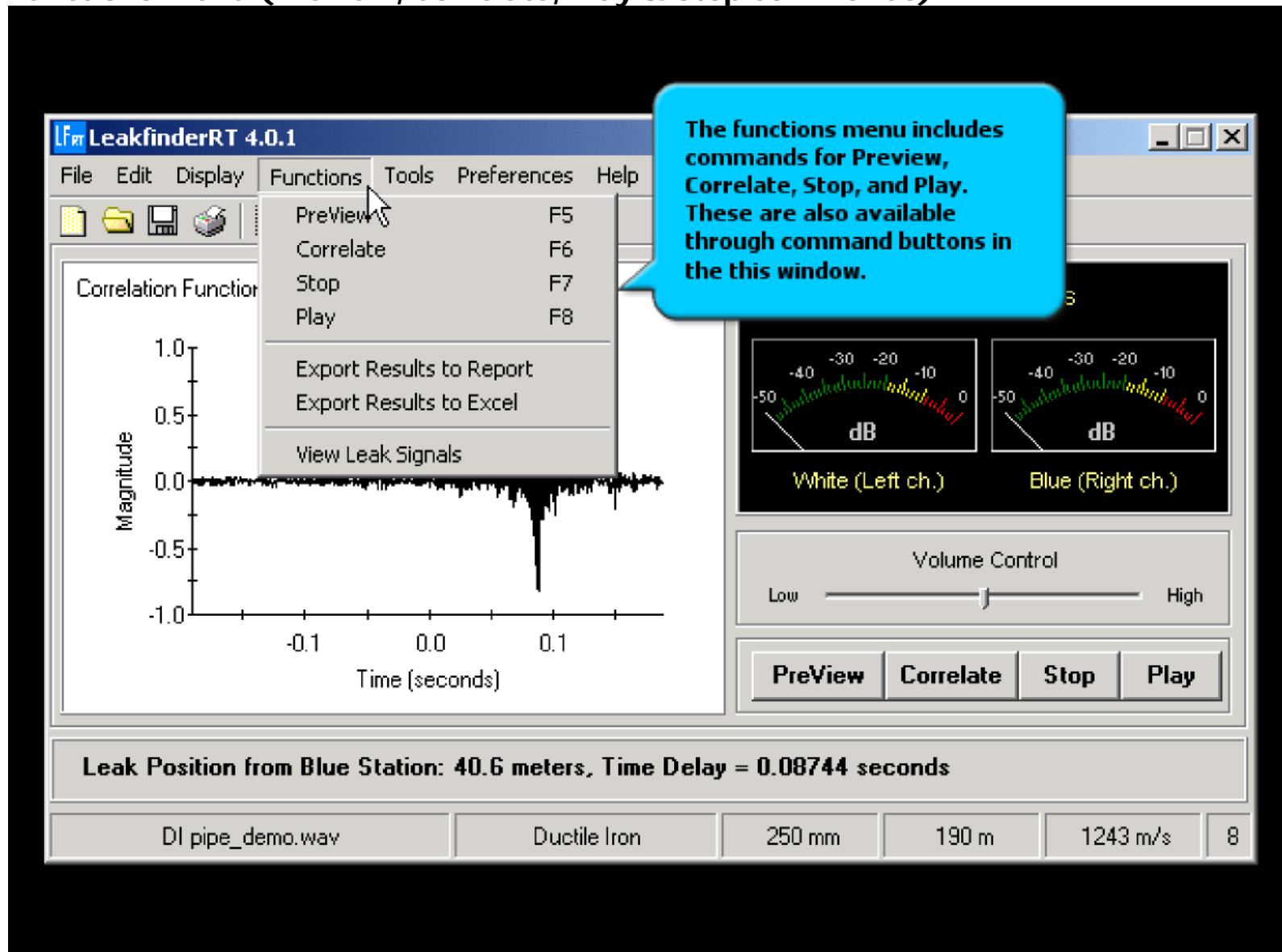
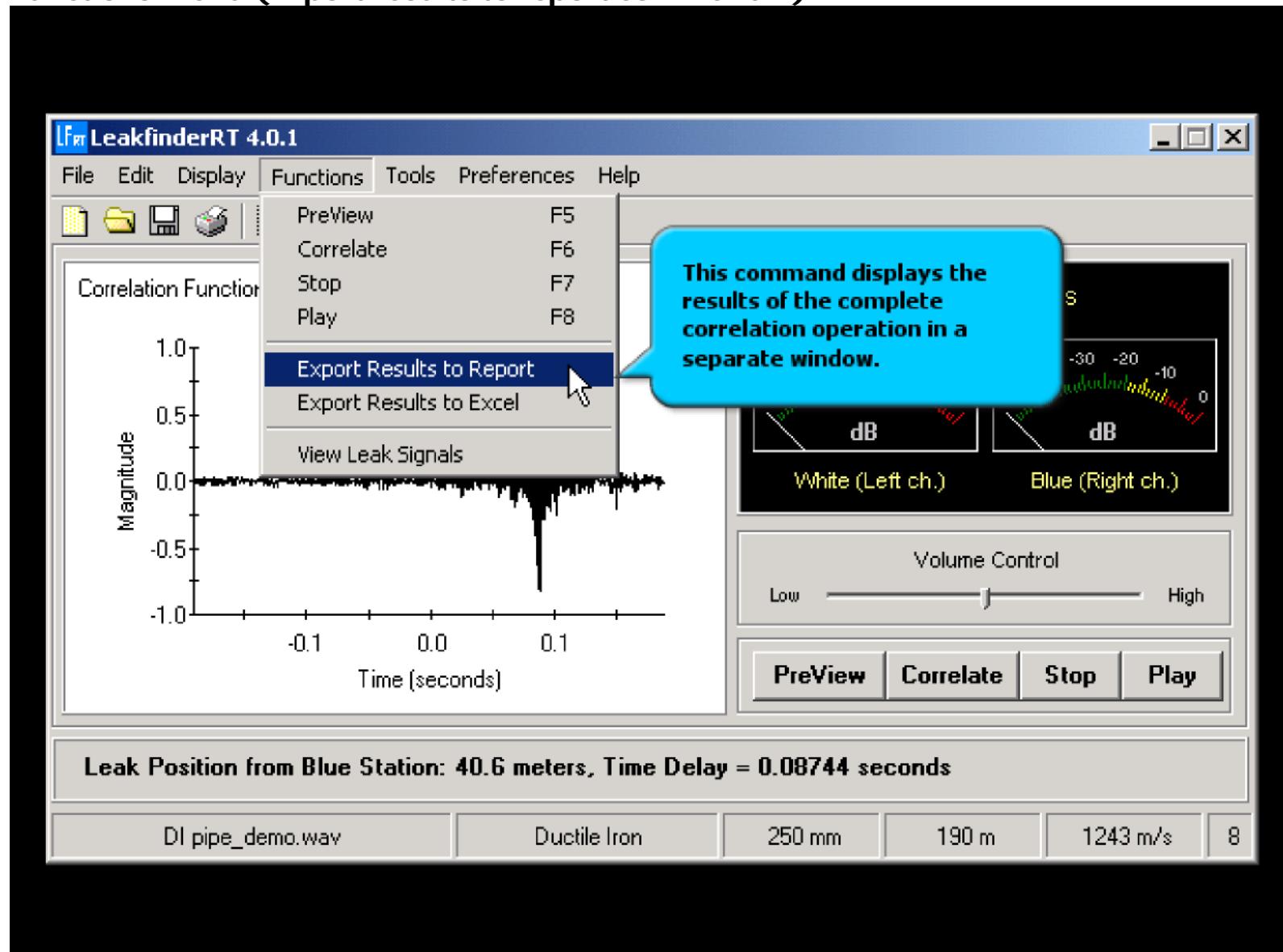


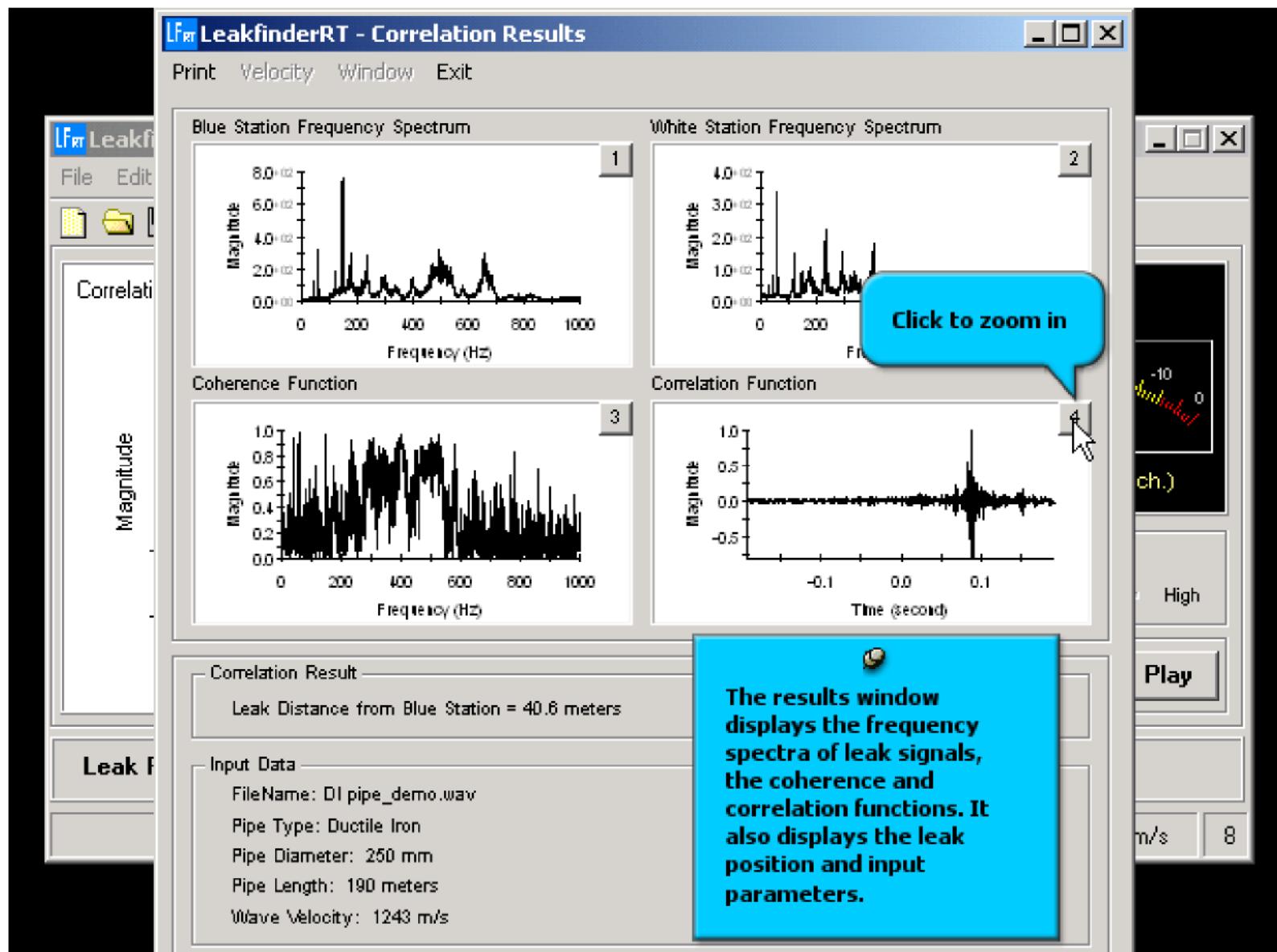
## Functions menu (Preview, Correlate, Play & Stop commands)



