Keysight 33600A Function Generator SOP

The Keysight 33600A Function Generator is used to generate various waveforms such as square, triangle, and sine waves for use in testing electric circuits.
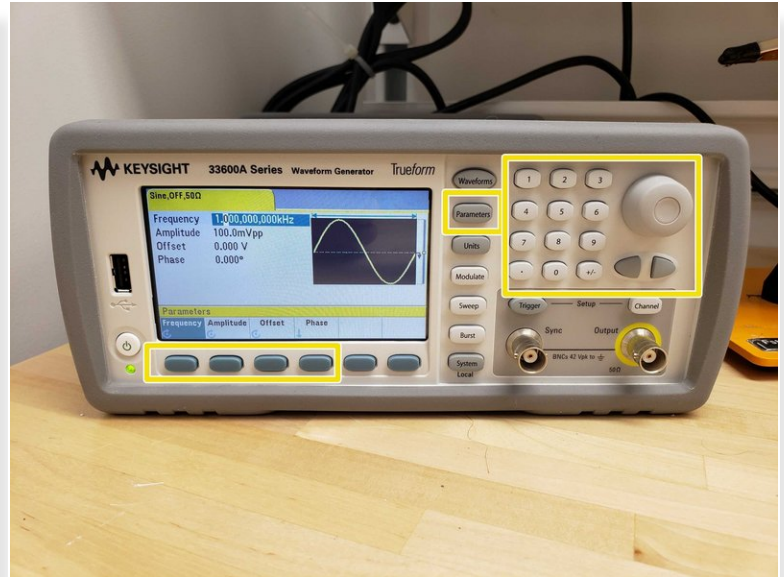
Written By: Cosimos Sivan Cendo

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Step 1 — Power on

- The power button is located on the front of the machine in the bottom left corner.

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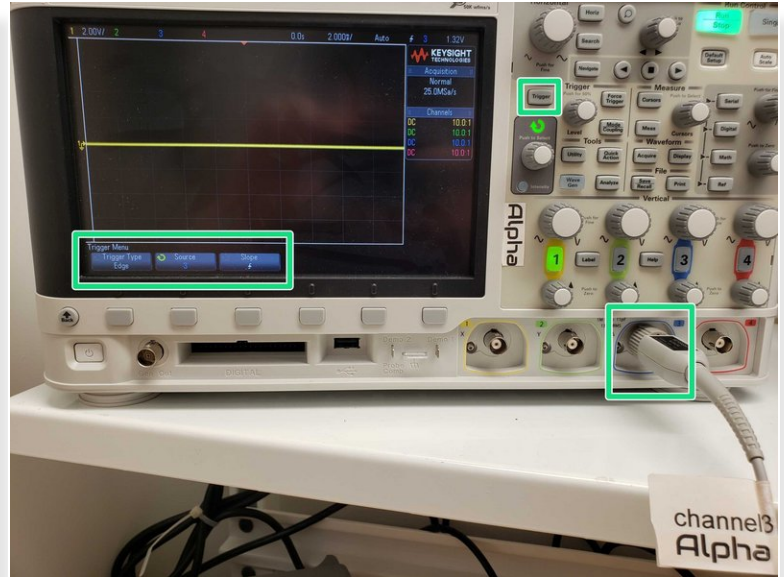Page 2 of 9

Step 2 — Connecting the probes

- The Keysight function generators use probes with BNC connectors.

- Line up the side notches on the machine's plug with the gaps on the probe's plug.

- Push all the way in and twist to the right.

