

Getting started with the Picoscope 2204A from [Pico Technology](https://www.picotech.com)

(Notes compiled by JE 19 Aug 2020; updated 12 Oct 2022)

The Picoscope 2204A module is portable 2-channel oscilloscope + function generator. It connects to your computer (PC or Mac) via USB to visualize signals and generate waveforms. About the same size as a deck of cards, this module is an alternative to benchtop scopes (which are typically much larger and much more expensive, though have much higher maximum sampling rates). Below you will find some helpful notes on getting started with this module. The instructor found this module to be super easy to install (10 min) and to learn its various features (1 hr). On major bonus of this module is that you can save data and figures that can be directly imported into written reports. Hooray! Away we go...

1. Navigate to the <https://www.picotech.com/downloads>
2. Click PicoScope 2000 Series > Picoscope 2204A > Software (see screenshot below)

Product series	PicoScope 2000 Series	PicoScope 2204A	Software
PicoScope 2000 Series >	PicoScope 2204A >	Software >	Resource Release type Size Released
PicoScope 3000 Series >	PicoScope 2205A >	Manuals & brochures >	Windows:
PicoScope 4000 Series >	PicoScope 2205A MSO >		PicoScope 6.14.61 Stable 212 MB Mar 10 2022
PicoScope 5000 Series >	PicoScope 2206B >		PicoLog 6.2.5 Stable 203 MB May 11 2022
PicoScope 6000 Series >	PicoScope 2206B MSO >		PicoSDK (32-bit) Stable 118 MB Mar 10 2022
PicoScope 9000 Series >	PicoScope 2207B >		PicoSDK (64-bit) Stable 123 MB Mar 10 2022
PicoLog Data Loggers >	PicoScope 2207B MSO >		Mac:
PicoSource >	PicoScope 2208B >		PicoScope 7.0.110 Beta 165 MB Oct 06 2022
PicoVNA >	PicoScope 2208B MSO >		PicoSDK 10.7.22 Stable 32 MB Mar 10 2022
Discontinued products >	PicoScope 2405A >		PicoLog 6.2.5 Stable 129 MB May 11 2022

3. Download the appropriate software for your computer:
 - a. Windows/PC: Select the first "stable" option "PicoScope 6.14.61"
 - b. Mac/OsX: Select "PicoScope 7.0.110 Beta (stable in our hands, but may encounter the rare issue). Or you could opt for "stable" option "PicoLog 6.2.5" but it isn't nearly so full features
 - c. All users: install software per usual process.
4. To get you up and running using Picoscope in 10 minutes flat consult:
 - a. [Picoscope 6 Software Beginner's Guide](#) (note you do NOT need the old-school CD to install the software; you already did it via download)
 - b. Chapters 3 and 4 of the [Picoscope 6 User Guide](#) "Using Picoscope for the first time" and "PicoScope and oscilloscope primer". This should get you up and running with basic features in 10 min flat.
5. The [Picoscope 2000 Series datasheet](#) also provides a helpful overview of all features.