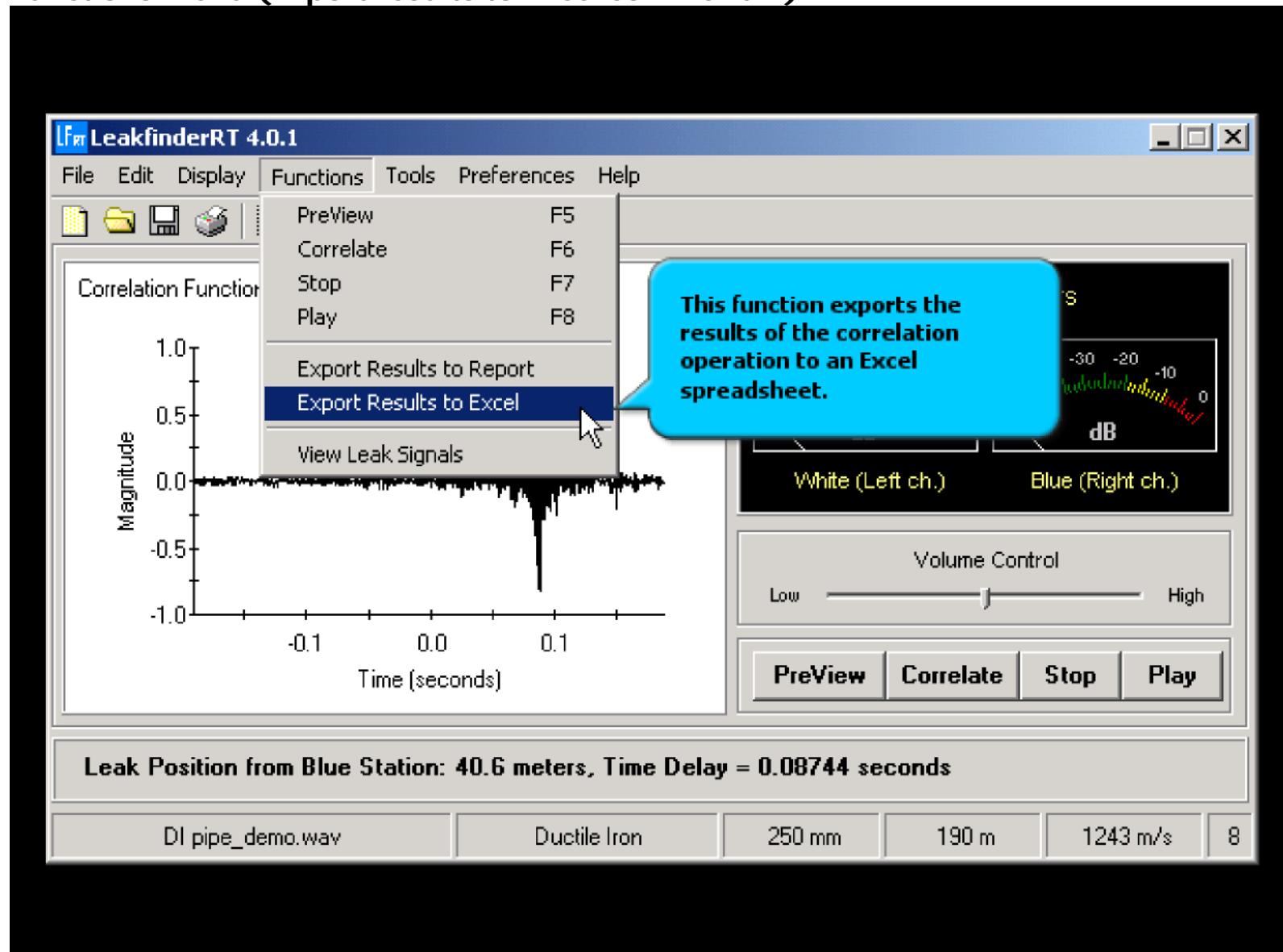
## Functions menu (Export results to report command 1)



## Functions menu (Export results to report command 2)



## Functions menu (Export results to Excel command 1)



## Functions menu (Export results to Excel command 2)

Microsoft Excel - tempLFRTReport.xls

File Edit View Insert Format Tools Data Window Help

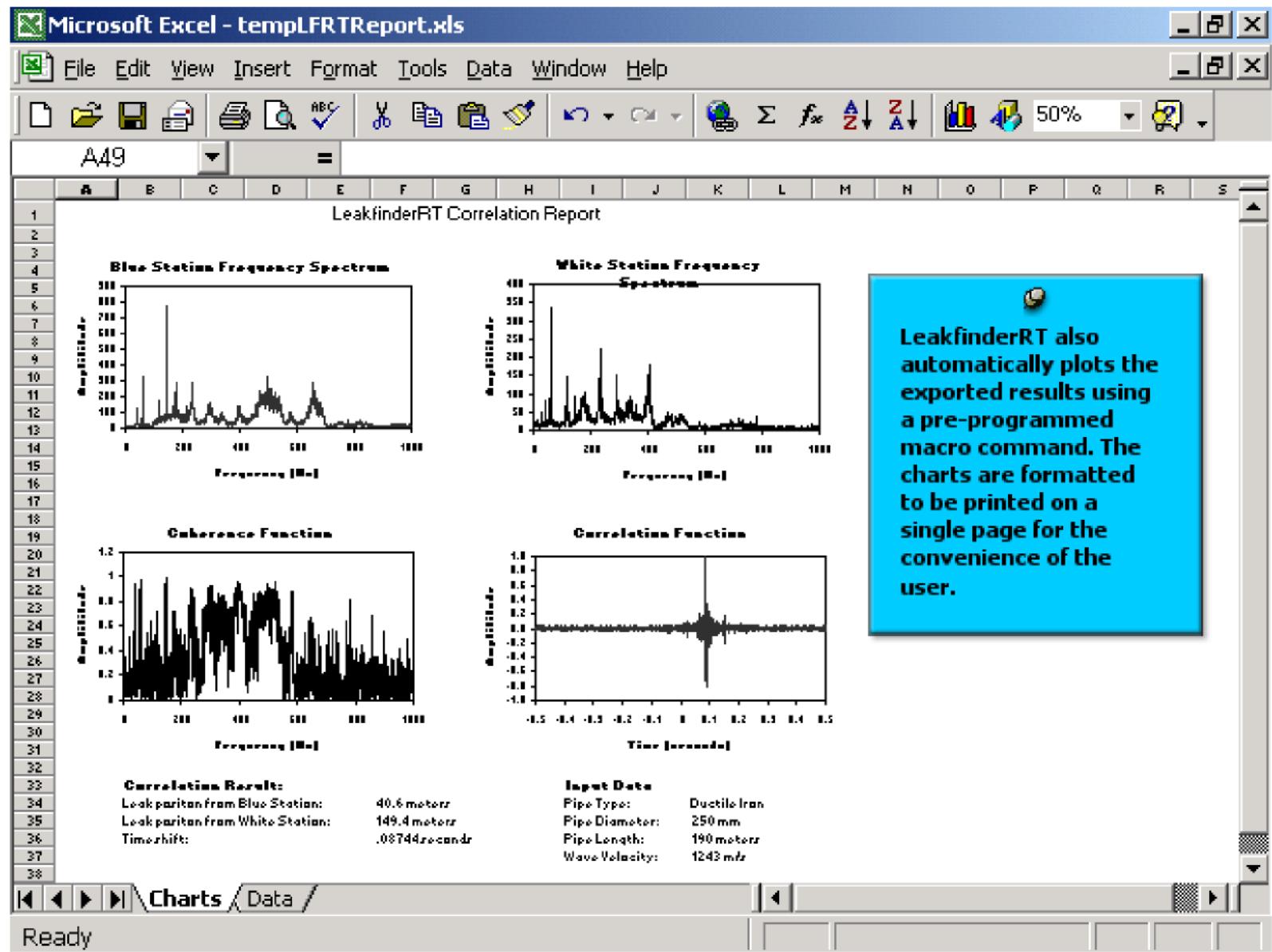
G20 =

	A	B	C	D	E	F
1	LeakfinderRT Correlation Report					
2						
3						
4	Correlation Result:					
5						
6	Leak position from Blue Station:	40.6 meters				
7	Leak position from White Station:	149.4 meters				
8	Time shift:	.08744 seconds				
9	File Name:	DI pipe_demo.wav				
10						
11	Input Data					
12						
13	Pipe Type:	Ductile Iron				
14	Pipe Diameter:	250 mm				
15	Pipe Length:	190 meters				
16	Wave Velocity:	1243 m/s				
17						
18						
19	Frequency (Hz)	Spectrum Blue	Spectrum White	Coherence	Time (seconds)	Correlation
20	0	97.72232811	89.16401253	0.994574561	-0.743038549	2.61E-03
21	0.672912598	16.29823562	14.93429732	0.778089655	-0.742947846	-3.66E-03
22	1.345825195	12.99243192	11.60782631	0.602370214	-0.742857143	-9.59E-03
23	2.018737793	13.46593489	18.60346207	4.95E-01	-0.74276644	-1.46E-02

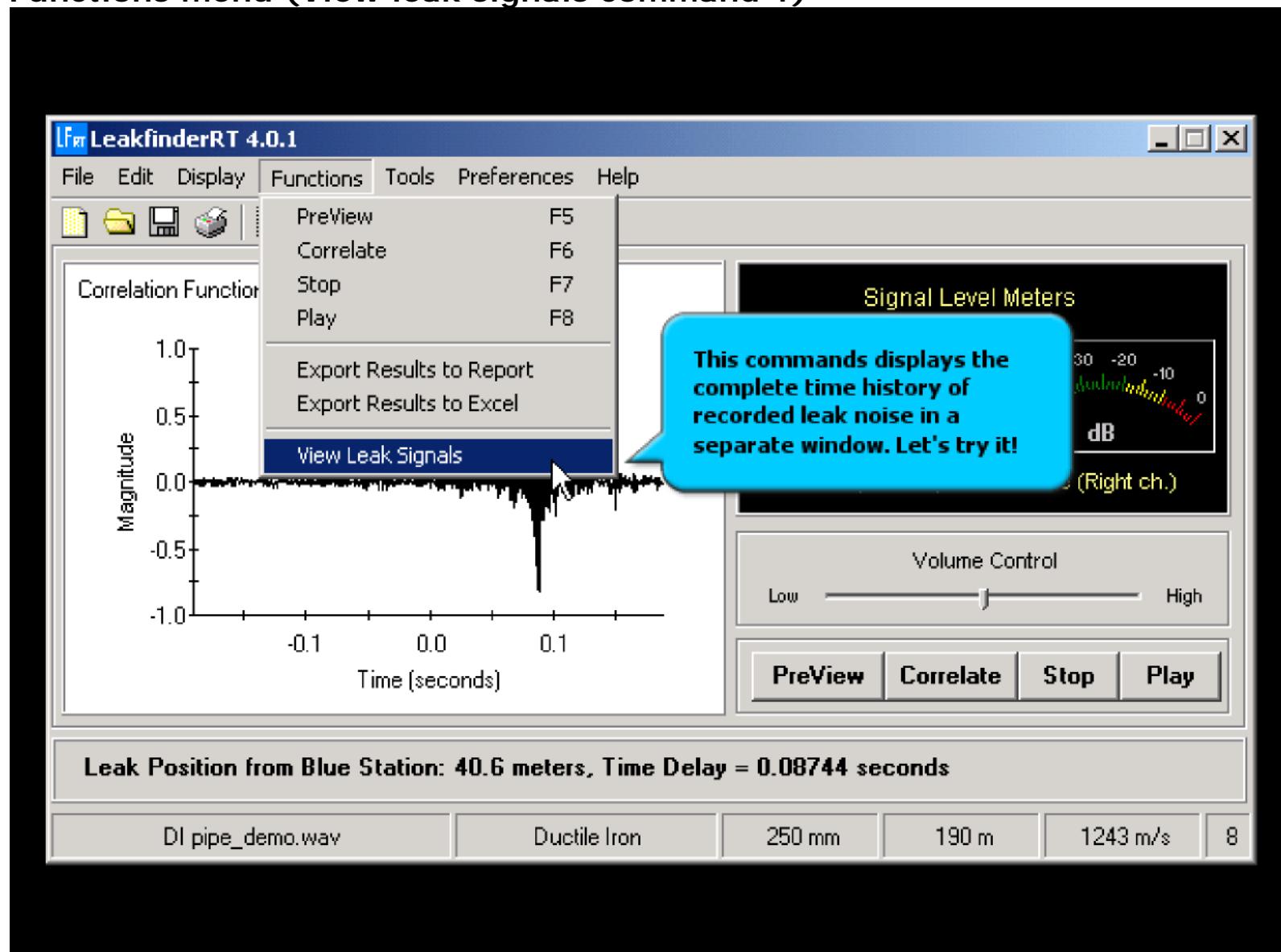
Ready

After exporting the results to Excel, LeakfinderRT opens the spreadsheet automatically. The user can copy the data and paste or plot it in other applications.

