BOOM BOX 3

New Generation Seismic Blaster System

Autonomous Mode

- ✓ **No Radios**
- ✓ **No Repeaters**
- ✓ **No Problem!**

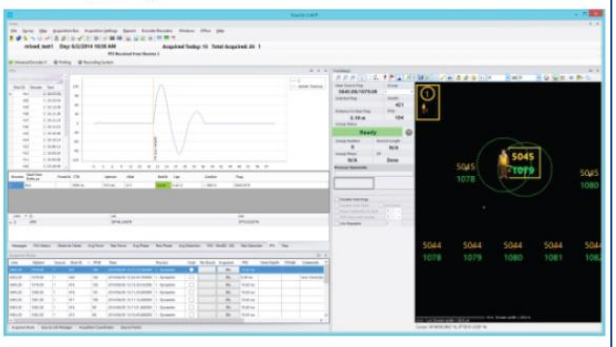
The Boom Box 3 is a New Generation of Seismic Blasters. These units can use GPS timing synchronization for the firing of the shots. This allows the shooters to shoot in Autonomous mode without any VHF Radio communication with the Central Recording System. Individual "Time Slots" are allocated to prevent multiple shooters from firing at the same time. All of the shot information is saved on a non-volatile CF card for later download and analysis.

A built in Wi-Fi unit allows all of the data to be viewed and saved on a small notepad tablet or even a cell phone. This allows critical redundant storage of the shot time (micro second accuracy), up-hole times, and GPS position of the shot. The Boom Box 3 Autonomous unit includes a standard Boom Box 3 plus a removable battery pack with built in GPS and an additional "Safety" fire button. This package provides a complete, compact, light-weight and rugged blaster unit.

An Integrated System

The Boom Box 3 system is a complete integrated solution for seismic exploration. In Autonomous mode, the SourceLink software allows for all of the daily pre-planned shots to be uploaded to the Boom Box 3 Units. The Boom Box 3 will then only fire the allowed shots; this prevents the shooter from firing shots that are not part of the active patch. The navigation option and near flag detection of the notepad or cellphone software allows the shooter to easily find the shot hole and select the correct source flag.

At the end of the day, all of the shot information from all the shooters can be uploaded to the SourceLink software for complete production reports and analysis. SourceLink also generates the shot time and location files that are required to process the seismic data on the new generation of seismic recording systems. The list of supported recording systems includes the iSeis Sigma, Fairfield Nodes, Geospace GSR and Sercel Unite.



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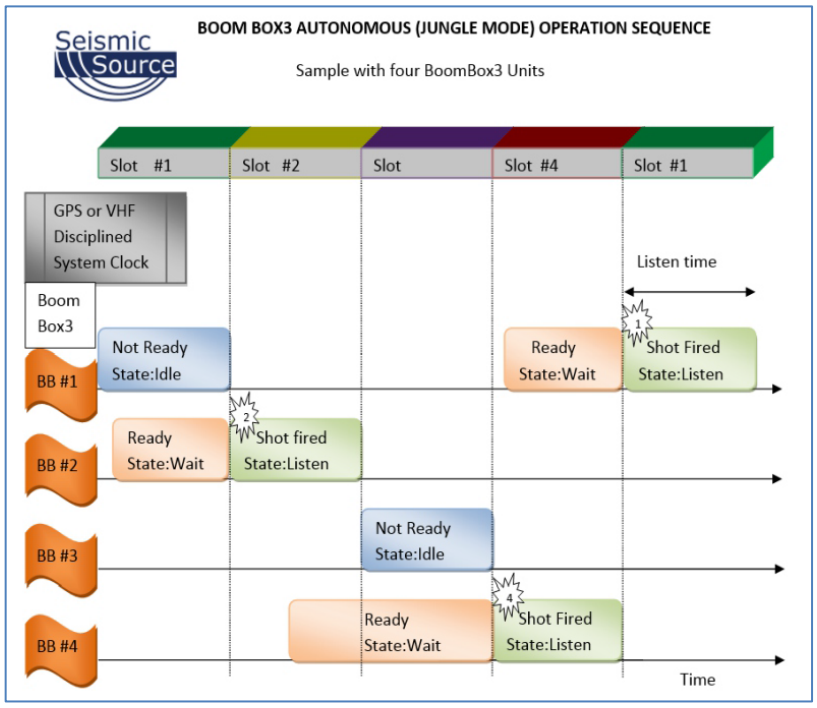
Legacy Mode

- ✓ **Compatible with Standard Radios**
- ✓ **Compatible with Standard Timing**
- ✓ **Compatible with Standard Crews**

The Boom Box 3 can also be used in Legacy Mode with conventional VHF radios. In this mode, the Boom Box 3 is compatible with the previous generation of blasters like the Boom Box Unit. The central recording system controls all the shooters via VHF radio link. Start Messages, Ready Messages, and Shot Quality Control (PFS) messages are all sent via the VHF radio link. The up hole data, GPS position, and accurate GPS shot times are acquired "real time" on the central computer. The new Boom Box 3 blasters can be used on the same crew with the older Boom Box Blasters without any compatibility issues.

The Boom Box 3 has many improvements over the previous generation of blasters. Three channel 32 Bit up-hole recording, automatic zero time , GPS synchronized shots, 8GB of nonvolatile memory and Wi-Fi HTML support are just a few of the new features.

Hyper-Productivity solutions from Seismic Source



Boom Box Specification

Physical	
Number of Data Channels	3
Temperature	40°C to +60°C
Humidity	0 to 99%
Size	12.0" x 5.6" x 3" (305 x 144 x 76 mm)
Weight	3.1 lbs (1.4 kg)
Data Storage (Internal 8GB CF)	480 hours (3channels @ 2ms)
LEDs	Status / GPS / High voltage

Electrical	
Firing Voltage	400 Volts
Firing Current	> 200A (0.5 Ohm Load)-
Firing Accuracy (radio)	± 20 microseconds
Firing Accuracy (GPS)	± 1 microseconds
Sample Rates	0.25, 0.5, 1, or 2 ms user selectable
Charge Time	Wide Temperature Operation
Operating Voltage	< 1 Second