



APEX WAVES VB-8034 NI VirtualBench All In One Instrument User Guide

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APEX WAVES VB-8034 NI VirtualBench All In One Instrument



VirtualBench™ All-In-One Instrument

The VirtualBench is an all-in-one instrument that combines a mixed-signal oscilloscope, function generator, digital multimeter, programmable DC power supply, and digital I/O. It can be controlled through an iPad app or Windows software.

Contents:

- VirtualBench
- 4 Oscilloscope Probe Kits
- Power Cable
- USB Cable
- DMM Probes
- Antenna
- Screwdriver
- Digital I/O Connector
- Logic Analyzer Flying Leads
- Documentation

Caution: Before installing your device, read all product documentation to ensure compliance with safety, EMC, and environmental regulations.

Product Usage Instructions

1. Connect the power cable and antenna to the VirtualBench.

2. Install the VirtualBench app on your iPad or Windows software on your computer.
3. Open the app or software.
4. Follow the on-screen instructions to control the VirtualBench.

For more information:

- Getting Started: ni.com/virtualbench/getting-started
- Help: ni.com/virtualbench/help
- Specifications: ni.com/virtualbench/datasheet
- Windows Software: ni.com/virtualbench/download-windows
- iPad App: ni.com/virtualbench/download-ipad
- Services and Support: ni.com/services
- VirtualBench: ni.com/virtualbench

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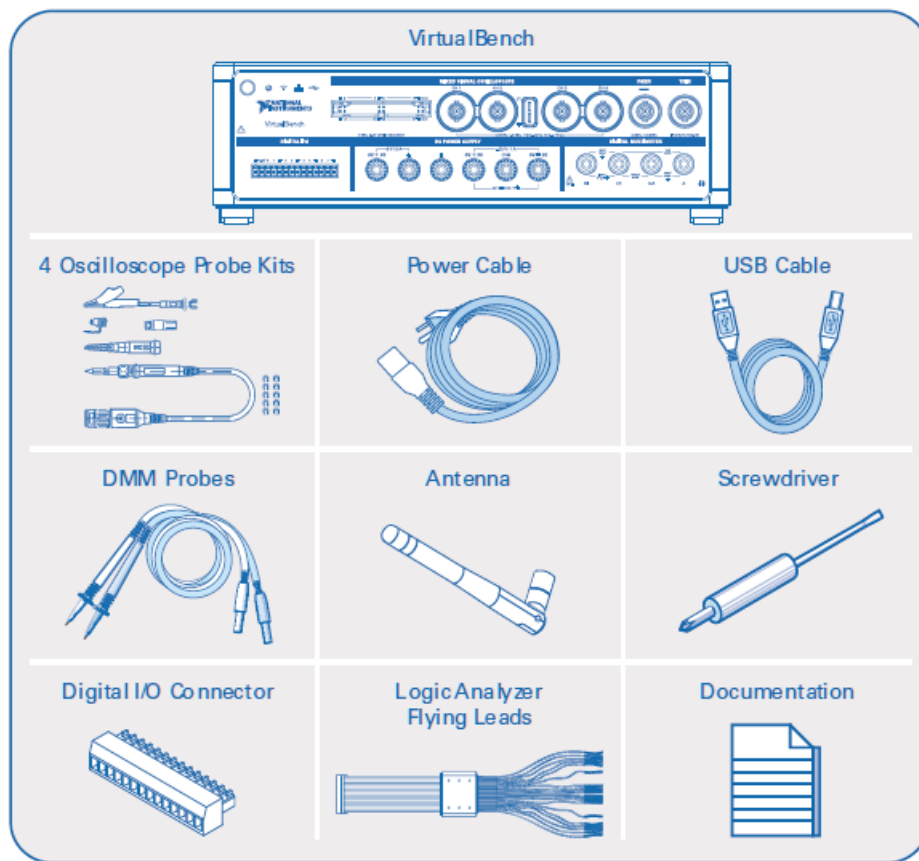
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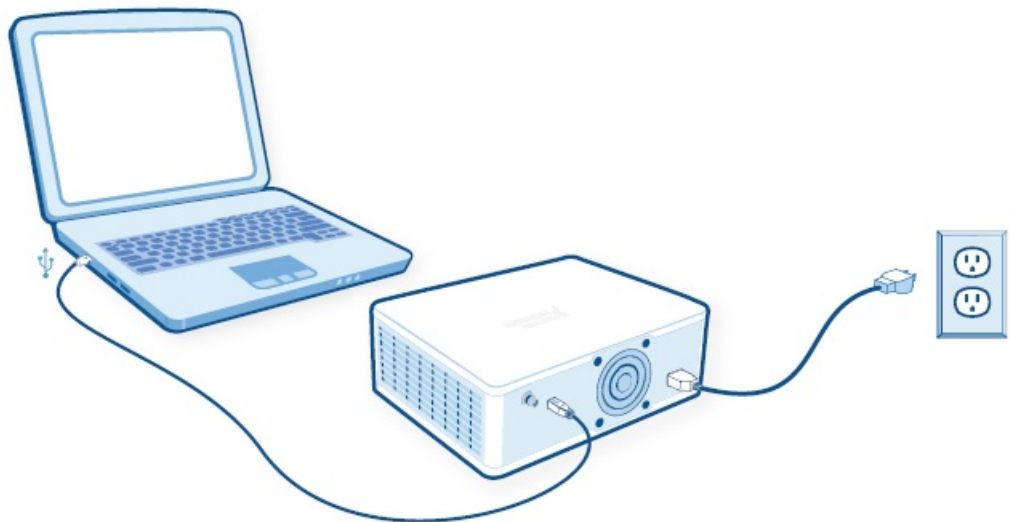
Caution Before installing your device, read all product documentation to ensure compliance with safety to ensure compliance with safety, EMC, and environmental regulations.