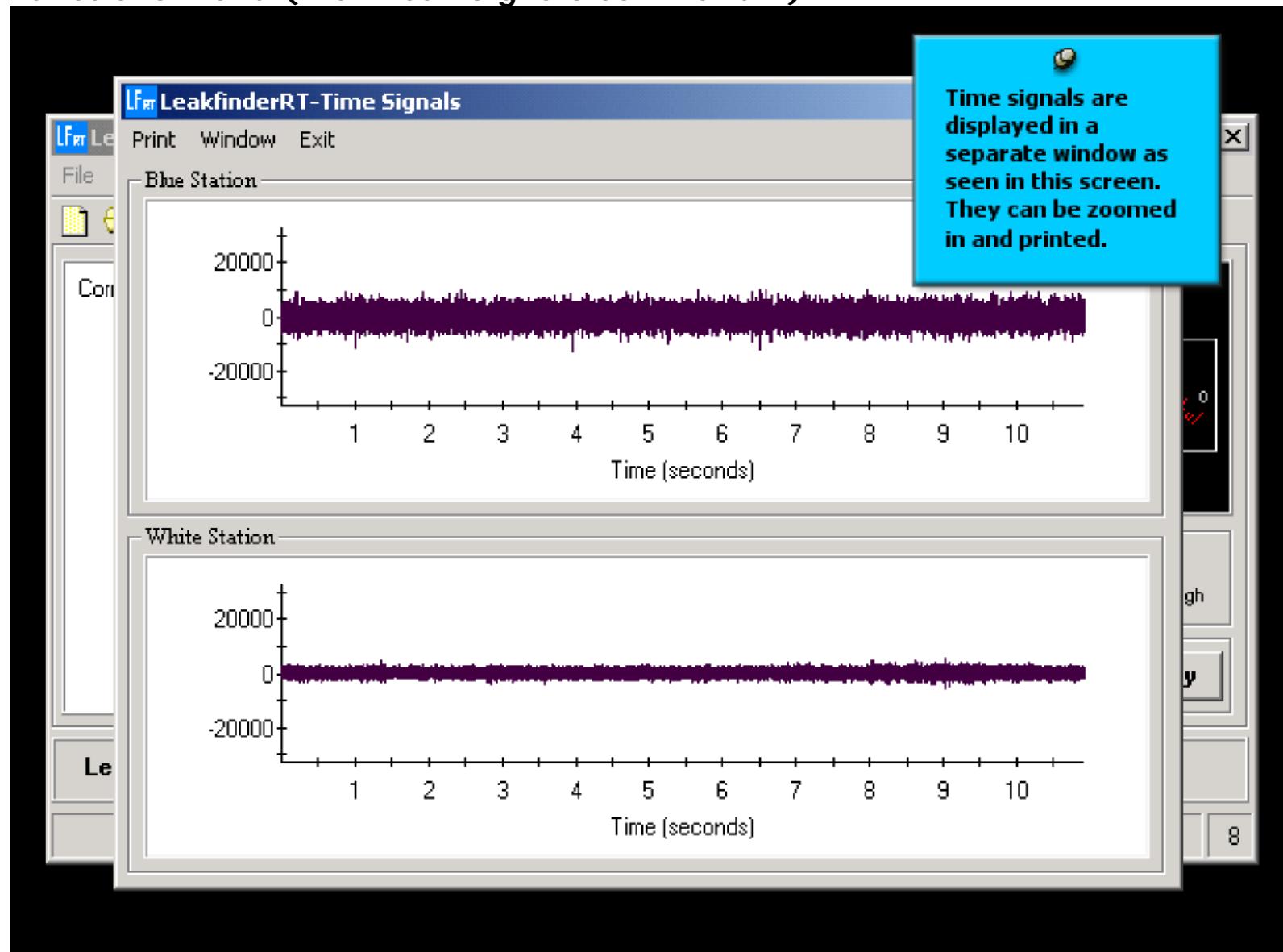
## Functions menu (Export results to Excel command 3)



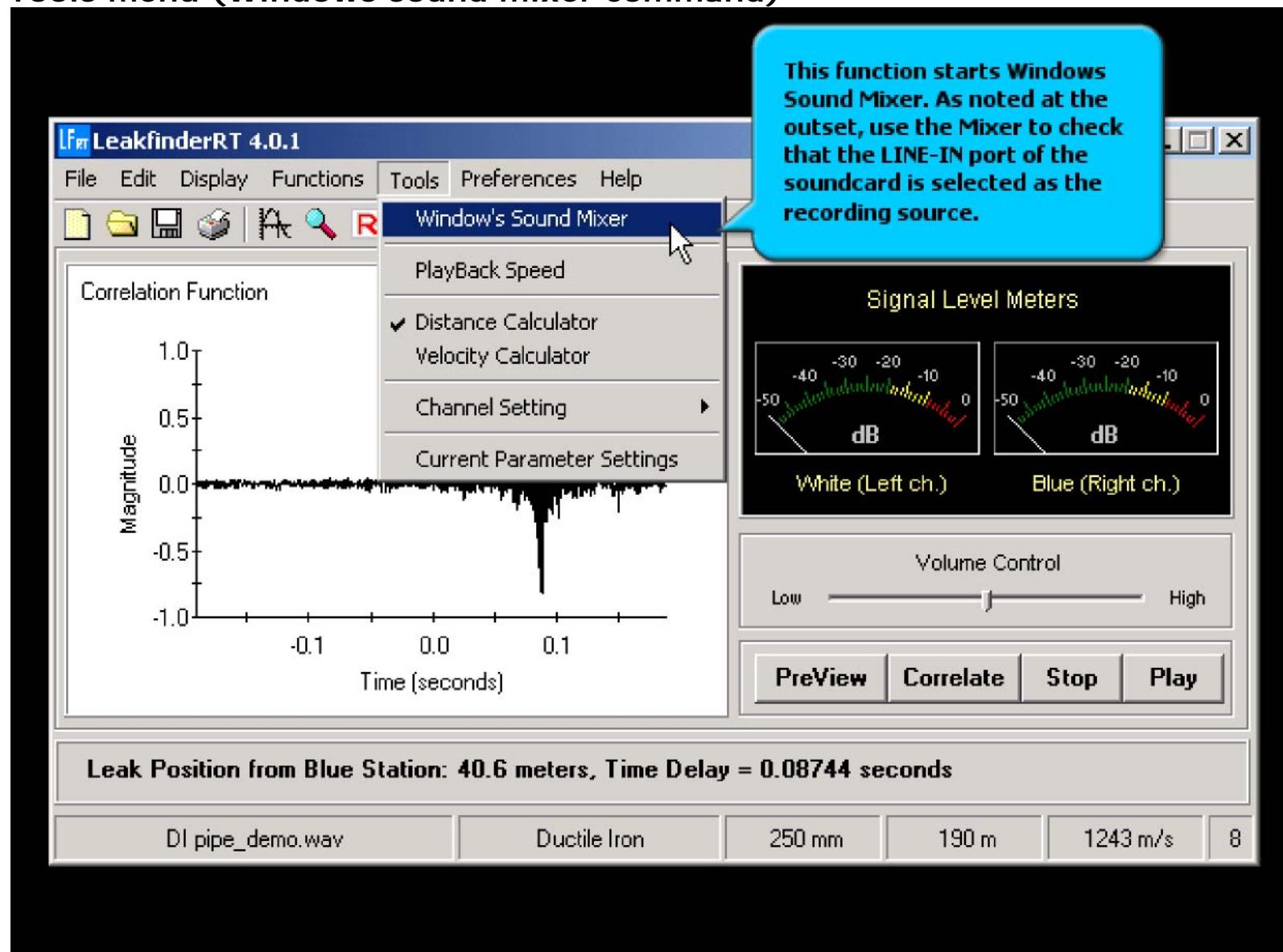
## Functions menu (View leak signals command 1)



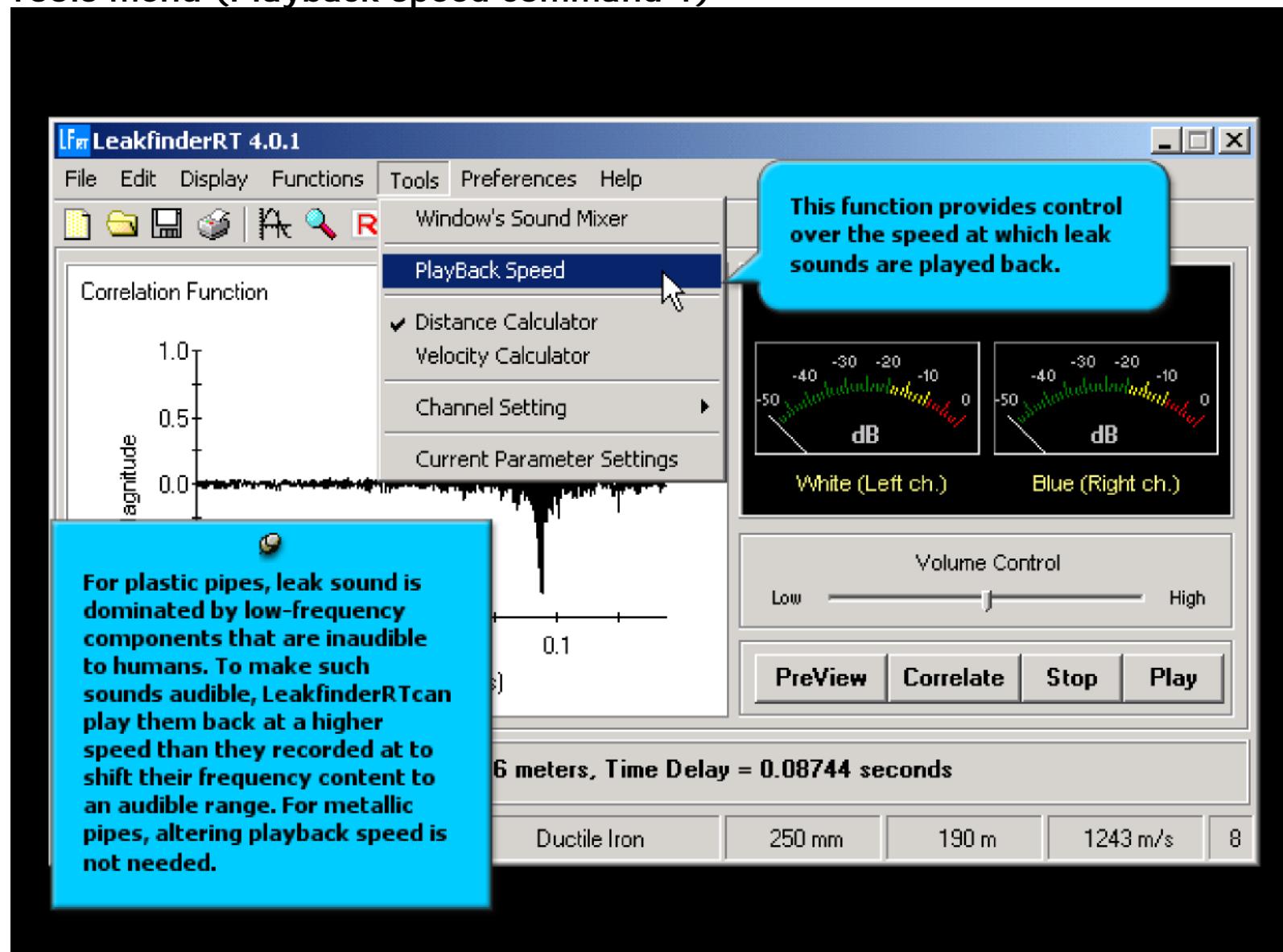
## Functions menu (View leak signals command 2)



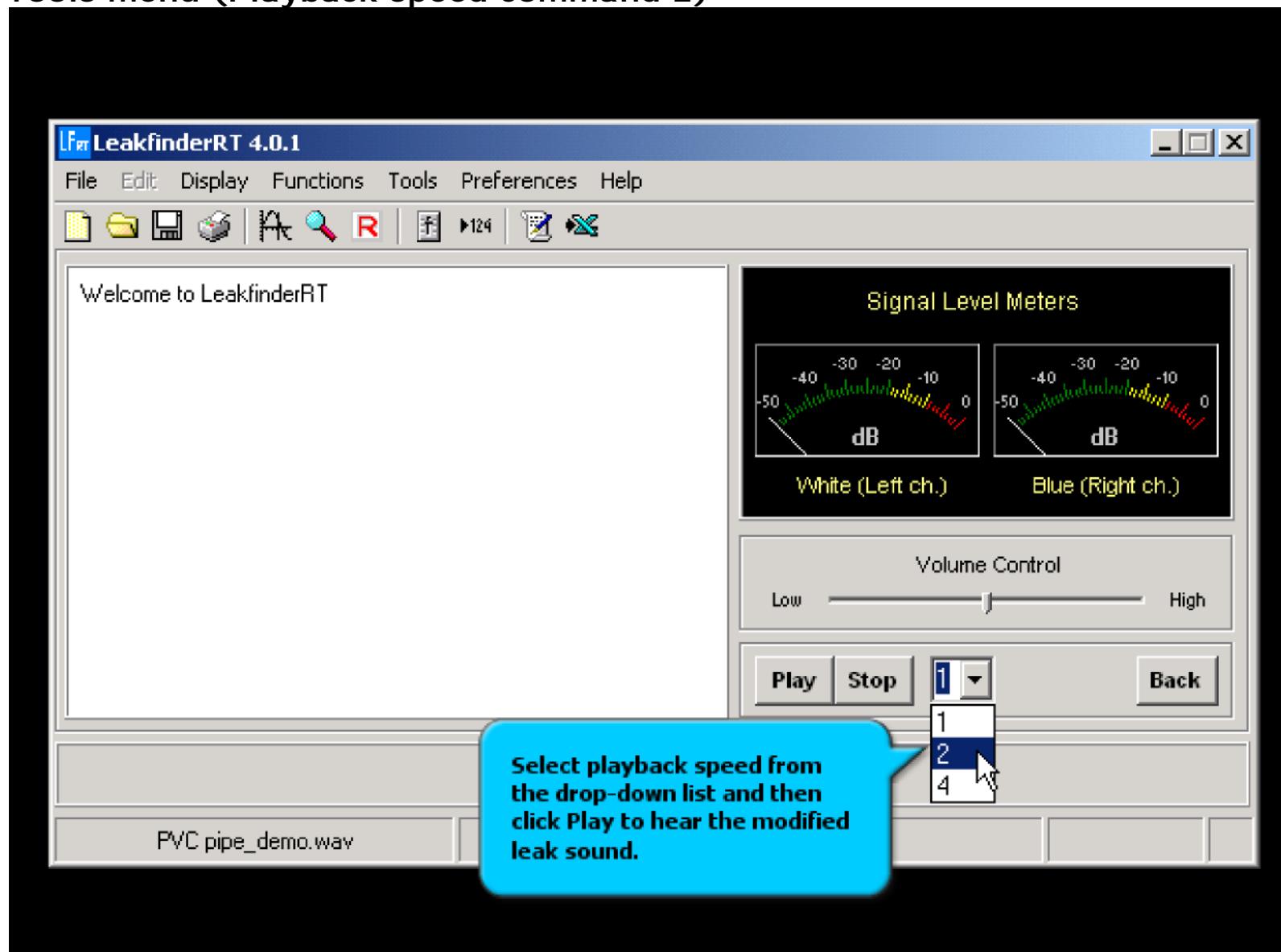
## Tools menu (Windows sound mixer command)



