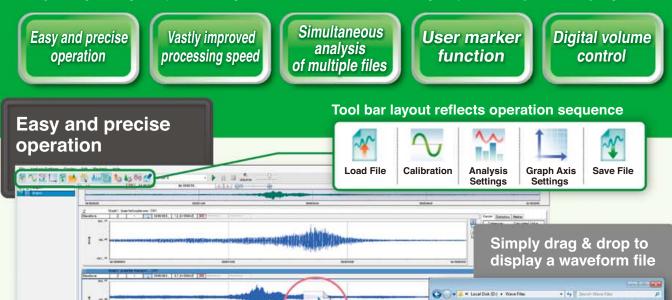


## Waveform Analysis Software AS-70



## Completely Renewed Analysis Software from Rion

The Waveform Analysis Software AS-70 reads data from WAVE files and offers a wide range of functions, including graph display, level processing, frequency analysis (FFT analysis and octave band analysis), file output, and playback.



Convenient wizard function for first-time users



21 items

Template function makes it easy to repeat processing sequences

Load parameter settings created previously

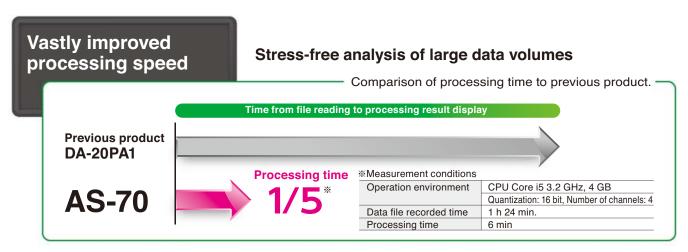
Load Template

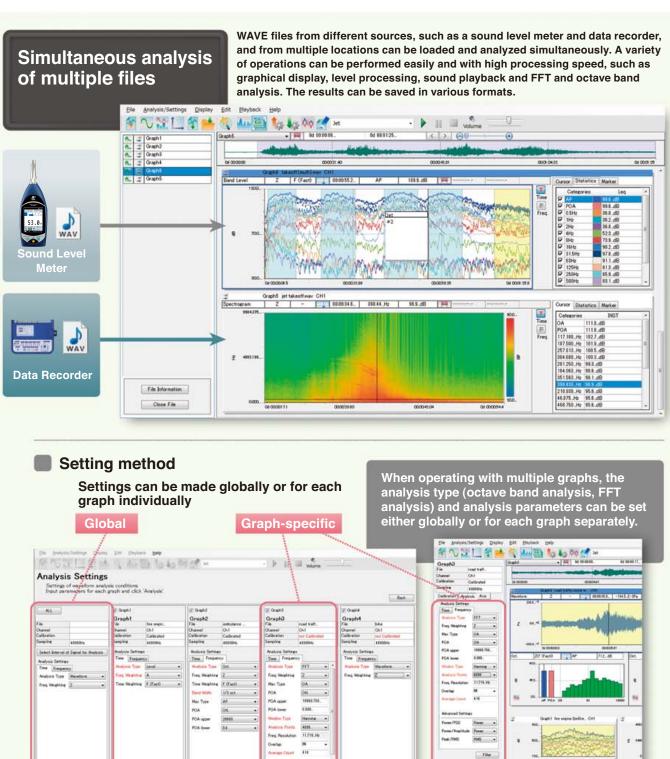
The settines (Calibration, Analysis, Graph Aris and Graph Size) are set according to the saved information.

Solicit Template

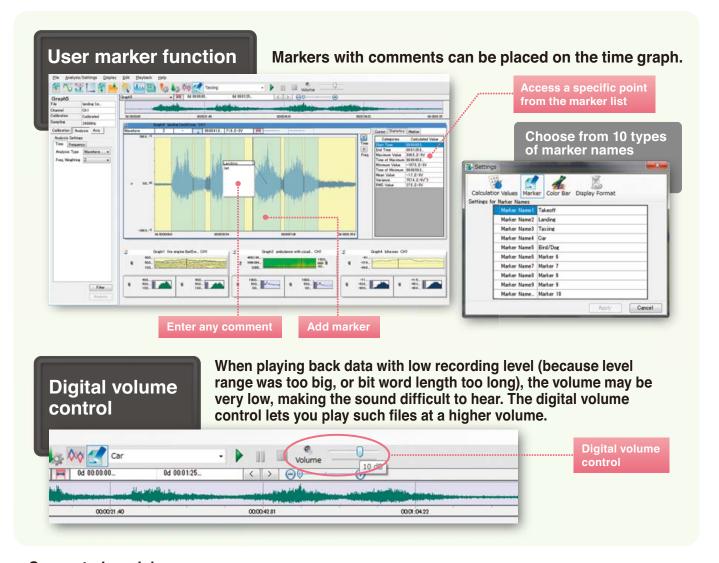
FFT & OCT

Apply





Film:



Supported models (WAVE files recorded with the following products can be used)

RIONOTE NX-43WR/42WR VX-57WR/55WR NX-28WR SA-78WR DA-21/40/20 VA-14/12

General WAVE format files can also be opened (with some restrictions regarding sampling frequency and number of channels)

Applicable standards			IEC 61672-1:2013, JIS C 1509-1:2017 (Frequency weightings A, C, Z; Class 1)
			ISO 7196:1995 (Frequency weighting characteristic G)
			IEC 61260-1:2014, JIS C 1514:2002 (Octave-band and 1/3 octave-band fi Iters, Class 1)
			JIS C 1510:1995 (Frequency weightings for vertical and horizontal vibration)
Supported		WAVE format	Sampling frequencies [Hz]: 64 k / 51.2 k / 48 k / 32 k / 25.6 k / 24 k / 16 k /
file format			12.8 k/12 k/5.12 k/2.56 k/2.4 k/1.28 k/1.2 k/1 k/512/256/240
			Bit word length: 16 bit / 24 bit
Time graphs		Display types	Amplitude waveform, level waveform, band level, spectrogram
		Frequency weighting	Z, A, C, G, C to A, L <sub>vz</sub> (vertical characteristics),
		characteristics	L <sub>vxy</sub> (horizontal characteristics)
		Time weighting characteristics	10 ms, F (Fast), 630 ms, S (Slow), 10 s
Fre	quency graphs	Display types	Octave band analysis, FFT analysis
	Octave band	Bandwidth	Octave band: 0.5 Hz to 16 kHz (16 bands)
-	analysis		1/3 octave band: 0.4 Hz to 20 kHz (48 bands)
	FFT	Window functions	Rectangular, Hanning, Flat-top, Hamming
	analysis	Number of analysis points	32 to 65 536 (base-2)
		Overlap	0 to 99 %
		Data view	Power spectrum, power spectrum density (Power/Amplitude, Peak/RMS selectable)
Statistical processing		Amplitude waveform	Maximum value, minimum value, average value, variance, effective value
		Level waveform/octave analysis	$L_{eq}$ , $L_E$ , $L_{max}$ , $L_{min}$ , $L_N$ (5 types)
		FFT analysis	Linear average, maximum value

File save	Save formats	WAVE format, text format
function	Successive calculation results	Results saved as text at calculation intervals (1 ms to 24 h)
Other	Differential and integral filter	1st order integration, 2nd order integration,
functions		1st order differential, 2nd order differential
	HPF, LPF	Cutoff frequency: any setting
		Slope: 6 dB/12 dB/18 dB/24 dB (per octave)
	Overlay	Two frequency spectra can be shown as a superimposed (overlay)
		graph, with optional difference indication
	Real-sound playback	Play, stop, pause, digital volume control
	Clipboard copy	Screen, graph, list

Recommended operation environment

CPU Intel Core i5 2 GHz or faster

RAM 2 GB or more, 4 GB recommended

HDD 20 GB or more (free space), 100 GB or more recommended

Display XGA (1024 x 768 pixels) resolution or higher

Supported operating Microsoft Windows 10 Pro 64 bit, 11 Pro 64 bit systems



RION Co., Ltd. is recognized by the JCSS which uses ISO/IEC 17025 (JIS Q 17025) as an accreditation standard and bases its accreditation scheme on ISO/IEC 17011. JCSS is operated by the accreditation body (IA Japan) which is a signatory to the Asia Pacific Laboratory Accreditation Cooperation (APLAC) as well as the International Laboratory Accreditation Cooperation (ILAC). The Quality Assurance Section of RION Co., Ltd. is an international MRA compliant JCSS operator with the accreditation number JCSS 0197.

\* Windows is a trademark of Microsoft Corporation. \* Specifications subject to change without notice.





3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan Tel: +81-42-359-7888 Fax: +81-42-359-7442