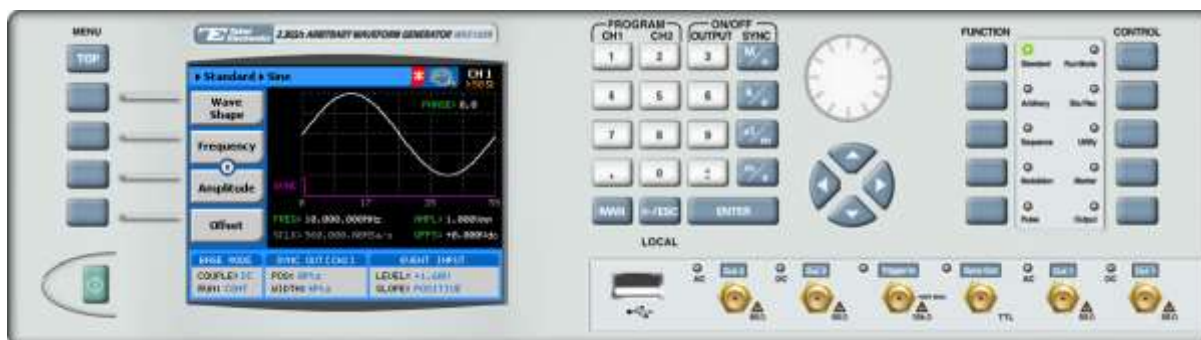# How to Simply Generate a Standard Waveform

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 **Standard** button in the function menu.

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

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

4. 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.

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5. After selecting the 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.

6. Press the **Output** button in the control menu to configure the output settings.

7. Define the channels in the **Output** section as being ON or OFF, modifying the settings using the dial or the cursor keys.

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.

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8. Select the output path of the channels in the **Output Couple** section, modifying the settings using the dial or the cursor keys.

- DC (2Vp-p into 50 Ω DC coupled)

- HV (High-Voltage 4Vp-p into 50 Ω DC coupled)

- AC (-20 to +10 dBm into 50 Ω AC coupled)

Press **ENTER** to save the output settings.

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. More information can be found at our website at www.taborelec.com

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