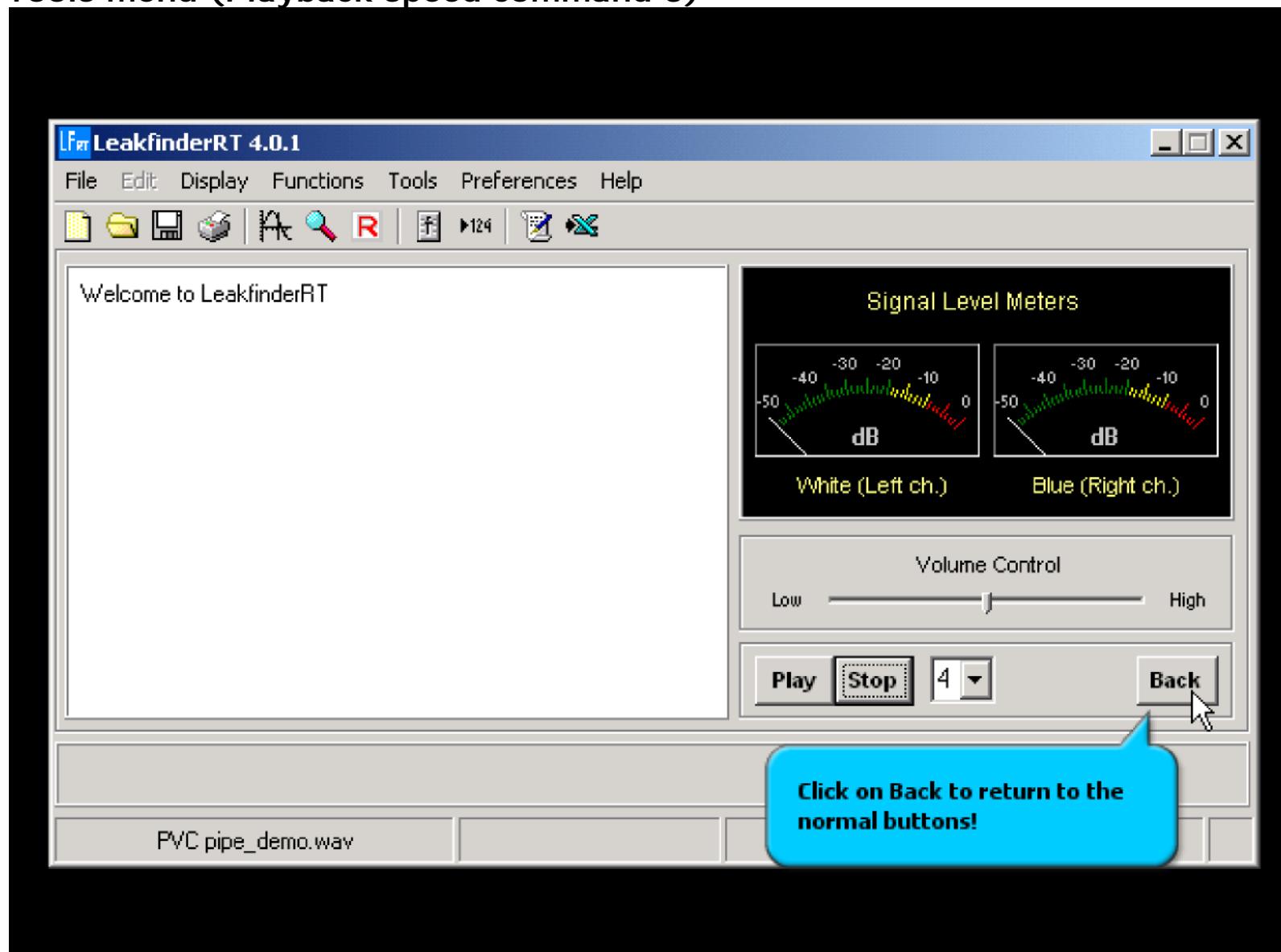
## Tools menu (Playback speed command 1)



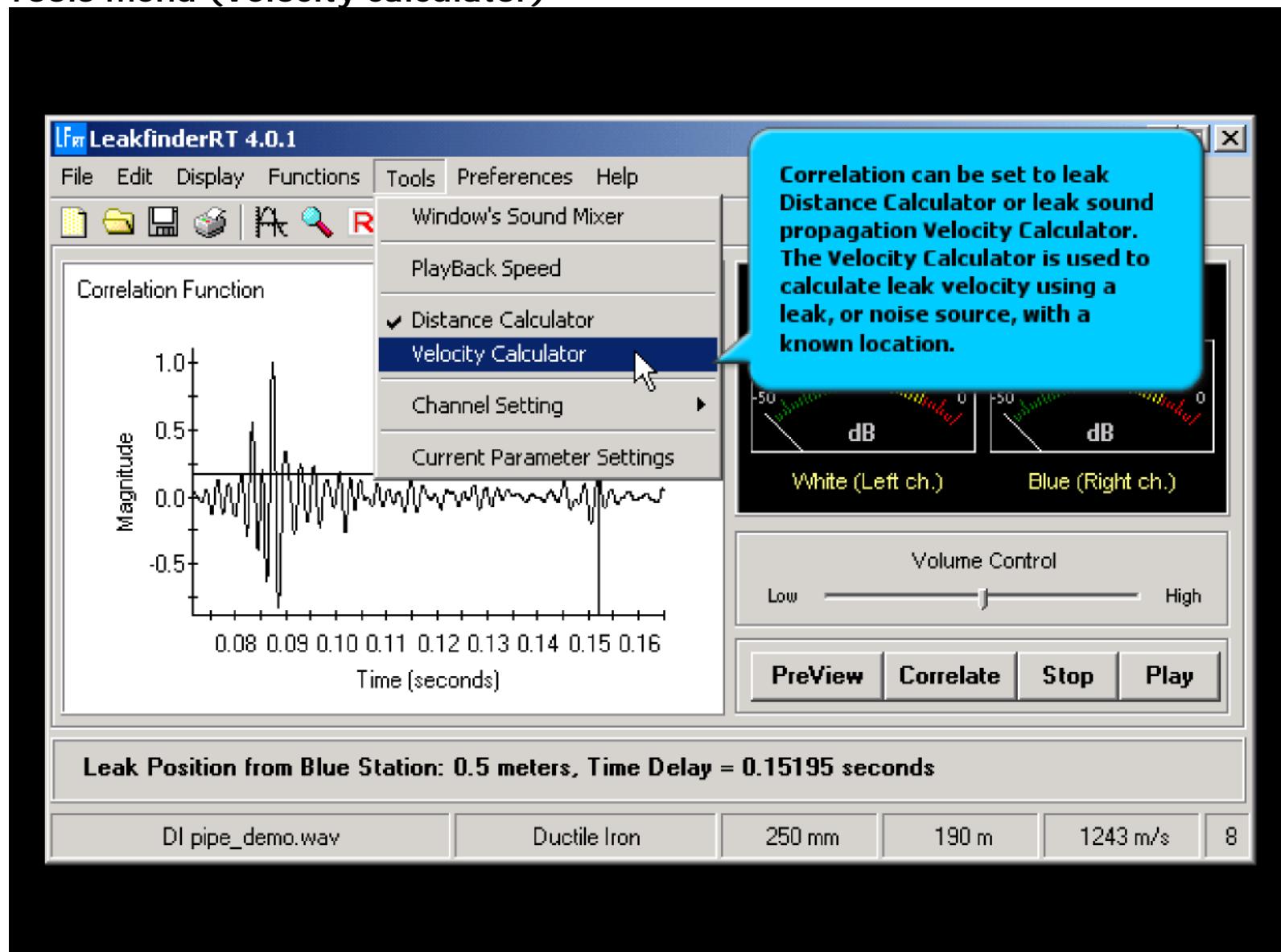
## Tools menu (Playback speed command 2)



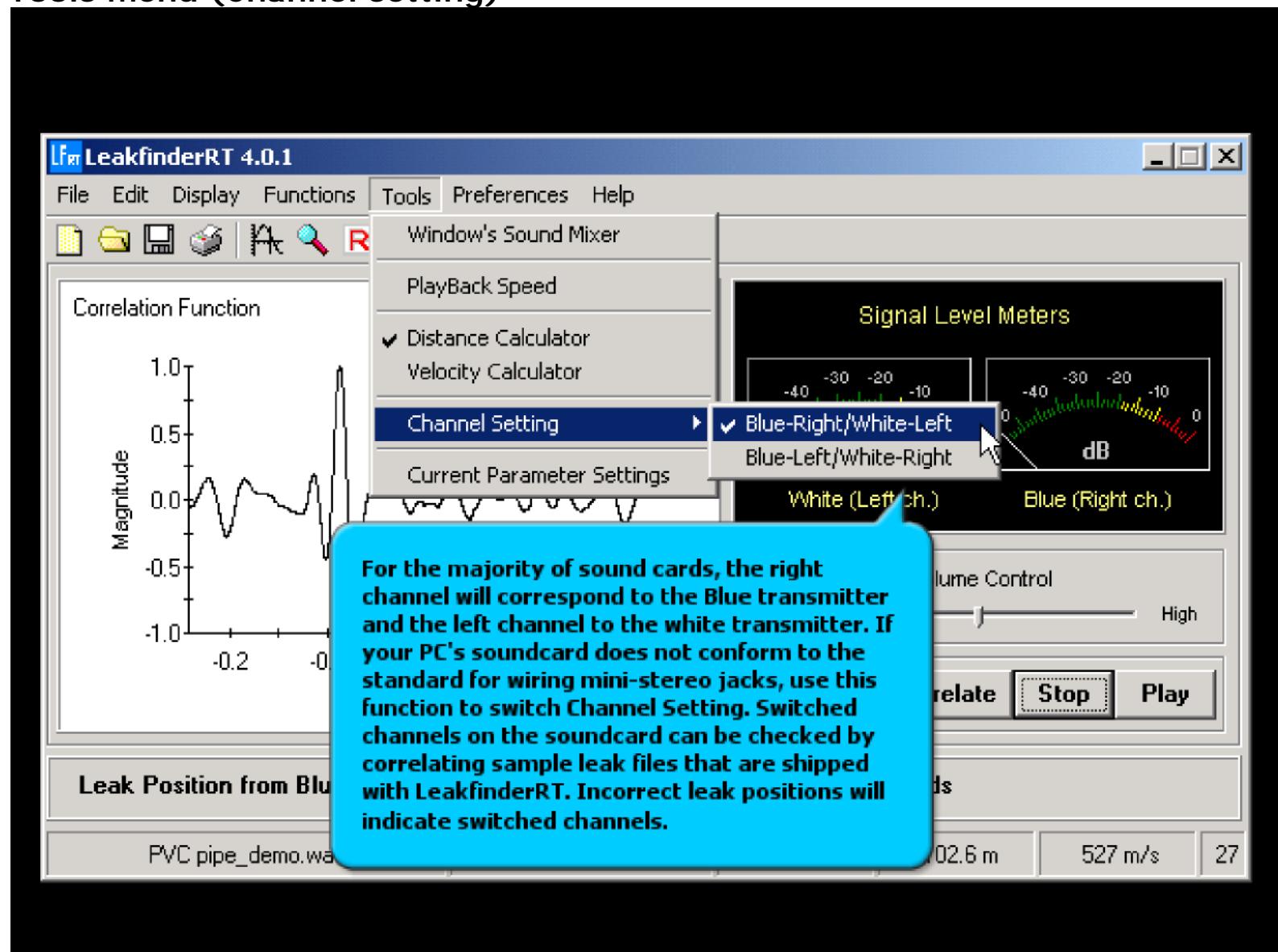
## Tools menu (Playback speed command 3)



