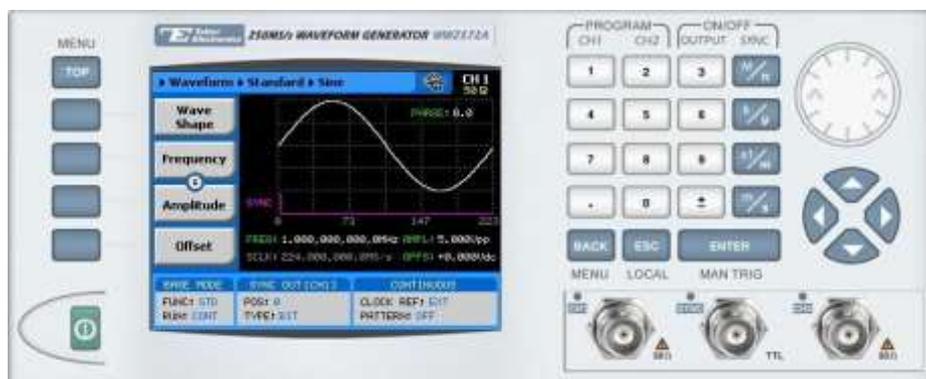


## How to Simply Generate a Standard Waveform

You can use the Tabor Electronics Arbitrary Waveform Generator (AWG) front panel to create a wide variety of standard waveforms. The AWG supports the following wave shapes:

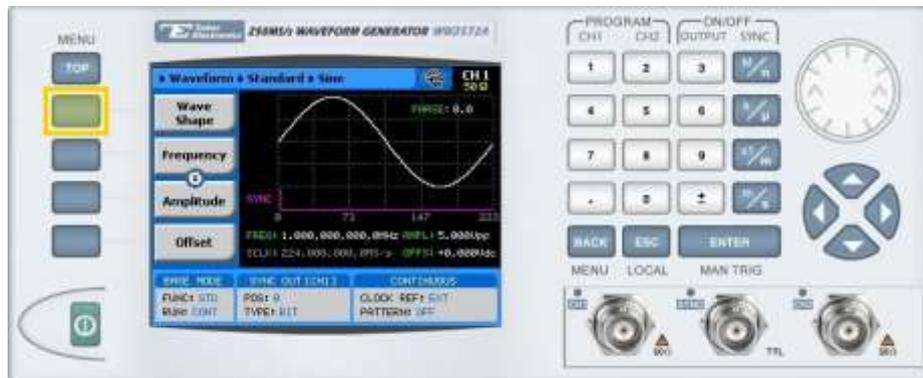
- ◆ Sine
- ◆ Triangle
- ◆ Square
- ◆ Ramp (or sawtooth)
- ◆ Sinc (or cardinal sine)
- ◆ Gaussian distribution (bell curve)
- ◆ Exponential
- ◆ Direct Current (DC)
- ◆ Noise

Once a wave shape is chosen, the AWG allows you to configure additional waveform parameters. The front panel of the AWG is depicted below.

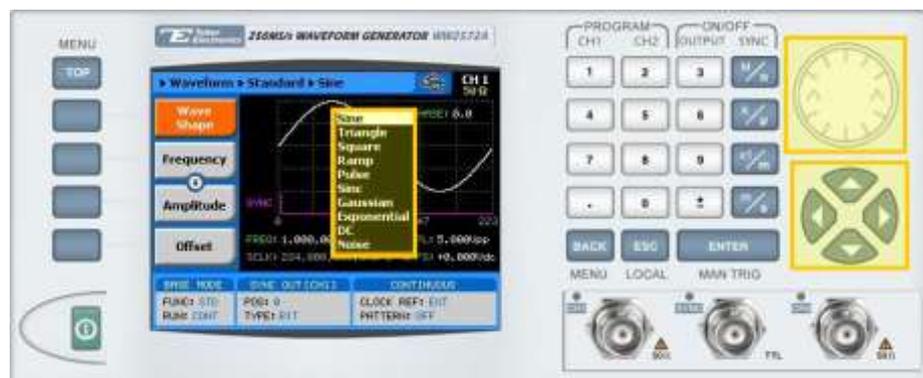


➔ To generate a standard waveform using the front panel:

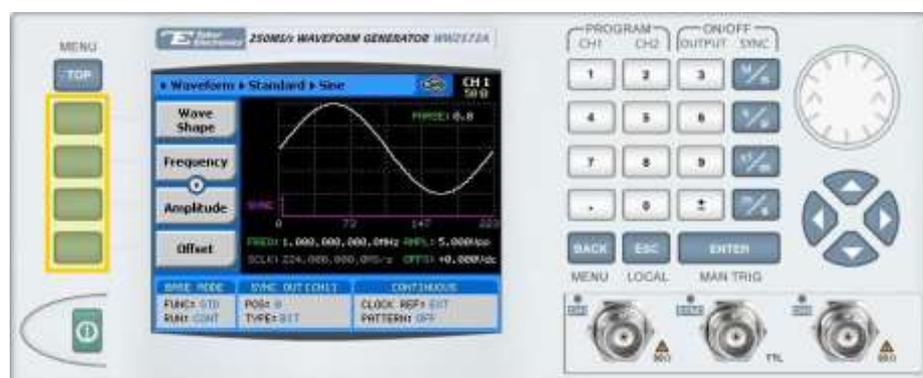
1. Press the **Wave Shape** menu button.



