Universal Encoder 2 & SourceLink Software

FOR ALL SEISMIC ACQUISITION

Crew Operating Modes:

The combination of the Universal Encoder 2 (UE2) and SourceLink provide a powerful tool for every crew.

Autonomous Mode - Operating without radios frees the source units to operate independently. This optimizes the acquisition process for the latest nodal systems.

- No Radios
- No Limits

Standard Mode - Using a single radio channel, also called legacy mode, this is the typical crew's standard method of operating.

- Real Time QC PSS
- Real Time Data Evaluation

Massive Mode - Isolating each source fleet on an separate radio channels reduces collisions and interference, increasing the crew's production and efficiency.

- Better Productivity
- Suitable for large crews & projects

Supported Source Types:

The Seismic Source field system helps the crew easily switch between source groups and source types.

Vibroseis - The Force 3 Vibrator Controller works with any vibrator, extracting the best performance from it.

- Mini-Vibs
- Standard Production Vibrator
- Low-Frequency Vibrators

Dynamite - The Boom Box 3 is the industry standard for the safe and efficient use of explosives in exploration.

- Standard Electric Blasting Caps
- Electronic Blasting Caps
- Digital Blasting Caps

Mechanical Impulse - The Remote Trigger Module 3 works with everything from simple sledge hammers to large accelerated weights, capturing the moment of impact with precision and accuracy.

- AWD (Accelerated Weight-Drop)
- EWG (Elastic Wave Generator)
- BFM (Big Falling Mass)

SourceLink Software Main Screen

UE2

RTM3

F3

BB3

SSR3

Seismic Source Co
Acquisition Solutions

Universal Encoder 2

Supported Vibrator Modes -
- Conventional Linear and Boosted Sweeps
- Slip Sweep (Shell)
- HFVS (ExxonMobil)
- ZenSeis (ConocoPhillips)
- ISS and DSSS (BP)
- Variable Slip as a Function of Distance
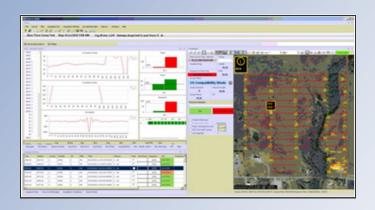- Interleaved (Flip-Flop) Sweeps

UE2 Features -
- Starts Force II and Force III Vibe Decoders
- Fires Boom Box and Boom Box III Blasters
- Processes Trigger Signals from Remote
    Trigger Modules (RTM) and
    Wireless Trigger Boxes (WTB)
- Compatible with many INOVA™ units

UE2 Specifications -
- 64 sweeps (standard, custom or linked)
- Supports 255 Source Groups
- Supports 255 Source Units
- 24-bit Digital Reference
- ¼ mSec sample rate
- GPS Timing
- Available Meshed Radio Network
- Built-In 1000 Mbit Ethernet
- Built-In 8 Gigabytes of Flash Memory

SourceLink Software

Software Features -
- Full source and receiver integration
- Provides Universal Encoder II
    configuration and control
- Standardize the overall "Look and Feel"
    across field crews
- Easy to learn and easy to use graphical
    interface featuring MS Windows tiles

Source Support Features -
- Supports Stakeless Source Operation
- Displays Source Point Locations on Map
- Tracks Source Units
- Supports a total of 255 Source Units
- Supports 255 Groups of Sources
- Selects and Fires Source Units
- Displays Real-Time Source Location
    and Operational Status
- Displays "Post Sweep Service" (PSS) Data
- Displays "Post Fire Service" (PFS) Data
- Generates Crew Performance Reports

Receiver Support Features -
- Displays Node Locations on Map
- Reads Node Deployment Information
- Generates Receiver Spread
- Relays Spread Status and Errors
- Outputs Observer's Log at End of Day