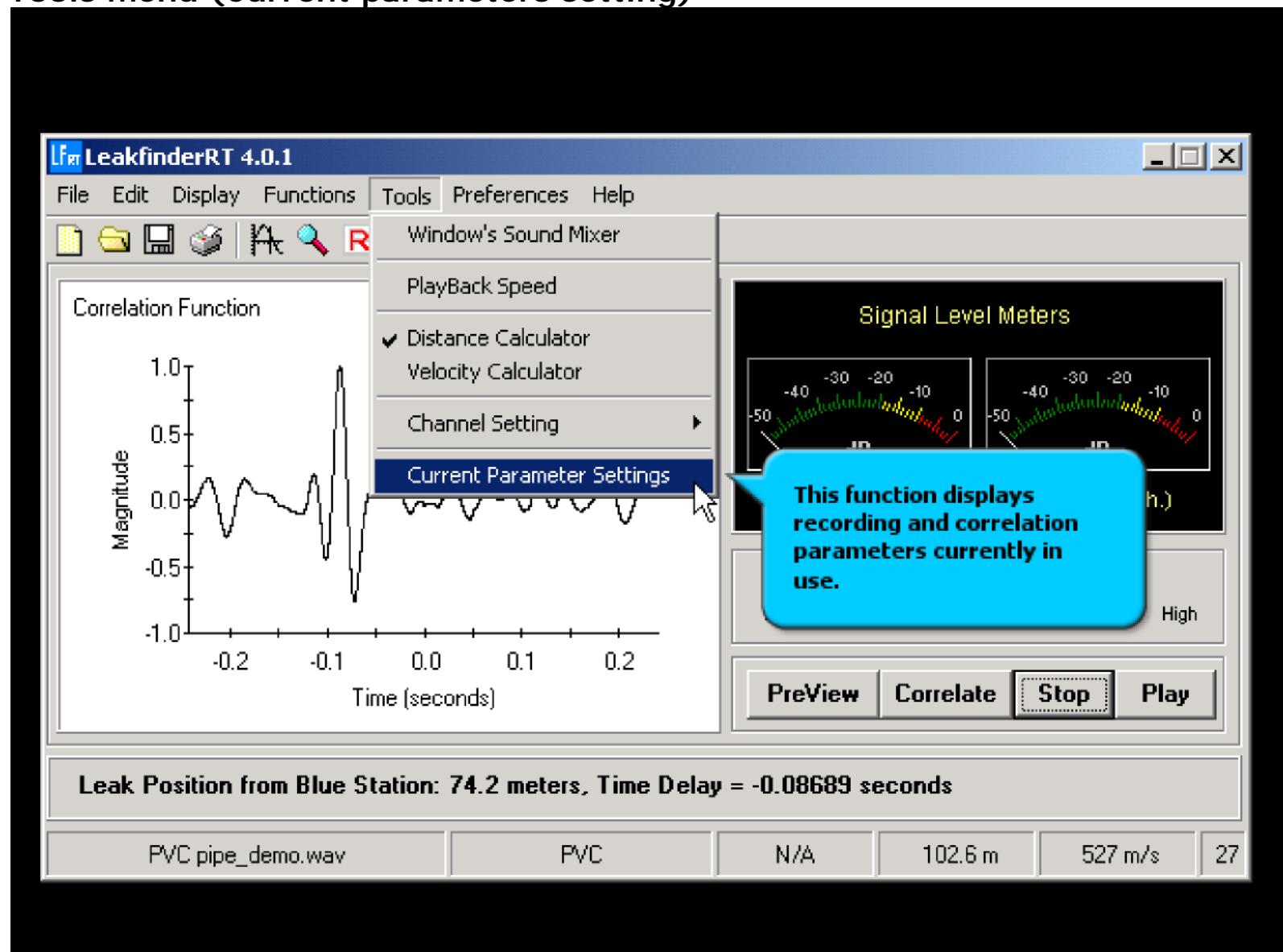
## Tools menu (Velocity calculator)



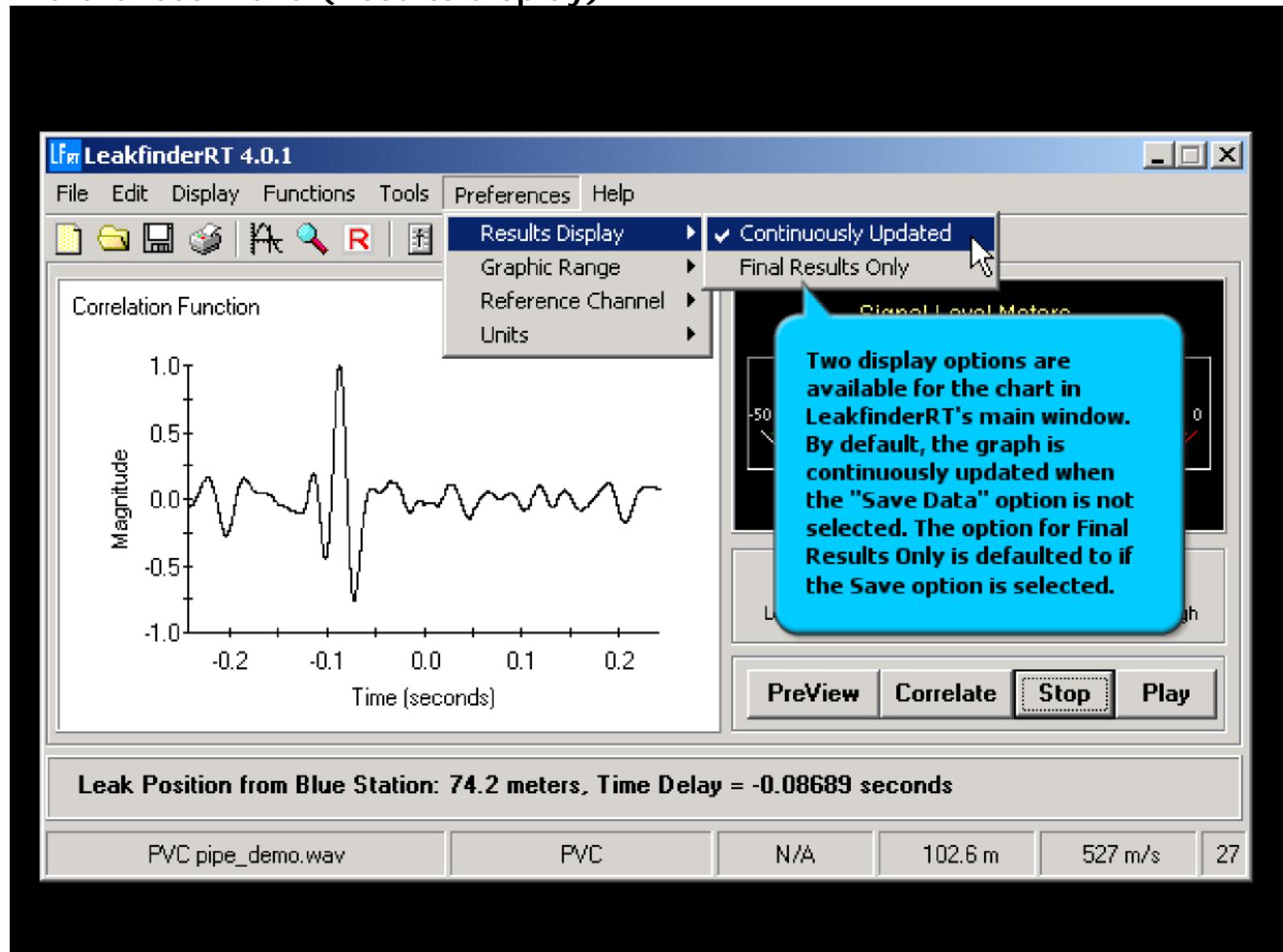
## Tools menu (Channel setting)



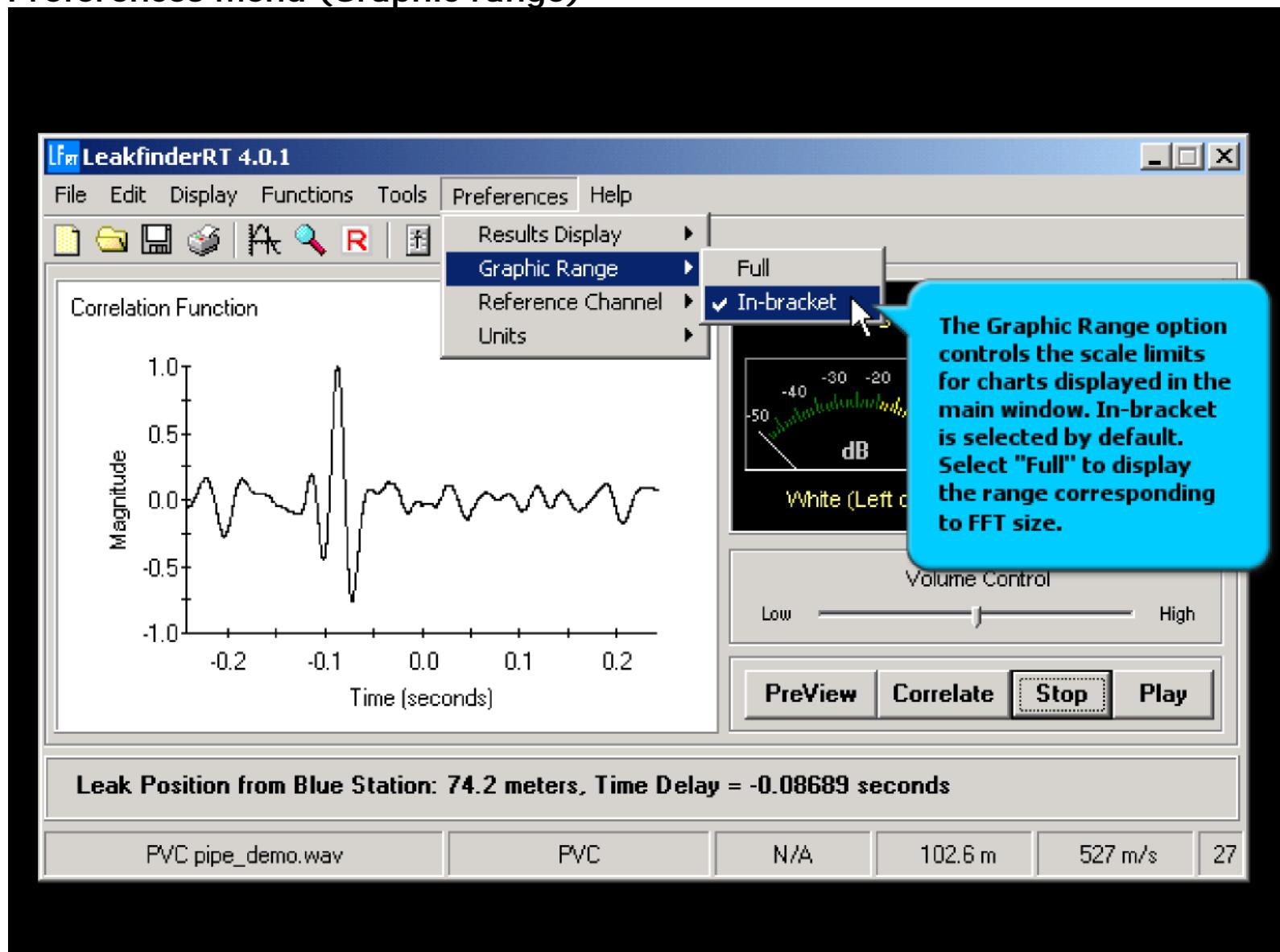
## Tools menu (Current parameters setting)



