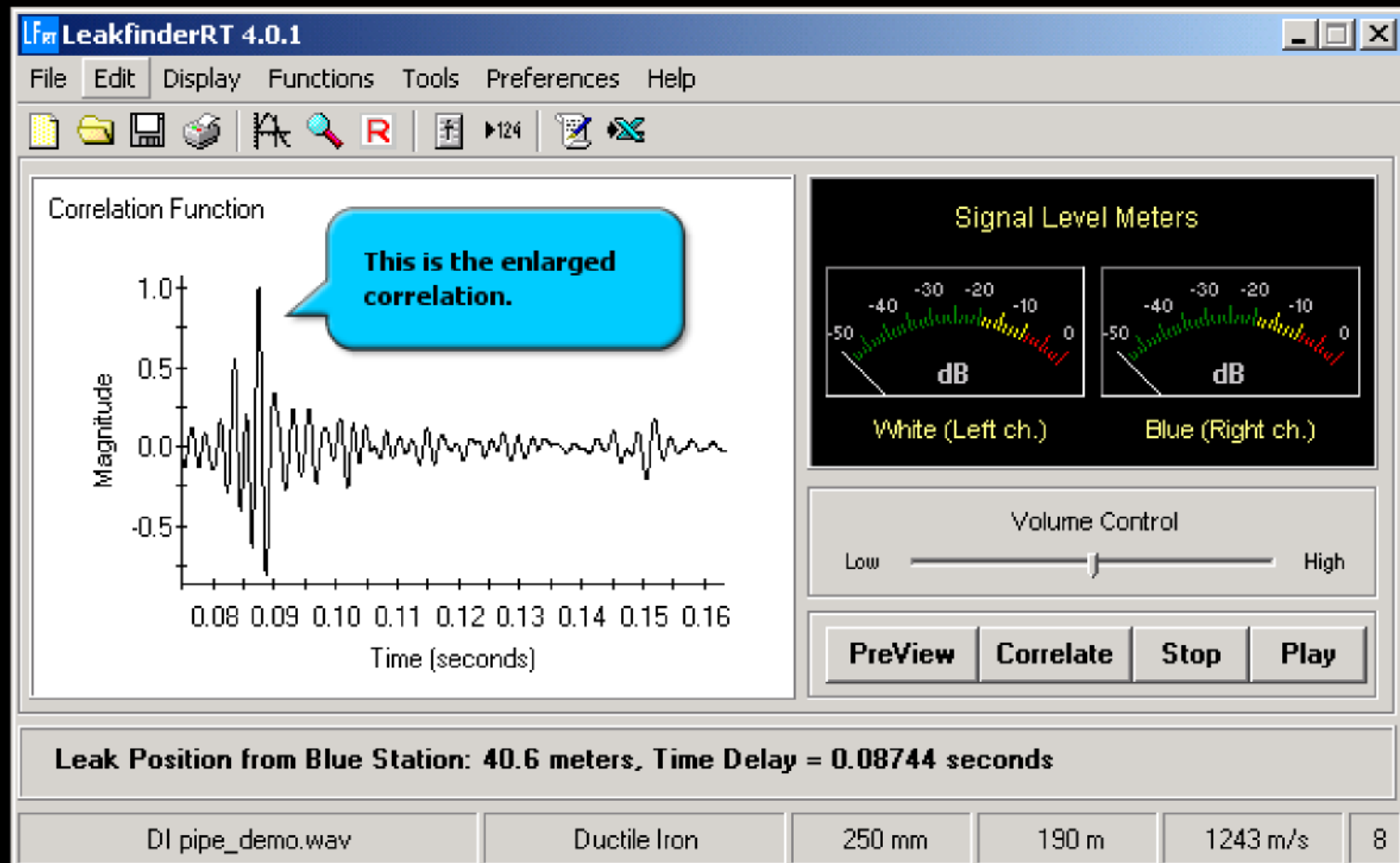
Edit menu (Zoom command 1)



