

Tracker

Feature Description

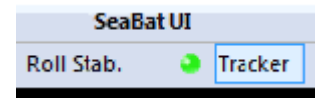


Introduction

Tracker is a completely automated mode of operation where the system sets all primary sonar parameters such as range, power, gain, pulse length and swath width by analyzing the quality of the acoustic signal. Optimization of the settings results in cleaner data and a significantly more user-friendly system.

Tracker Benefits

- Automatic optimization of sonar settings
- Reduced manual interaction
- More user-friendly
- Cleaner data sets
- Reduced processing time and cost

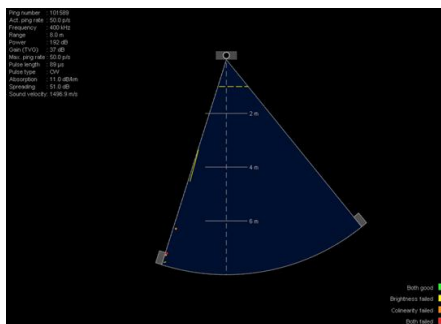


Tracker Engaged

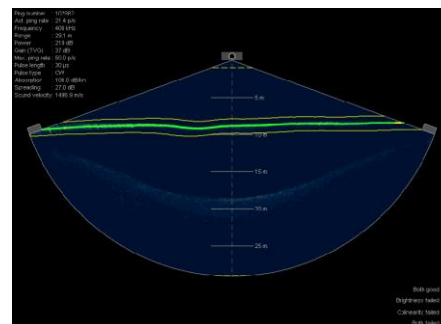
How it Works

Tracker analyses the quality of the acoustic signal and adjusts range, power, gain, pulse length and swath width automatically. **Tracker** will adjust power and gain levels to optimize the quality of outer beams, and open or close the swath angle accordingly, thereby ensuring that maximum swath width is delivered with the highest quality result. Note that a number of improvements have been introduced to **Tracker** since its original release in Features Pack 3.

- The surveyor may set a desired swath width and **Tracker** will maintain it as depth varies. This allows constant line spacing to be planned independently of depth.
- **Tracker** now fully supports tilted head and dual head setups.
- It is now possible to disable **Tracker** control of certain settings for users who wish to remain in control of them.



System Set to Randomized Settings



Tracker Optimally Setting the Swath

Upgrade Information

Tracker with the improvements listed above is available for the new SeaBat Series and from Feature Pack 4 (FP4). A software and firmware upgrade is required to applicable existing systems. Please contact your local RESON representative or support@reson.com for further information.

Tracker Compatible Systems
SeaBat Series
SeaBat 7125-SV2
SeaBat 7125-ROV2