



This version (14 Jan 2021 05:16) was **approved** by Robin Getz.
The [Previously approved version](#) (05 Nov 2019 21:59) is available.

AD974X Evaluation Board

The devices share a common PCB with the only difference between the evaluation boards being the DUT that is populated. To operate the board, the user must apply power, a clock source, a digital data source, and be able to observe the DAC output on either a spectrum analyzer or an oscilloscope. A low jitter sine or square wave clock will work well as a source. The evaluation board comes with software which allows the user to program the SPI port. Via the SPI port, the DUT can be programmed into any of its various operating modes.

Documentation and software updates for using High-Speed DAC Evaluation Boards are included in individual, self-extracting update files. Documentation can also be downloaded individually below.

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Files included in the AD974X Update:

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- [DPGDownloader Panel](#)
- [Quick Start Guide](#)
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Download the [AD974x Update](#)

Data Pattern Generator

The Data Pattern Generator (DPG) is a bench-top instrument for driving vectors into high-speed digital-to-analog converters. The DPG connects to a USB on a PC and allows a user to download a vector from the PC into the internal memory of the DPG. Once downloaded, the vector can be played out to an attached evaluation board for a specific DAC at full speed. This allows for rapid evaluation of the DAC with both generic and custom-generated test data.

For more information on the DPG line of pattern generators and software:

- [DAC Software Suite](#)
- [DPG Lite](#)
- [Analysis | Control | Evaluation \(ACE\) Software](#)
- [SDP-H1](#)

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