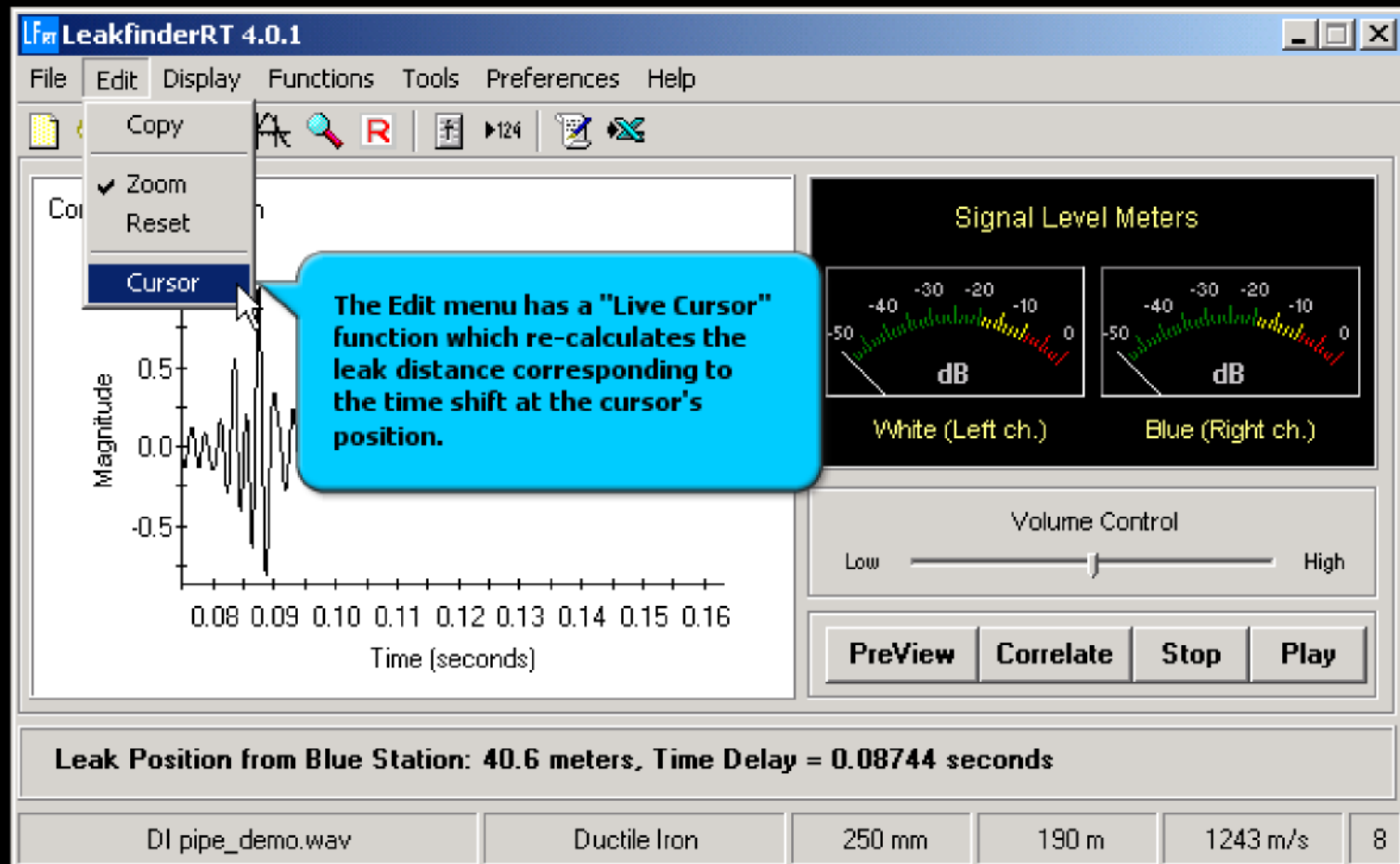
Edit menu (Zoom command 2)