2. Select one of the wave shapes from the list box using the dial or the cursor keys, and press **ENTER**.



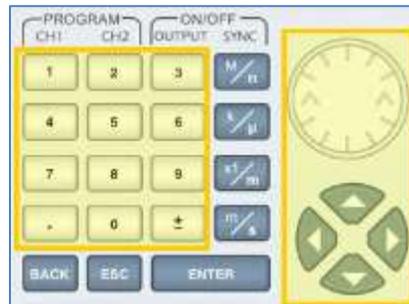
3. Now that you have selected a wave shape, you can press the menu buttons on the left-hand side of the panel to select additional waveform attributes for modification (the exact list of attributes is dependent on the wave shape selected):



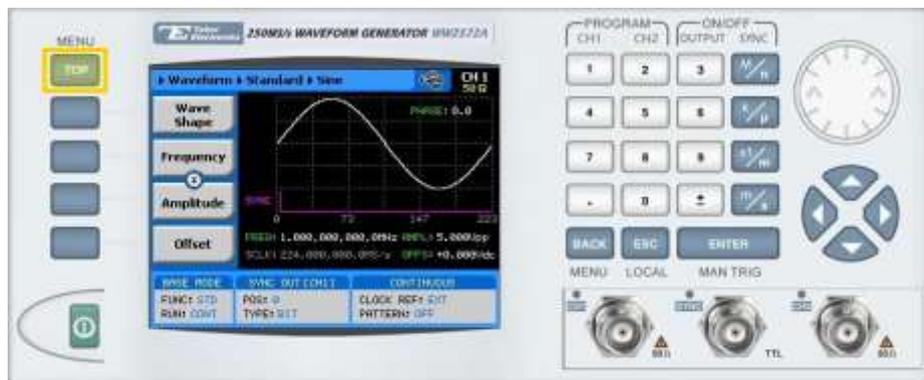
#### TIP

Whenever the  icon is displayed there are more attribute menu buttons to be shown below. Simply scroll down using the dial or cursor key.

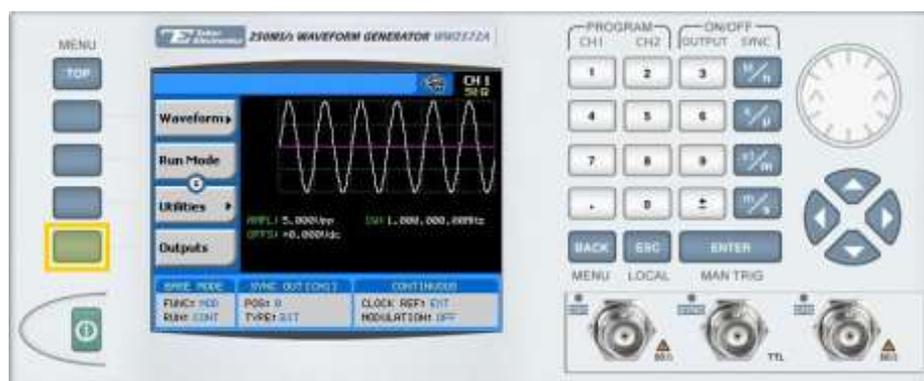
- After selecting a numeric attribute for modification, modify the displayed value either by using the dial or the cursor keys, or by entering the value using the numeric keypad and suffix key. Press **ENTER** to save the modified parameter value.



- Press the **TOP** menu button to return to the main menu.



- Press the **Outputs** menu button to configure the output settings.



- Define the channels in the **Outputs** section as being **ON** or **OFF**, modifying the settings using the dial or the cursor keys:
  - To scroll between the fields, use the cursor keys.

- To edit a field, select the field, and press **ENTER**. Use the keypad to enter the chosen value.
- To toggle between **ON** and **OFF**, select the field and press **ENTER**. Use the cursor keys to choose the selected option.
- Press **ENTER** again to exit the edit mode, and save the value.

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**NOTE**

The **Filter** field is disabled when generating a Sine waveform, as the filter is chosen automatically by the instrument.

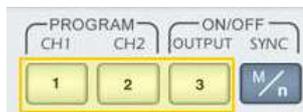
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**TIP**

You can quickly modify the output settings by selecting CH1 or CH2 on the keypad, and toggling the OUTPUT key to turn the channel on or off.



## For More Information

To learn more about Tabor's solutions or to schedule a demo, please contact your local Tabor representative or email your request to [info@tabor.co.il](mailto:info@tabor.co.il). More information can be found at our website at [www.taborelec.com](http://www.taborelec.com)

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