Content



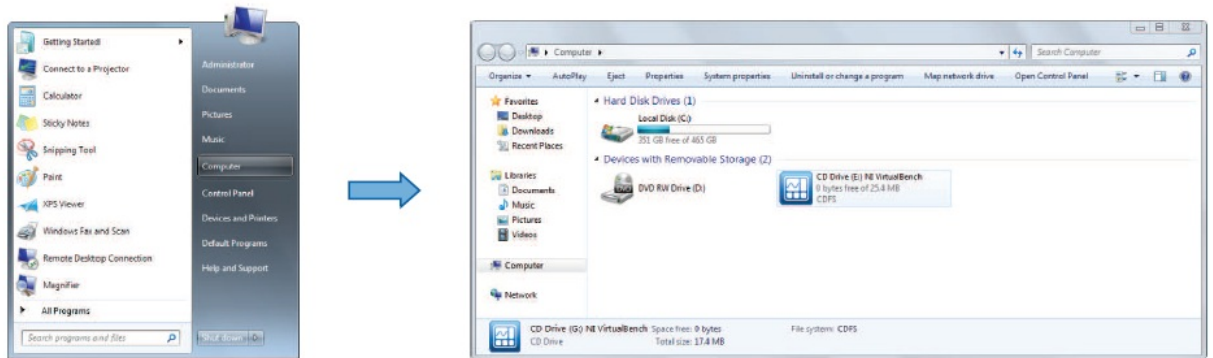
Assembly

1



Connect the power cable. Then connect the Virtual Bench to a USB port on your computer.

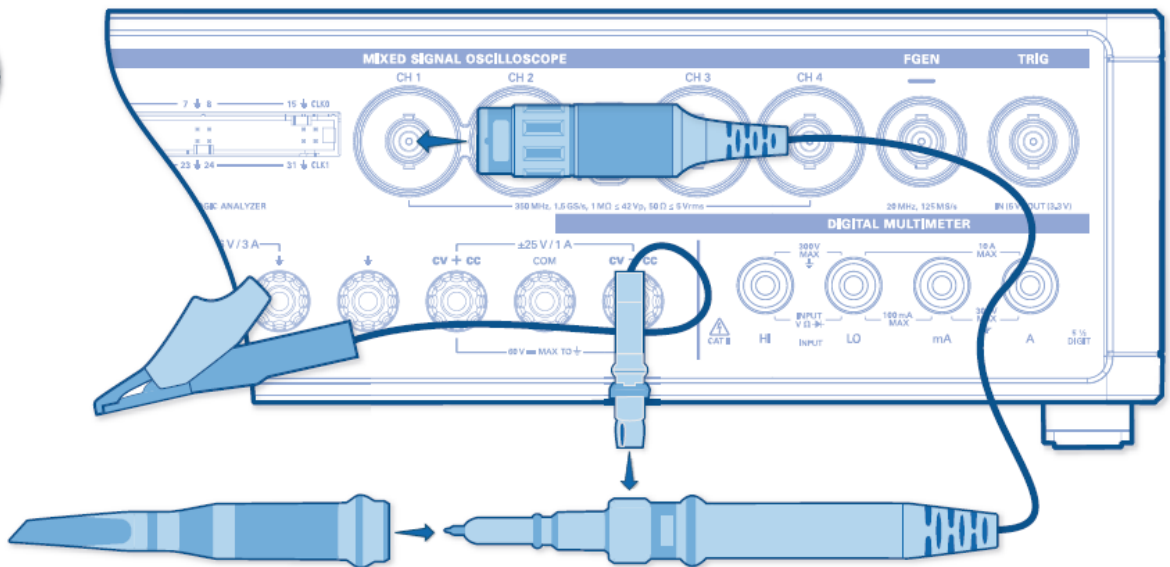
2



Navigate to Computer (or This PC) and double-click NI VirtualBench. Run [VirtualBenchLauncher.exe](#).