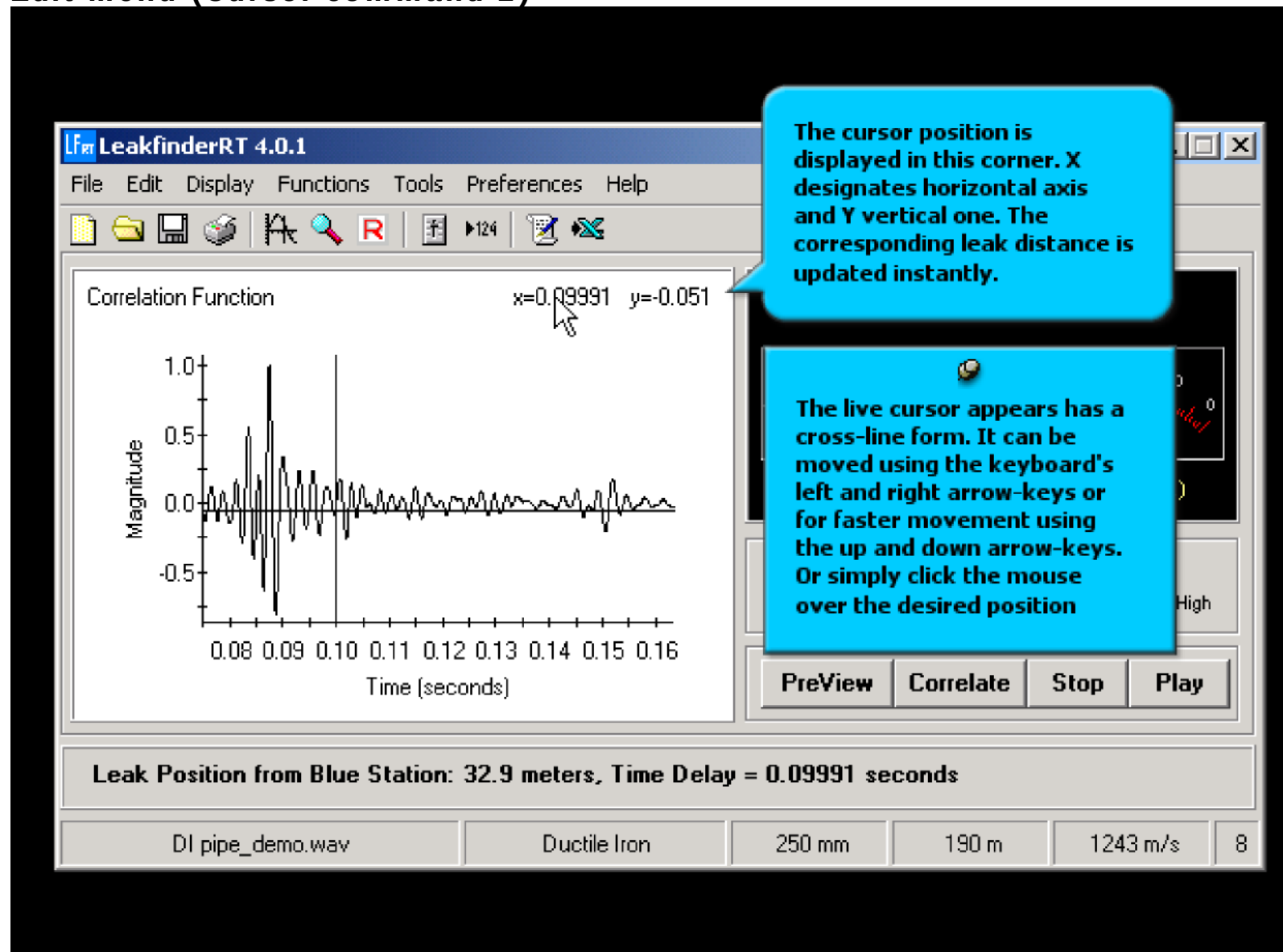
Edit menu (Zoom command 3)



