



## 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:

<b>Sidescan Sonar:</b>	(XTF file recorded)	<b>Sub-bottom sonar:</b>	(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	- 4125(i) via Ethernet - 4200 via Ethernet - 4125(i) via USB/COM port 4600/6205 sidescan	Falmouth Scientific Kongsberg- GeoAcoustics Ltd Innomar Knudsen SyQwest	HMS-622 ChirpCeiver Geopulse Analog SB Geopulse Plus Digital SB SES-2000 SB Knudsen SB Stratabox, Hydrobox
Falmouth Scientific Imagenex	HMS-624, Swordfish SS - Sportscan, Yellowfin	Teledyne-Odom	Bathy2010, Bathy2010PC Chirp III, Echotrac CVM Echotrack E20
Jetasonic	- SS arrays	<b>Combined SS/SB:</b>	(XTF and SEG files recorded)
Klein	- 3000, 3900, 4900 - 5000, 5000V2 - 5900 w/gap-fill - DeepSled UUV3500 sidescan - MA-X View 600	Edgetech HUGIN Klein Teledyne-Odom	- 2000 SS/SB - AUV SS/SB - 3000 SS/SB - 1625 SS/SB
Knudsen	- 320	<b>Bathymetry Sonar:</b>	(XTF file recorded)
GeoAcoustics Ltd.	- Digital SS Server - GeoPulse Compact - GeoSwath 4/Plus sidescan - Pulsar SS (direct control, no need to use MS1000)	Edgetech GeoAcoustics Klein LiDAR Marine Electronics Mesotech NORBIT PingDSP R2Sonic RESON	- 4600/6205 SS/bathy - GeoSwath 4/Plus SS/MBES - 3500HC & 5900 SS/bathy - Velodyne VLP-16, VLP-32 - Dolphin SeaView - M3 - iWBMS supported - 3DSS SS/bathy - 202X single-headed - Seabat series S7K
Marine Sonic (now Atlas NA)	- HDS and SeaScan - ARC Explorer	<b>Single-beam Sonar:</b>	All NMEA-0183-compliant models, supporting DBT / DPT messages \$ISADA / \$ISADA packets
PingDSP	- 3DSS-DX sidescan	Various vendors e.g. Impact Subsea InnerSpace ODOM Senbon Denki	- 400-series (meters) - ISA500 - SBT, E20 - PDR series
R2Sonic	- 202X series w/TruePix		
SyQwest	- Aquascan		
Teledyne-Odom	- 1624 SS		
Tritech	- Starfish 450/990, Seaking		

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## SonarWiz File Format Import

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, .XTF)
- Humminbird side-view (\*.DAT)
- HYPACK (\*.HSX)
- Imagenex: Sportsan (\*.81S); Yellowfin (\*.872);
- Imagenex Delta T Backscatter (\*.83P)
- Innomar SS (\*.SES3)
- Klein (\*.SDF, .XTF)
- Kongsberg EM backscatter (\*.ALL); (\*.KMALL)
- Kongsberg (Simrad) EA400/600 Backscatter (\*.RAW)
- Kongsberg Mesotech M3 FLS (\*.IMB)
- Kongsberg (ProSAS, HI SAS 1030) (\*.IMG, \*.XTF)
- Kongsberg PULSAR SS (\*.XTF, \*.SMB)
- KRAKEN (\*.TIL, .XTF)
- Lowrance (\*.XTF or \*.SL2 or \*.SL3) \*Note1
- Marine Sonic (\*.MST, \*.SDS)
- MCM Sensor HD (\*.H5)
- Proteus (\*.DAT)
- QMips (\*.DAT, \*.QMP)
- QPS (\*.QPD, \*.DB)
- R2Sonic (\*.R2S, \*.XTF); (\*.HSX\_R2S via Hypack)
- RESON w Snippets or backscatter (\*.S7K)
- Seabeam 2100 (\*.MB41)
- Sonardyne Solstice (\*.SWF8)
- SwathPlus Raw/Processed (\*.SXR, \*.SXP)
- Swedish Geo Survey (\*.SEG, \*.SGY)
- Tritech older Starfish (\*.V4Log, \*.LogDoc, \*.XTF)

### Single-beam Import File Types:

- ISA500 - M39 format recorded by HYPACK
- S7K - Teledyne Odom Echotrac E20
- KEB - Knudsen
- MLG - EASYNV variety
- RAW - files recorded by HYPACK
- TXT - recorded format saved by SonarWiz
- XTF - SonarWiz format
- 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); GeoPulse (\*.RAW)
- Humminbird (\*.DAT)
- Innomar SB (\*.SES, \*.SES3)
- Klein 3000 (\*.SDF, \*.XTF)
- Knudsen KEB (\*.KEB) incl. D0-D3 and B9 formats
- Kongsberg (\*.RAW) incl EA400, Topas 3
- Lowrance (\*.SL2, \*.SL3) \*Note1
- Mala GPR (\*.RAD)
- Proteus (\*.DAT)
- SEG-Y (\*.SEGV2, \*.SEG, \*.SGY, \*.TRA)
- Specialty Devices SDI (\*.BSS)
- SyQwest ODC (\*.ODC)
- Teledyne Odom (\*.S7K) Echograms
- Tritech (\*.V4Log)

### Bathymetric Import File Formats:

- EdgeTech JSF (\*.JSF)
- ELAC Seabeam (\*.XSE)
- eXtended Triton Format (\*.XTF)
- Generic Sensor Format (\*.GSF)
- GeoAcoustics (\*.RDF, \*.RFF)
- Hydrosweep (\*.S7K)
- 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 Seaview (\*.FLS)
- MB-System (\*.FBT)
- NORBIT iWBMS (\*.XTF, \*.S7K; \*.HSX)
- R2Sonic w TruePix or Snippets (\*.XTF)
- R2Sonic (\*.HSX + \*.R2S via HYPACK)
- RESON with Backscatter or Snippets (\*.S7K)
- RESON (\*.HSX + \*.7K via HYPACK)
- Bathyswath SWATHPLUS (\*.SXI, \*.SXP)
- Sonardyne Solstice (\*.SWF8)
- SonarWiz format (\*.XTF)
- Velodyne VLP-16 / VLP-32 LiDAR (\*.XTF);
- Velodyne VLP-16/ VLP-32 (\*.HSX)
- WASSP multibeam (\*.NWSF, \*.WMBF)
- XYZ format