Eight easy steps to learn the basics!

1. Connect the Power Cord. Then plug in the instrument.
2. Connect an Output (Optional). Connect a BNC cable to the Output connector. Then connect the cable to your test system or oscilloscope.
3. Turn the Power Switch to the On position. The green ON/OFF indicator lights up.
4. The Lighted keys indicate active keys or functions such as the currently active waveform (for example, sine wave). Most keys toggle on (lighted) or off.
5. To select a waveform, press the [Waveform] key and select the desired waveform.
6. The State Storage Menu key toggles between Graph Mode (lighted) and Menu Mode.
7. The Hexadecimal menu allows you to select parameter values and functions. To change a parameter, position the cursor on the desired parameter. For example, position the cursor on the [Freq] parameter. The parameter value is displayed. To change the value, press the [Freq] key.
8. You can specify a signal by its amplitude and offset, or by setting its [Hi Level] and [Lo Level] values. See Chapter 1 in the User's Guide for further information.
9. The modulation, sweep, or burst feature can be used in conjunction with several waveform types. For example, press the [Modulation] key for a square wave. Both keys remain lighted, while the last key pressed determines which menu is displayed.

Some Helpful Hints:
- Lighted keys indicate active keys or functions such as the currently active waveform (for example, sine wave). Most keys toggle on (lighted) or off.
- To select a waveform, press the [Waveform] key and select the desired waveform.
- The State Storage Menu key toggles between Graph Mode (lighted) and Menu Mode.
- In Graph Mode, the softkeys work just as in Menu Mode, except that only one label is displayed for each key. You can still toggle between related parameters such as [Freq] and [Period].
- You can specify a signal by its amplitude and offset, or by setting its [Hi Level] and [Lo Level] values. See Chapter 1 in the User's Guide for further information.
- The modulation, sweep, or burst feature can be used in conjunction with several waveform types. For example, press the [Modulation] key for a square wave. Both keys remain lighted, while the last key pressed determines which menu is displayed.
- The Agilent 33210A provides a choice of GPIB, USB, or LAN connection to your PC. See "Remote Interface Configuration" in Chapter 3 of the User's Guide for further information.

Quick Start Tutorial

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Some Helpful Hints:

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- The modulation, sweep, or burst feature can be used in conjunction with several waveform types. For example, press the [Modulation] key for a square wave. Both keys remain lighted, while the last key pressed determines which menu is displayed.
- The Agilent 33210A provides a choice of GPIB, USB, or LAN connection to your PC. See "Remote Interface Configuration" in Chapter 3 of the User's Guide for further information.
3. Turn On
Press the On/Off Switch:
The self test takes a few seconds, and then the instrument defaults to Menu Mode with the sine wave function selected.

Note: To protect your equipment, no signal is output until the key is pressed (lighted).

2. Turn On
To select a waveform, press the appropriate key. For example, press the key to select a square wave. Try it!

The square wave menu is displayed:

3. Select a Waveform
Use the six softkeys to select parameters. Some softkeys toggle between related parameters (for example: Freq and Period).

For example, press the Ampl softkey to select amplitude:

4. Change Waveform Parameters (Knob)
Now let's change the value using the knob. First, use the cursor keys ( ) to select the digit. Try it:

Now, use the knob to change the value. Some parameters increase 
(see the right of the display).

5. Change Waveform Parameters (Keypad)
Now, press the Offset softkey to select offset:

Use the knob to set the offset to -1.1 Vdc:
You need to go left past zero for a negative value. Use the cursor keys to select digits.

Press the keypad. The display changes. For example, enter 1.5:
Press the softkey for the desired unit (for example, msec) to enter the value.

6. Select Graph Mode
Now let's change the duty cycle. First press the Dty Cyc softkey:
Use either the knob or the keypad to change the value to 35%:

7. Output the Waveform
You can view the waveform at any time on an oscilloscope if one is connected. Press to activate the Output connector.

Go to Step 5 at Far Left, Below.

Press the key to activate the Output connector.

8. For Further Information
Refer to the following for further information:
1. The other side of this card:
   - "The Front Panel at a Glance" 
   - "Some Helpful Hints"
2. The Agilent 33210A built-in Help:
   - Press and hold any key for context-sensitive help on that key.
   - Press for the Help Menu.

Another Way to Set Signal Levels
You can also specify a signal by setting its Hi Level (maximum) and Lo Level (minimum). (See Chapter 1 in the User's Guide.)

Tip
Go to Step 4 at Right.