UltraWave: Saving multiple arb's to Nonvolatile memory

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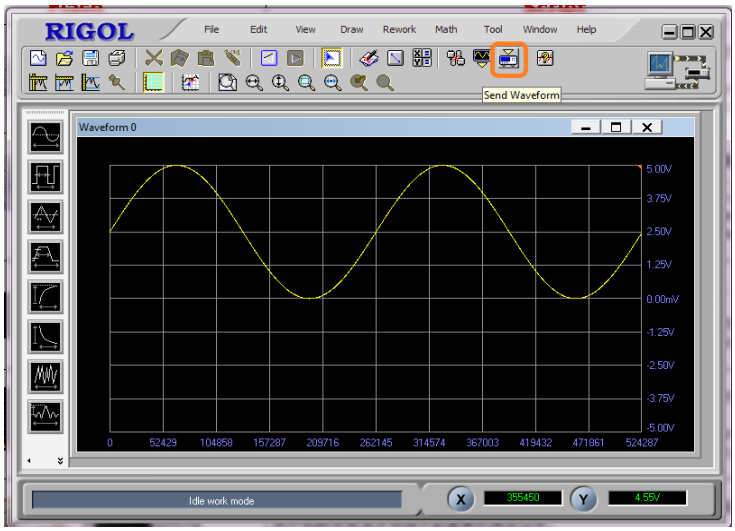
Solution: There is a known bug with UltraWave. Namely, files are corrupted if not sent to the instrument volatile storage as a first step.

Here is a work-around.

To create and store a file:

1. Create the arbitrary waveform of interest in UltraWave.
2. Save the file to the instrument (DG1000, DG2000, DG3000) volatile memory

    - Press Send Waveform



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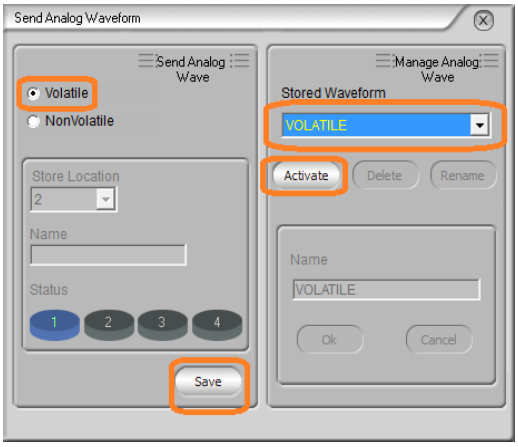
- Select Volatile
- Press Save
- After the progress bar has stopped, select Volatile from the Store Waveform drop-down
- Press Activate



- To check, go to the instrument and ensure that ARB function has lit. Also check to see if the ARB waveform matches the expected shape.

3. Press Local to release instrument from remote control

4. Insert USB memory stick into front panel of instrument

5. Press Store/Recall > Disk to highlight Udisk (USB memory stick)

6. Press Type > Data to select the arbitrary waveform data type. These files terminate in .RDF

7. Press Store and use the rotary knob to highlight individual characters or numbers for the file name

8. Press Select to enter each character or number

9. When you have finished entering the name of the file, press Store

10. Repeat for all files necessary. The volatile file will be overwritten each time you press Activate as in step 2 above.

To run a saved file:

To run a file, you must move it from nonvolatile (Udisk) to volatile.

1. Insert USB stick into front USB port on the instrument

2. Press Store/Recall

3. Press Disk to highlight Udisk

4. Press Type and select Data. This will filter all of the avaiable files and show the arbitrary waveforms. These files terminate in RDF

5. Use the scroll wheel to select the file of interest

6. Press Recall to bring the nonvolatile file into volatile memory

7. Press Arb to enable the volatile waveform

8. You can now edit the amplitude, frequency, and other characteristics of the output