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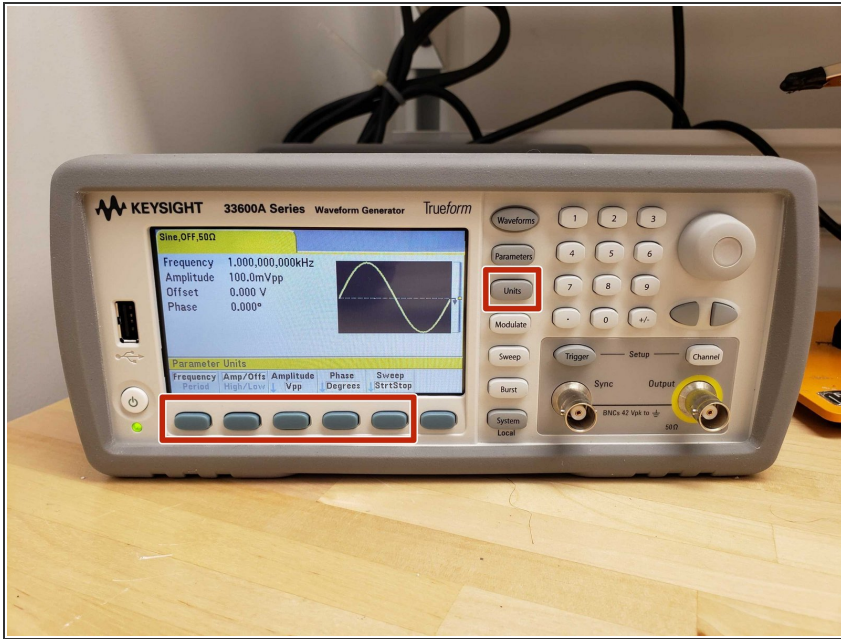
Step 3 — Setting the waveform

- *Waveform* will let you choose which waveform you want: sine, square, triangle, etc.
  - *More* will show more options.

- *Parameters* will let you change the waveform's frequency, amplitude, offset, and phase with the keypad or scroll wheel.

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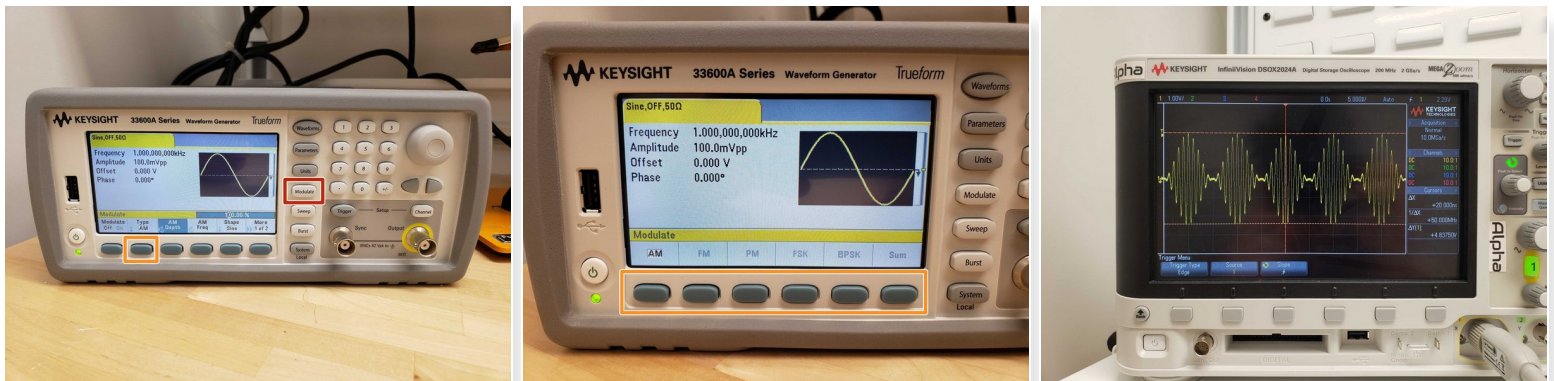Page 4 of 9

Step 4 — Trigger

- Triggering make measuring the function generator's output more convenient.

- The output labelled *Trigger* will output a trigger signal for use by an oscilloscope.

- Plug a probe into the trigger output and measure it with a probe from the oscilloscope.

- Set the oscilloscope to trigger off that probe.

