



SonarWiz Interfaces

Real-time (R/T) sonar data acquisition interfaces supported;
Magnetometry R/T acquisition is free with ANY sonar R/T license

SonarWiz can acquire and process data from the following sonar models:

Sidescan Sonar:	(XTF file recorded)	Sub-bottom sonar:	(SEG file recorded)
Analog 16-bit: (examples)	- Geoacoustics SS - Klein 595, 2000 SS - Edgetech 260/272 - C-MAX 800 series	Analog SB: (examples)	- Sparkers, Boomers, - Bubble-guns, Pulsers
C-MAX	CM2 USB	Edgetech	3000 (X-Star), 3100, 3200 FSSB (e.g. SB216, SB424)
Edgetech	- 4100 (Sonarbeam) - 4125/4200 via Ethernet - 4125 via USB/COM port - 4600/6205 sidescan	Falmouth Scientific Kongsberg- Geoacoustics Ltd	HMS-622 ChirpCeiver Geopulse Analog SB Geopulse Plus Digital SB
Falmouth Scientific Imagenex	- HMS-624, Swordfish SS - Sportscan, Yellowfin	Innomar Knudsen SyQwest	SES-2000 SB Knudsen SB (Beta) Stratabox, Hydrobox Bathy2010, Bathy2010PC Chirp III, Echotrac CVM
Jetasonic	- SS arrays	Teledyne-Odom	
Klein	- 3000, 3900, 4900 - 5000, 5000V2 - 5900 w/gap-fill - DeepSled UUV3500 sidescan	Combined SS/SB:	(XTF and SEG files recorded)
Knudsen Kongsberg- Geoacoustics Ltd.	- 320 - Digital SS - Pulsar SS - Geoswath sidescan	Edgetech HUGIN Klein Teledyne-Odom	- 2000 SS/SB - AUV SS/SB - 3000 SS/SB - 1625 SS/SB
Marine Sonic (now Atlas NA)	- HDS and SeaScan - ARC Explorer	Bathymetry Sonar:	(XTF file recorded)
PingDSP	- 3DSS-DX sidescan	Edgetech Klein LiDAR Mesotech NORBIT PingDSP R2Sonic RESON	- 4600/6205 SS/bathy - 5900 SS/bathy - Velodyne VLP-16, 32 supported - M3 - iWBMS supported - 3DSS SS/bathy - 202X single-headed - Seabat series S7K
R2Sonic	- 202X series w/TruePix	Single-beam Sonar:	(TXT file recorded)
SyQwest	- Aquascan	Various vendors	All NMEA-0183-compliant models, supporting DBT / DPT messages
Teledyne-Odom	- 1624 SS	InnerSpace ISA500 ODOM Senbon Denki	400-series (meters) \$ISADA / \$ISADA packets SBT PDR series
Tritech	Starfish 450/990, Seaking		

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SonarWiz File Format Import

SonarWiz supports import of the following file-types:

Note: All file formats in a category may be imported with the post-processing license of that category.

Sidescan Import File Types:

- C-MAX (*.XTF, *.CM2)
- CODA (*.COD)
- Edgetech (*.JSF)
- eXtended Triton Format (*.XTF)
- Geoacoustics (*.GCF, *.RDF, *.RFF)
- Humminbird side-view (*.DAT) [*Note1](#)
- HYPACK (*.HSX)
- Imagenex Sportscan (*.81S)
- Imagenex Yellowfin (*.872)
- Imagenex Delta T Backscatter (*.83P)
- Innomar SS (*.SES)
- Klein (*.SDF)
- Kongsberg EM backscatter (*.ALL)
- Kongsberg (Simrad) EA400/600 Backscatter (*.RAW)
- Kongsberg (ProSAS, HI SAS 1030) (*.IMG, *.XTF)
- Kongsberg PULSAR SS (*.XTF, *.SMB)
- KRAKEN (*.TIL)
- Lowrance (*.XTF or *.SL2 or *.SL3) [*Note1](#)
- Marine Sonic (*.MST, *.SDS)
- MCM Sensor HD (*.H5)
- QMips (*.DAT, *.QMP)
- QPS (*.QPD, *.DB)
- R2Sonic (*.R2S, *.XTF)
- RESON (*.S7K)
- Seabeam2100 (*.MB41)
- Sonardyne Solstice (*.SWF8)
- SwathPlus Raw/Processed (*.SXR, SXP)
- Swedish Geo Survey (*.SEG, *.SGY)
- Tritech (*.V4Log, *.LogDoc, *.XTF)

Single-beam Import File Types:

- ISA500 - M39 format recorded by HYPACK
- MLG - EASYNVAV variety
- RAW - files recorded by HYPACK
- TXT - recorded format saved by SonarWiz
- See the Single-beam Reference PDF for format details

Magnetometry Import File Formats:

Many sentence formats supported, using a template-based import design. See the Magnetometry Post-processing Reference PDF for details

Sub-bottom Import File Types:

- Atlas Parasound (*.ACF, *.ASD)
- CODA (*.COD)
- EdgeTech JSF (*.JSF)
- eXtended Triton Format (*.XTF)
- GeoAcoustics (*.GCF)
- Humminbird (*.DAT) [*Note1](#)
- Innomar SB (*.SES)
- Klein 3000 (*.SDF)
- Knudsen KEB (*.KEB) incl. D0-D3 and B9 formats
- Kongsberg (*.RAW)
- Lowrance (*.SL2, *.SL3) [*Note1](#)
- Mala GPR (*.RAD)
- SEG-Y (*.SEG, *.SGY, *.TRA)
- Specialty Devices (SDI) (*.BSS)
- SyQwest ODC (*.ODC)
- Tritech (*.V4Log)

Bathymetric Import File Formats:

- EdgeTech JSF (*.JSF)
- eXtended Triton Format (*.XTF)
- Generic Sensor Format (*.GSF)
- GeoAcoustics (*.RDF, *.RFF)
- HYPACK bathy / backscatter (*.HSX, *.HS2, *.HS2X)
- Imagenex Delta T (*.83P) and DT 100 (*.D1P)
- Klein (*.SDF)
- Kongsberg (*.ALL, *.KMALL)
- KRAKEN (*.TIL)
- Lowrance StructureScan (*.SL3)
- Marine Electronics - Dolphin (*.FLS) (coming soon!)
- MB-System (*.FBT)
- NORBIT iWBMS bathymetry (*.HSX, *.XTF)
- R2Sonic with TruePix or Snippets (*.R2S)
- RESON with Backscatter or Snippets (*.S7K)
- RESON via HYPACK (*.7K)
- Sea SWATHPLUS (*.SXI)
- Sonardyne Solstice (*.SWF8)
- Velodyne VLP-16 / VLP-32 LiDAR (*.HSX, *.XTF)
- WASSP multi-beam (*.NWSF, *.WMBF)