## Preferences menu (Results display)

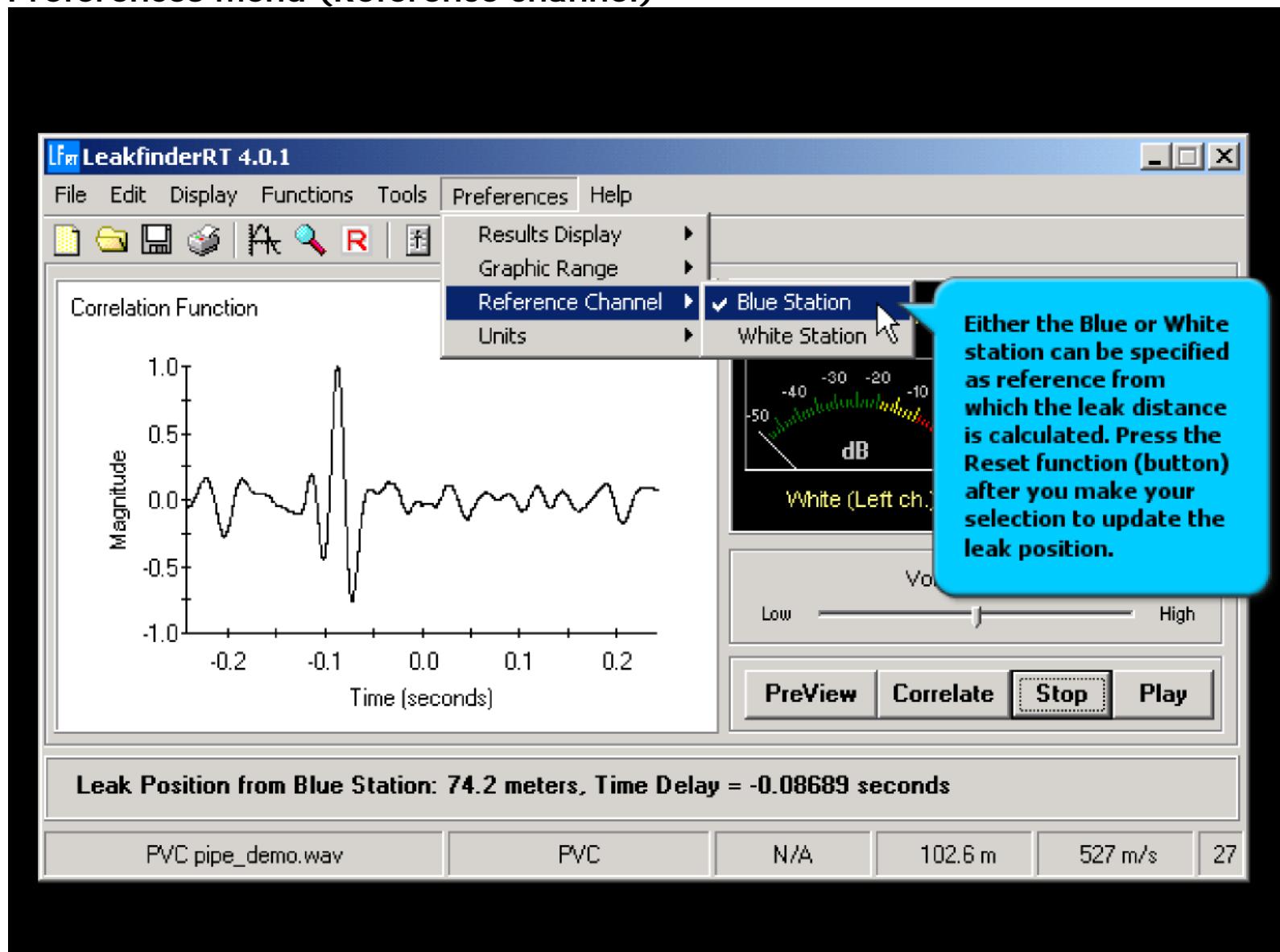


## Preferences menu (Graphic range)

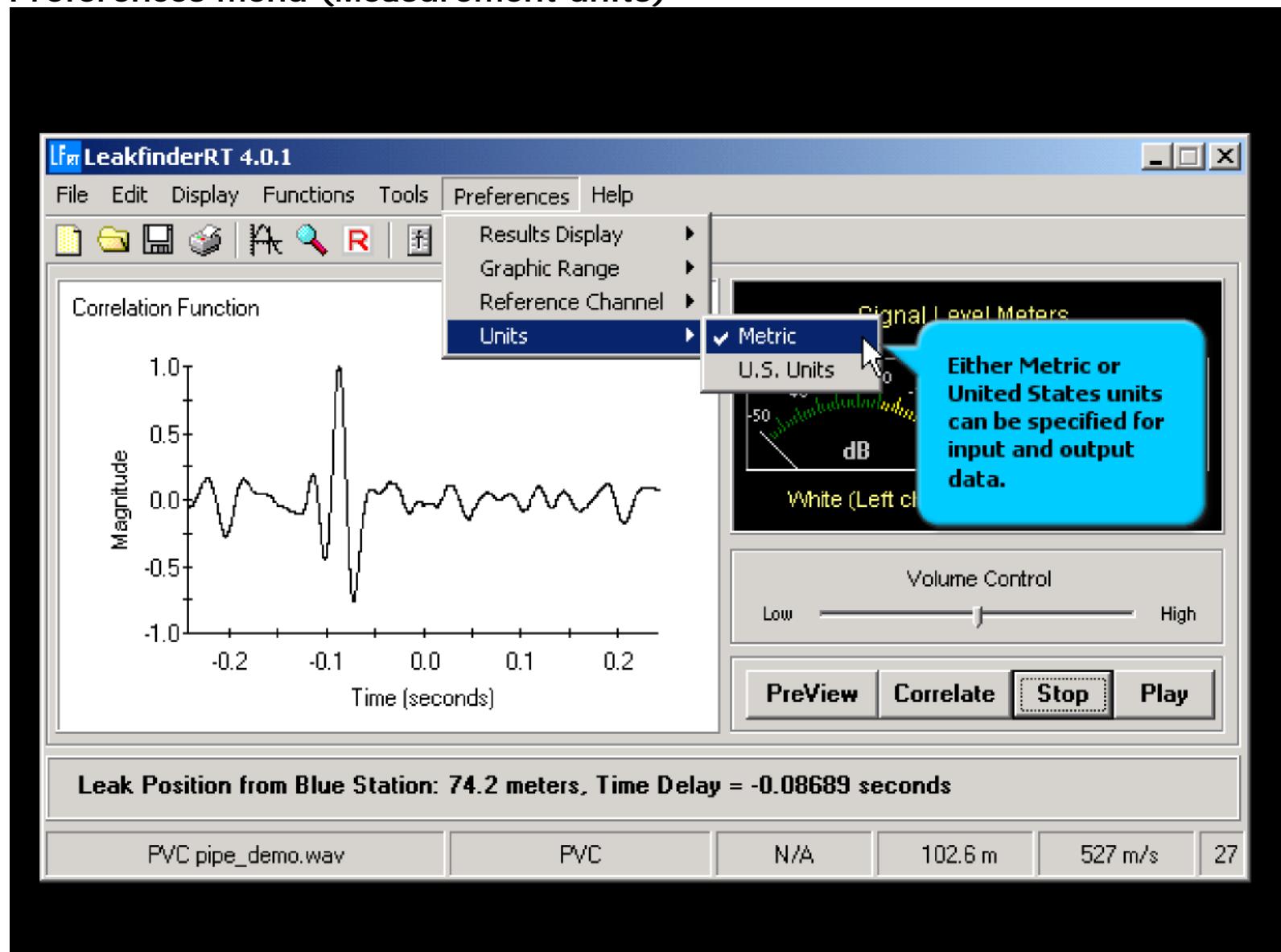


The **Graphic Range** option controls the scale limits for charts displayed in the main window. **In-bracket** is selected by default. Select "Full" to display the range corresponding to FFT size.

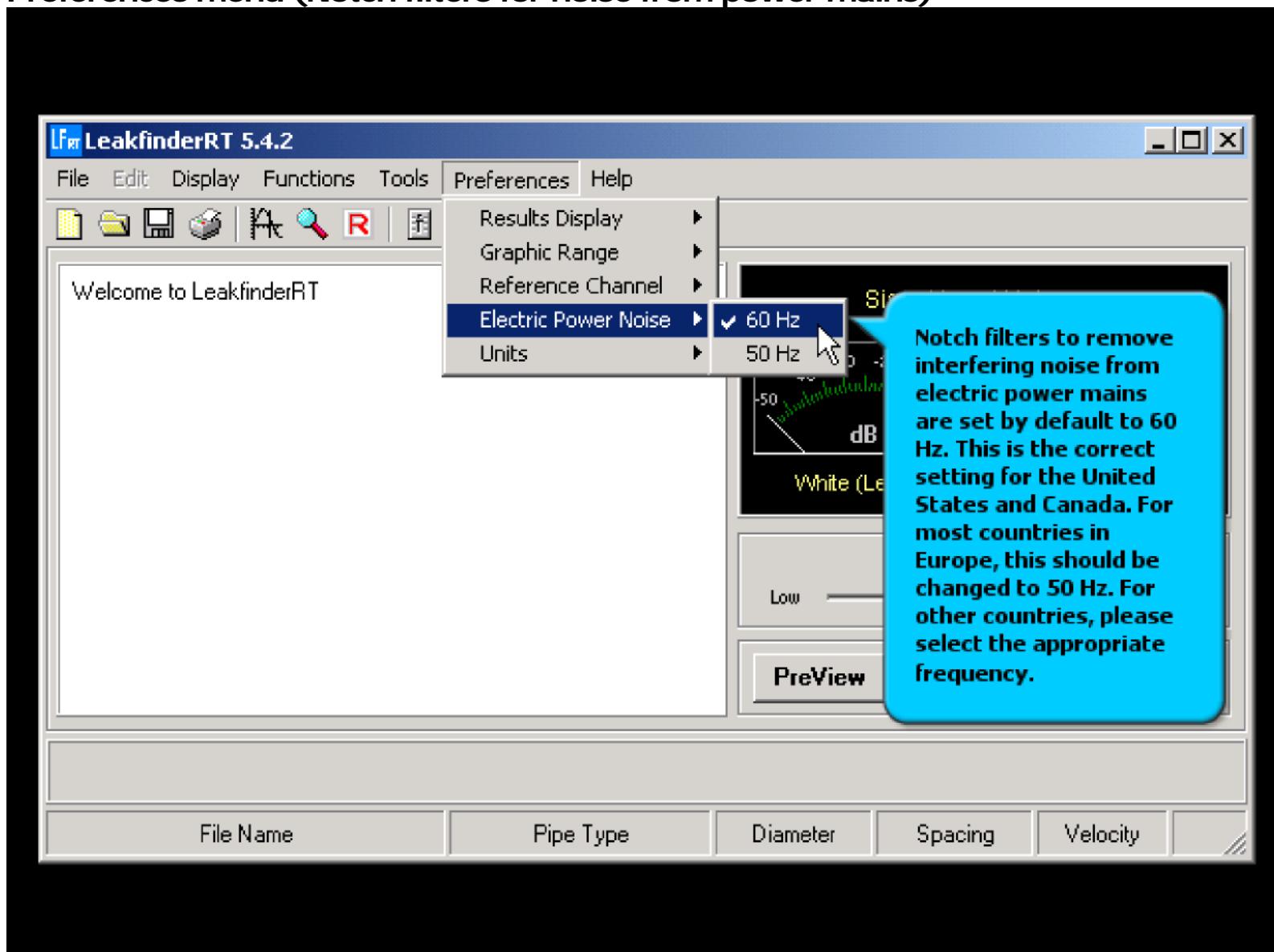
## Preferences menu (Reference channel)



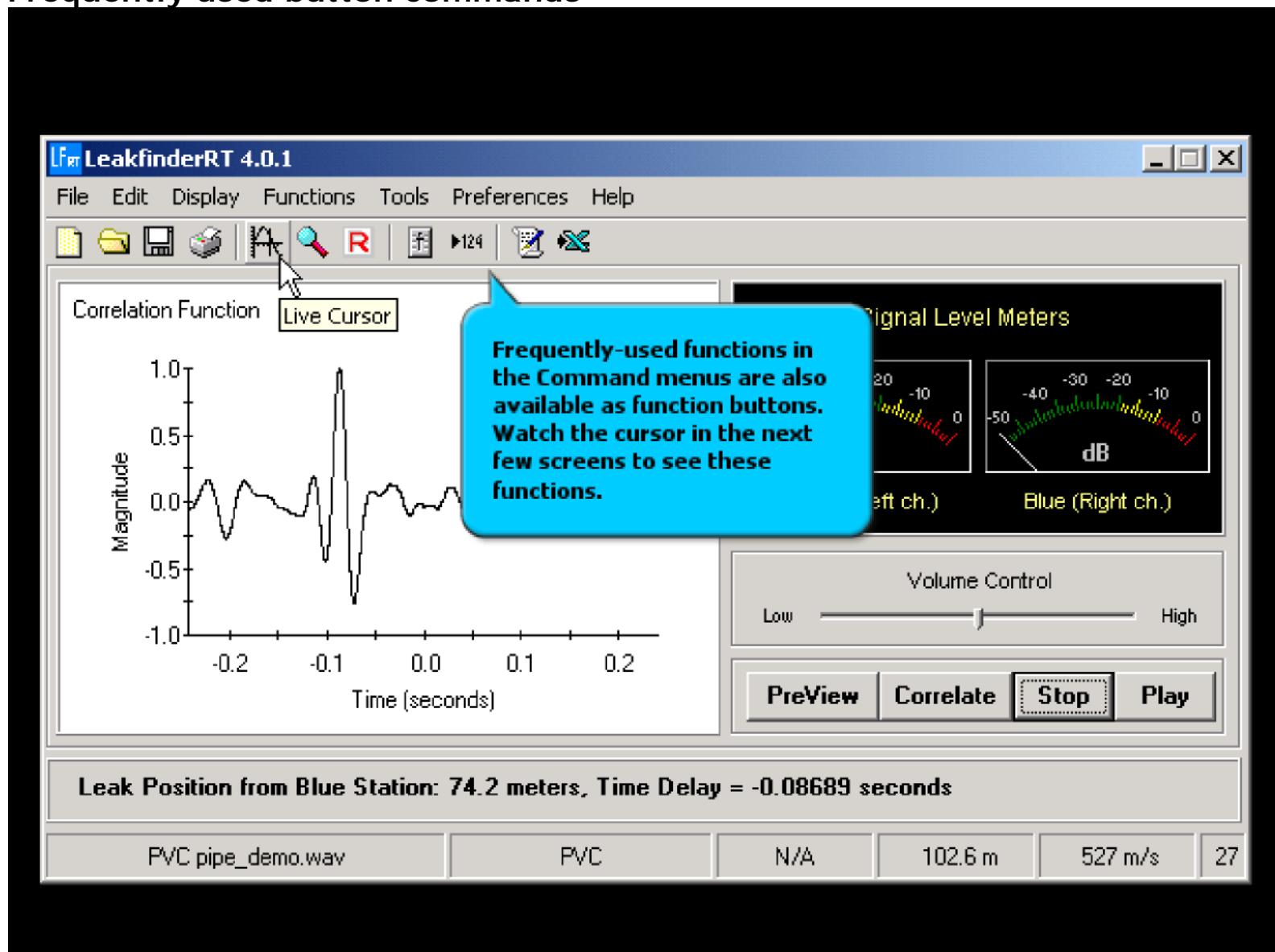
## Preferences menu (Measurement units)