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Step 5 — Units

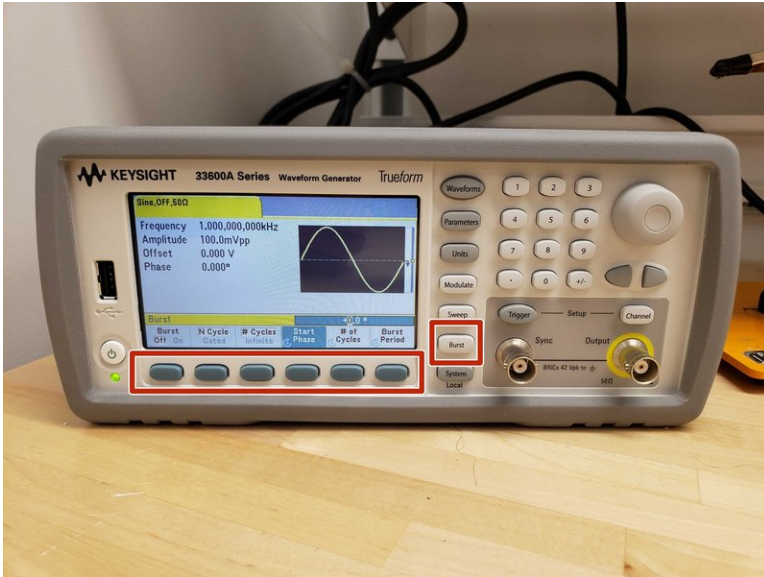- *Units* will let you change the units the machine uses.

Step 6 — Modulate

- *Modulate* allows you to module the output signal.

- Options include amplitude modulation (AM), frequency modulation (FM), and various others.

- Shown on the oscilloscope is an AM signal from the function generator.

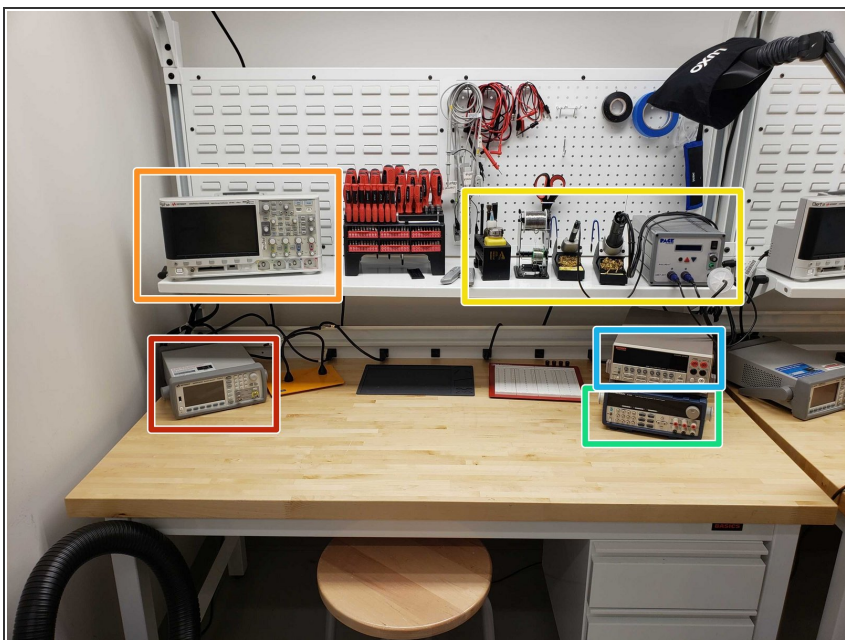This document was generated on 2022-07-21 06:02:02 AM (MST).

Step 7 — Sweep

- *Sweep* allows you to sweep AC frequencies.

- The bottom buttons allow you to change certain parameters.

- Shown in the video is a linear sweep from 10Hz to 10kHz.

Step 8 — Burst

- *Burst* allows you to send pulses at regular intervals.

- It will send whatever waveform you have selected.

- You can change how many pulses get sent and how much time elapses between each pulse.

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Page 8 of 9

Step 9 — Conclusion

- You are now well equipped to use the Keysight 33600A function generator!

- See these other guides:
  - [Keysight oscilloscope.](#)
  - [PACE soldering station.](#)
  - [BK Precision DC power supply.](#)
  - [Keithley benchtop multimeter.](#)

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