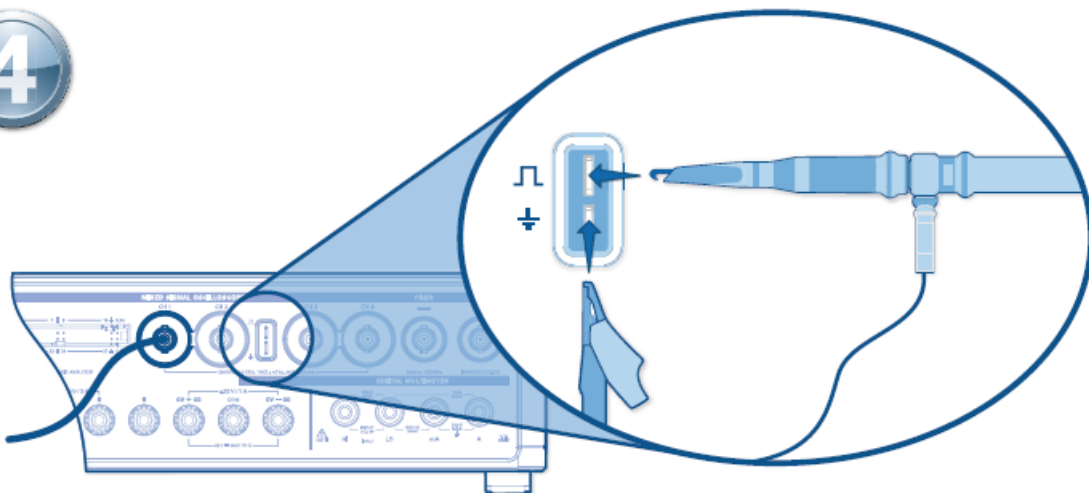
Note: If Windows AutoPlay is enabled, the VirtualBench application automatically runs.

3

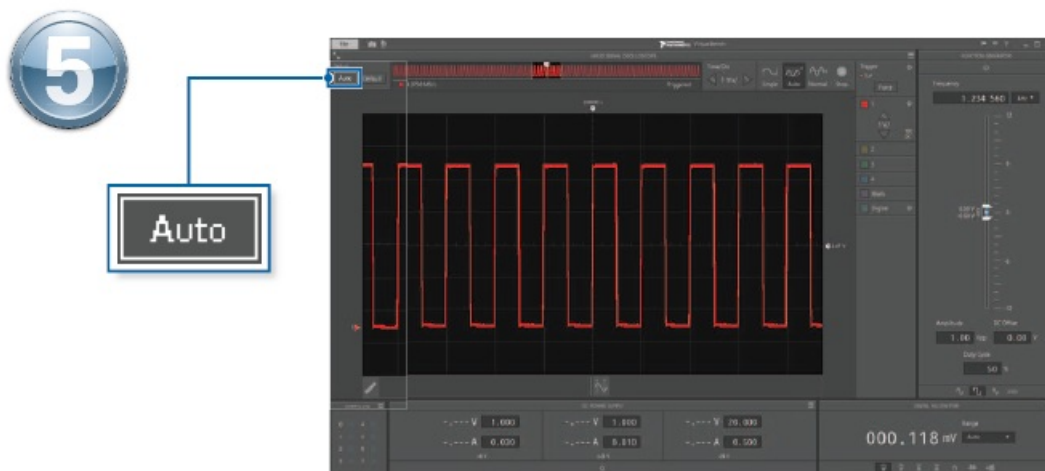


Attach the hook tip and ground lead to the oscilloscope probe. Then connect the probe to CH 1.

4



Connect the probe hook tip to the tab and the ground lead to the tab.



Click Auto to configure the oscilloscope for visualizing the 5 V, 1 kHz square wave generated the probe compensation tabs.

Using the iPad App

Connect the power cable and antenna to the VirtualBench. Install and open the app, then follow the on-screen instructions.

Useful Links

- Getting Started
ni.com/virtualbench/getting-started
- Help
ni.com/virtualbench/help
- Specifications
ni.com/virtualbench/datasheet
- Windows Software
ni.com/virtualbench/download-windows
- iPad App
ni.com/virtualbench/download-ipad
- Services and Support
ni.com/services

ni.com/virtualbench

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Documents / Resources

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References

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- [NI National Instruments Patents - NI](#)
- [NI Services - NI](#)
- [NI Trademarks and Logo Guidelines - NI](#)
- [NI What Is VirtualBench? - NI](#)
- [NI Search Results - NI](#)
- [NI VirtualBench on the App Store](#)
- [ni.com/virtualbench/download-windows](#)
- [NI Product Documentation - NI](#)
- [AW VB-8054 National Instruments VirtualBench All-in-One Instrument | Apex Waves](#)