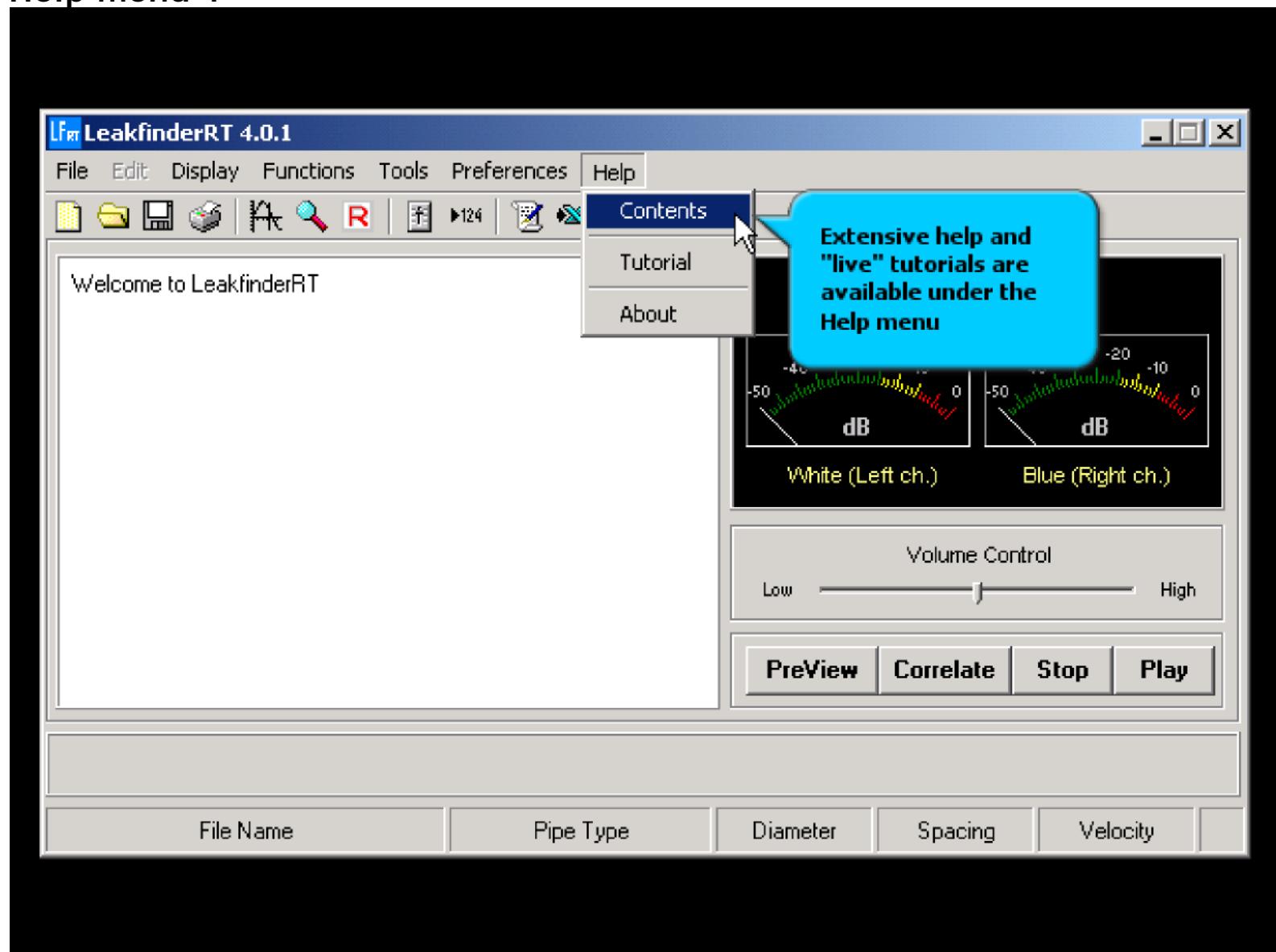
## Preferences menu (Notch filters for noise from power mains)