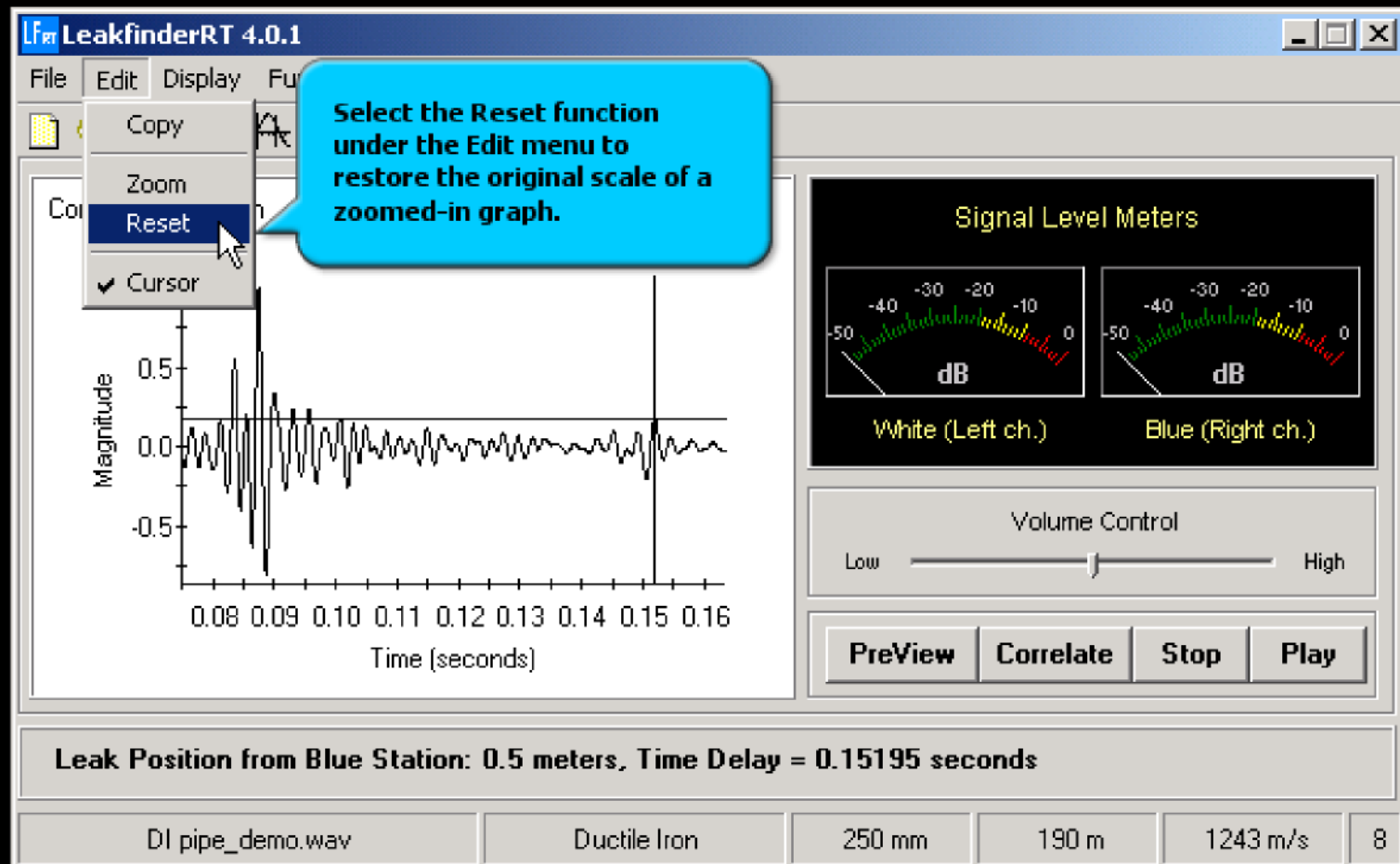
Edit menu (Cursor command 1)



Edit menu (Cursor command 2)



Edit menu (Reset command)



Display menu

The screenshot shows the LeakfinderRT 4.0.1 software interface. The **Display** menu is open, showing the following options:

- Blue station time signal
- White station time signal
- Blue station frequency spectrum Ctrl+R
- White station frequency spectrum Ctrl+L
- Coherence function Ctrl+H
- ✓ Correlation function Ctrl+C

A callout box states: "LeakfinderRT provides the option of displaying several other functions in addition to correlation. These include time history, frequency spectra, and coherence function of leak signals. This option is available under the Display menu."

The main display area shows a graph of **Magnitude** vs **Time (seconds)**. The graph displays a correlation function with a sharp peak at approximately 0.08744 seconds. The y-axis ranges from -1.0 to 1.0, and the x-axis ranges from -0.1 to 0.1.

On the right side, there are two dB meters labeled **White (Left ch.)** and **Blue (Right ch.)**. Below them is a **Volume Control** slider ranging from **Low** to **High**. At the bottom right are buttons for **PreView**, **Correlate**, **Stop**, and **Play**.

