

Converting from SEG-2 to SEG-Y using SPW

Parallel Geoscience SPW version 2.2.17

<http://www.parallelgeo.com/?x=download&dir=spw2/docs>

In order to convert from SEG 2 to SEG-Y, you will need to use software from Parallel Geoscience called SPW. If it is not already installed, you can get it from their website:

<http://www.parallelgeo.com/?x=download&dir=spw2/currentrelease>

You will also need the Sentinel software driver (installer can be found under "licensing" on Parallel Geoscience's website).

The SPW USB key acts as the license key for SPW so you need to have it plugged into the computer when you run SPW. The Sentinel software driver will read the license key from the dongle and allow SPW to function fully.

After you open SPW:

1. Open the I/O utility by clicking on the I/O icon.
2. In the console window that opens, select "Data Reformat". A "Reformat Window" will open.
3. Under "Select Input Device" change the data type to SEG 2. Then select "Disk File" and navigate to the folder where your data is stored. Select the first .dat file.
4. Under "Select Input Device", select "Parameters". In the "SEG 2 Input" window that opens, you can input your data parameters (Trace length, sample interval, etc.). By default, the box for "Multiple input files" is checked. This will automatically take every file in the folder with your selected input file and convert it into a single SEG-Y gather. If, for example, you want to create separate gathers for different shots, you will need to sort the SEG 2 files into separate folders for each shot so that when the files are converted to SEG-Y, the output file only includes the desired traces.
5. Under "Select Output Device", change the data type to SEG-Y. Select "Disk File", navigate to the folder where you want to store your SEG-Y data, and name the output file.
6. Click on "Execute". When the conversion is done, the message in the console window will say "Complete".

Repeat these steps to create all of the SEG-Y gathers that you need.