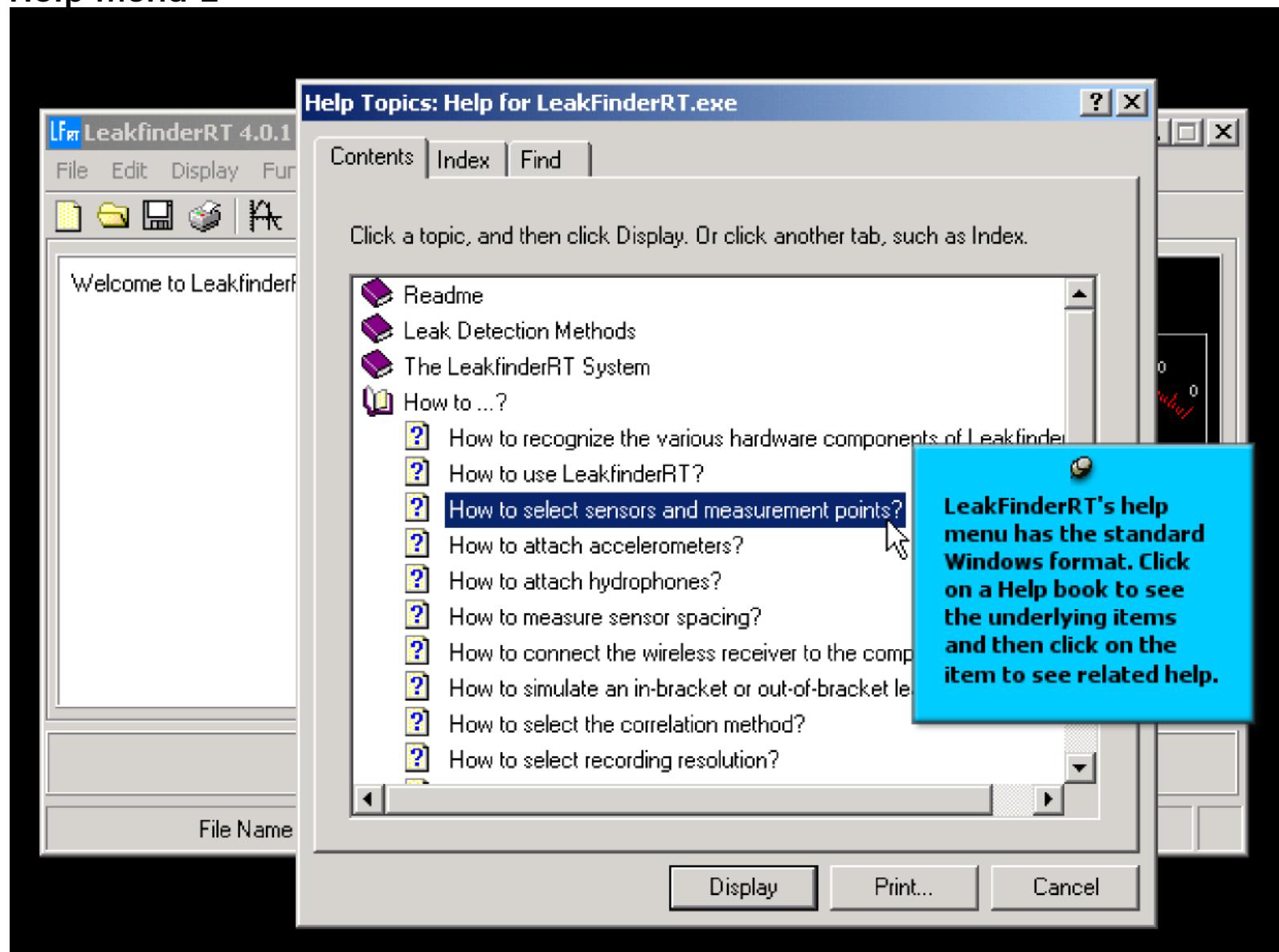
## Frequently used button commands



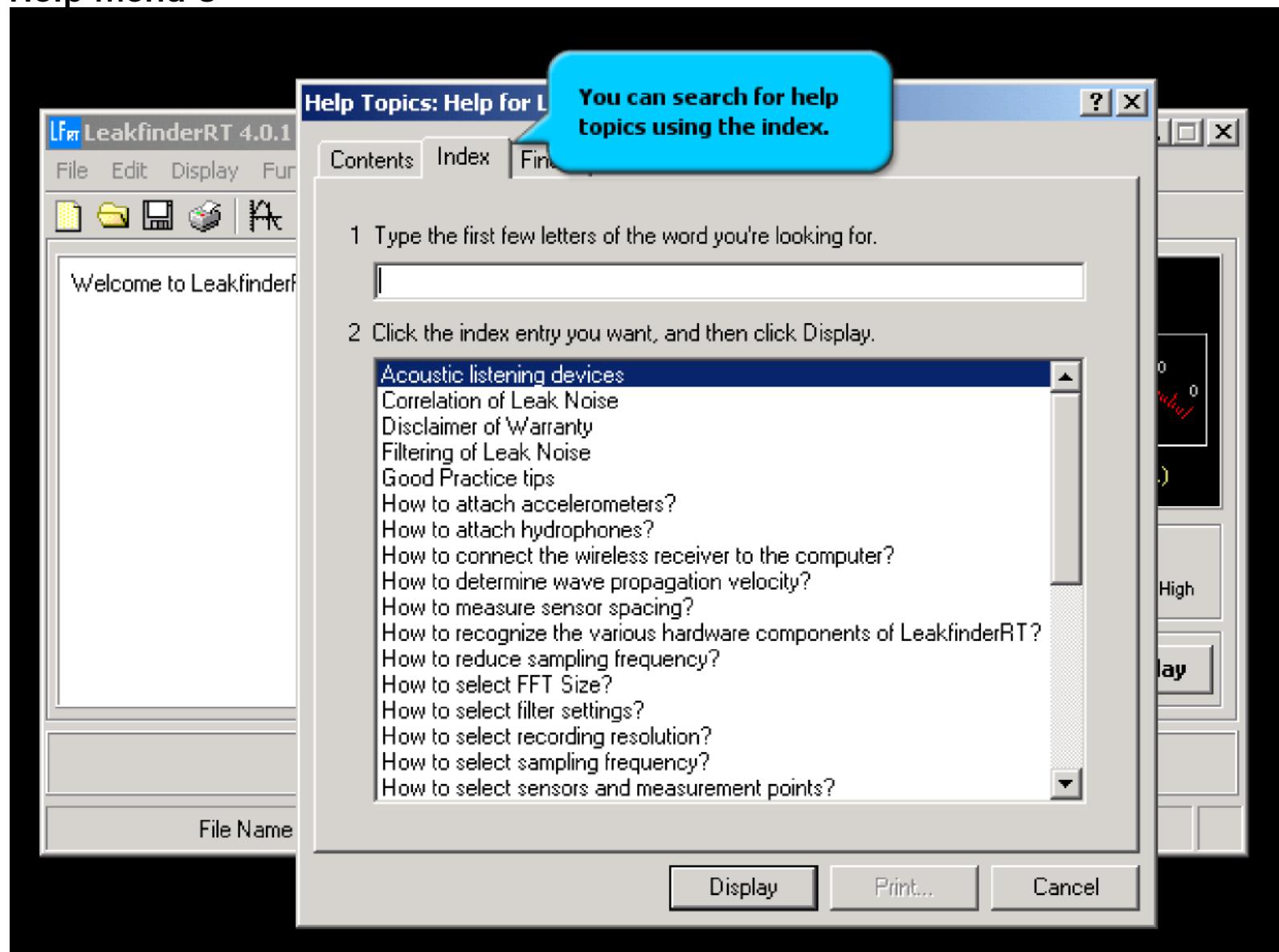
## Help menu 1



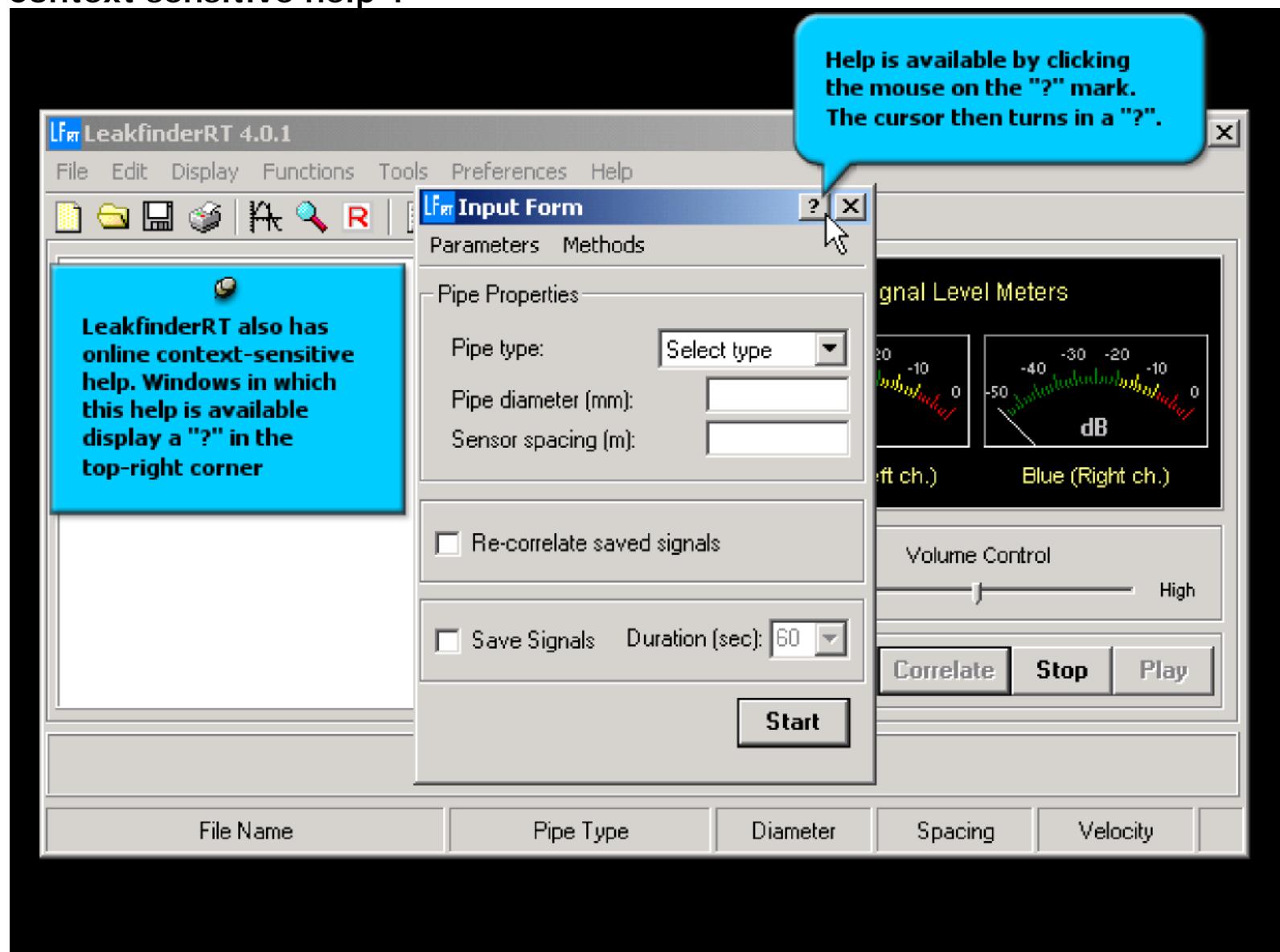
## Help menu 2



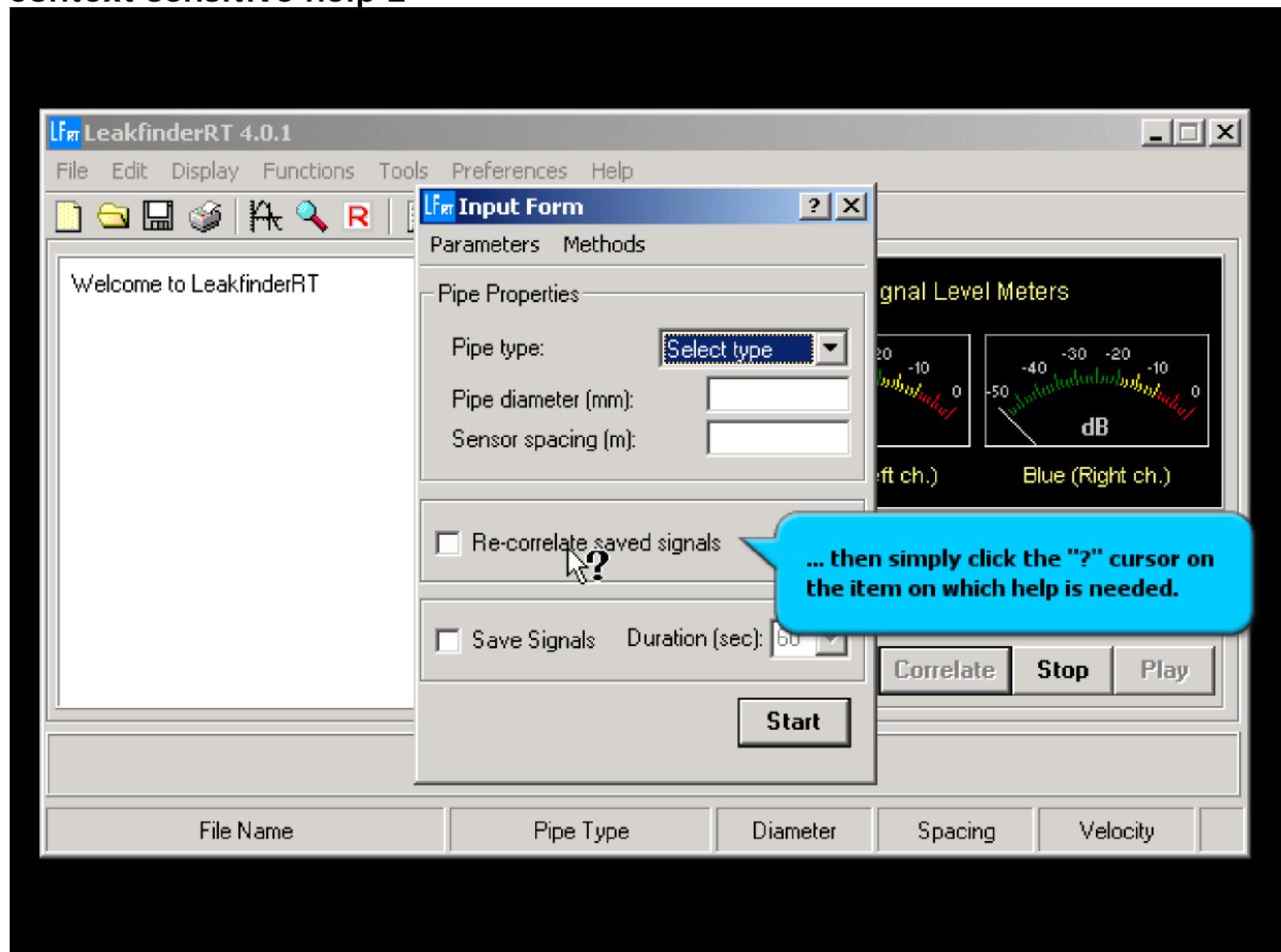
### Help menu 3



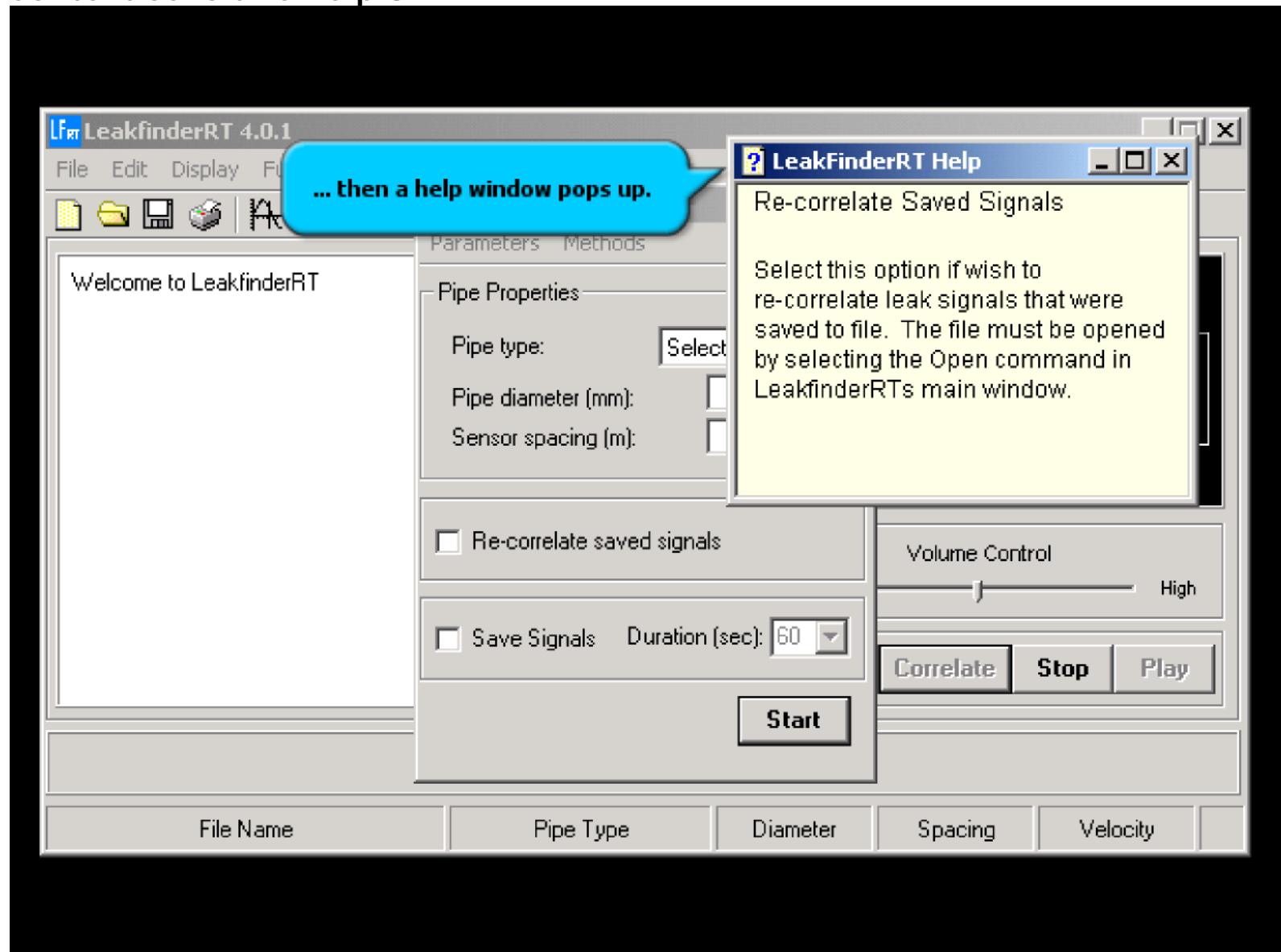
## Context sensitive help 1



## Context sensitive help 2



### Context sensitive help 3



## Technical Specifications

### Software

- 9 Enhanced and traditional correlation function
- 9 Correlation function calculated via fast Fourier transform (FFT)
- 9 Indefinite noise averaging
- 9 25 micro second minimum time resolution 9
- 0.1675 Hz minimum frequency resolution
- 9 Automatic or manual selection of frequency range
- 9 Propagation velocity calculator 9
- 10 different pipe materials 9 Mixed pipe sections
- 9 Arbitrary leak noise playback speed

### Accelerometers

- 9 Amplified piezoelectric sensing element
- 9 3 metres long cable having -40 to +90° C (-40 to +194° F) temperature rating

9 7.26-kg (16-lb) pull base magnet

### Wireless system

- 9 License exempt 900 MHz ISM frequency band 9
- Automatic gain controlled sensor amplifier 9 Non-removable antennas 9 Rechargeable batteries 9
- Low-battery indicator 9 Charge indicator
- 9 Very low center of gravity for improved geometrical stability
- 9 Splash proof ABS transmitter housing and aluminum receiver housing
- 9 Foil switches
- 9 Volume controlled 3.5 mm stereo headphones receiver output
- 9 10 to 15 hours of operation on fully charged battery @ 20° C (68° F)
- 9 10 to 2000 Hz frequency range (-6 dB @ 10 Hz) 9
- 500 metres (1640 ft) operating range