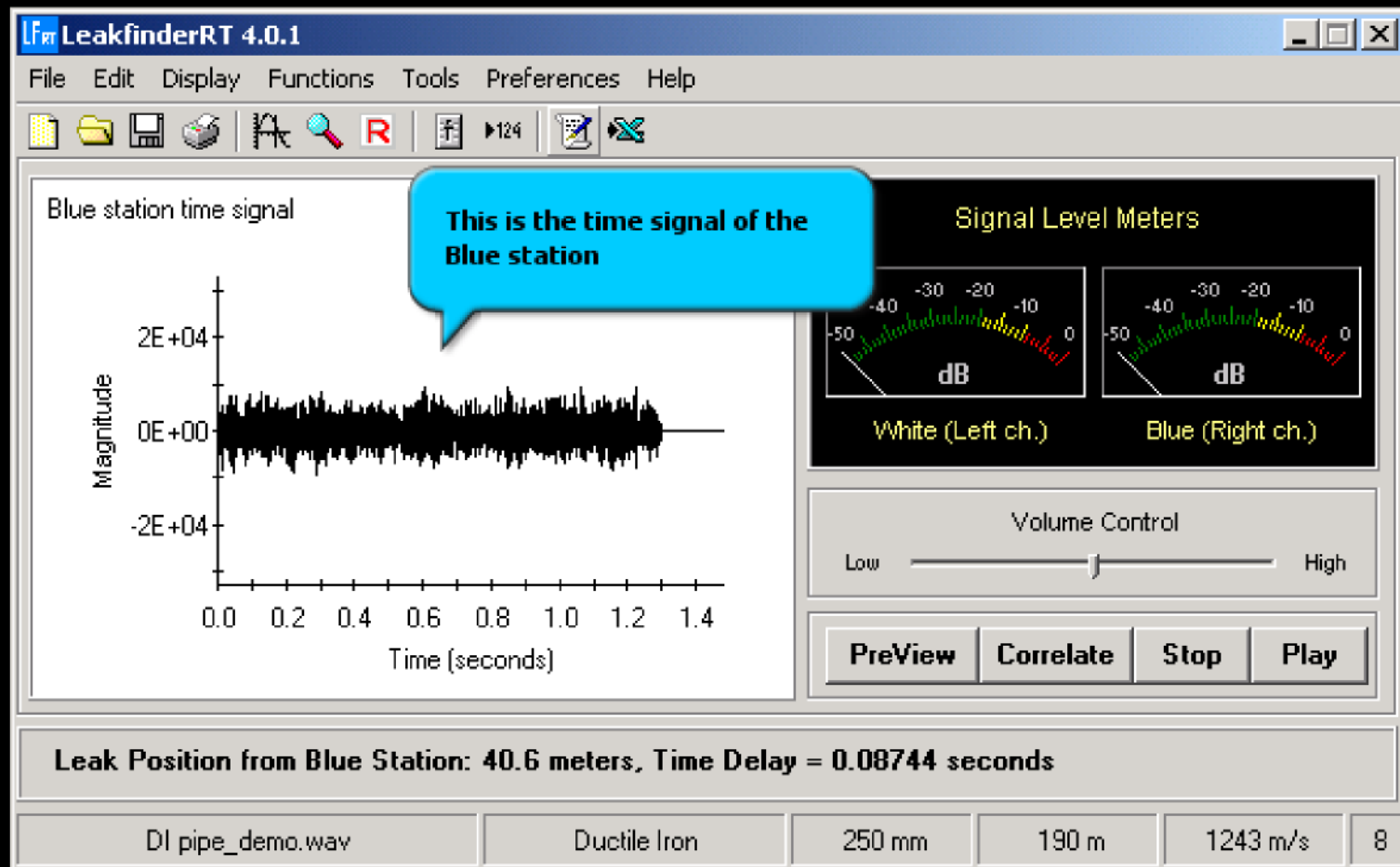
At the bottom of the interface, a status bar displays the following information:

Leak Position from Blue Station: 40.6 meters, Time Delay = 0.08744 seconds

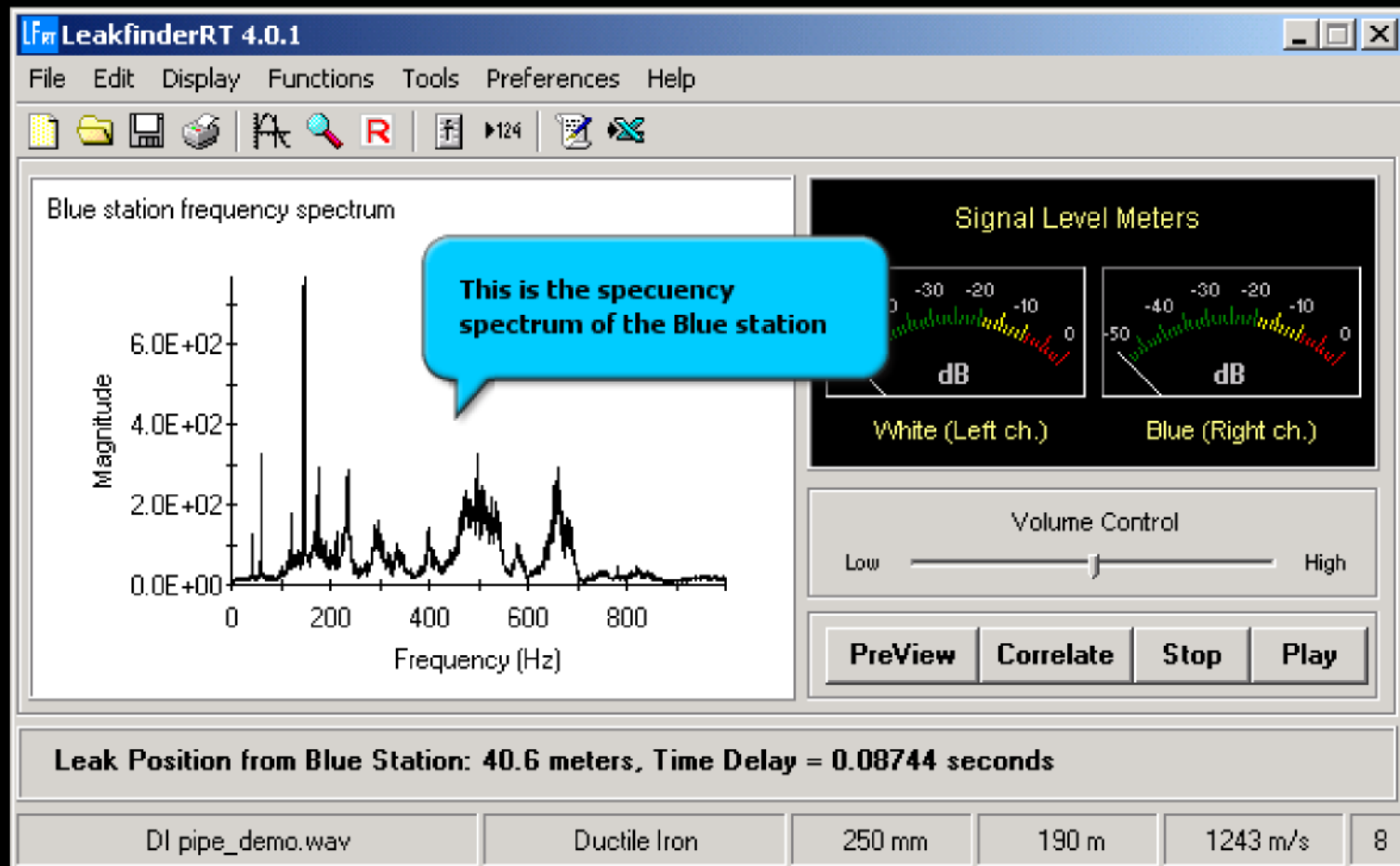
Below the status bar, there are input fields for:

- File: DI pipe_demo.wav
- Material: Ductile Iron
- Pipe Diameter: 250 mm
- Pipe Length: 190 m
- Wave Speed: 1243 m/s
- Channel: 8

Display menu (Time signal)



Display menu (Frequency spectrum)



Display menu (Coherence function)

